ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Animal Care Department.

1. REGISTRATION NO. 83

21ROIS

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) Emisphere Technologies, Inc.

765 Old Saw Mill River Road

455 First Avenue

Tarrytown, NY 10591 Status: Active

NOV 03 1999

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

·	•				
REPORT OF ANIMALS USED BY	OR UNDER CONTROL O	F RESEARCH FACILITY	Y (Altach adiditional sheets if n	ecessary or use APHIS FORM 7023A.)	
A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research.	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs			45		45
5. Cats	<i>;</i>				
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs		-			
12. Other Farm Animals				· .	
13. Other Animals			·		
				g. 39 <b>44</b>	
ASSURANCE STATEMENTS					

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 /AUG 911

SIGNATURE OF C.E.O. OR INSTITU

(OCT 88), which is obsolete)

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) Columbia University

Inst. of Comparative Medicine

630 West 168th Street New York, NY 10032

Status: Active

NOV 2 9 1999

±445

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

FACILITY LOCATIONS (Siles) See Attached

A	B. Number of	C Number of	D. Number of animals upon	E. Number of animals upon which teaching,	F.
Animals Covered By The Animal Wellare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs:	which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs	16	101	399	0	500
5. Cats	. 0	0	4	0	4
6. Guinea Pigs	0	142	46	0	188
7. Hamsters	0	0	0	0	0
8. Rabbits	8	101	388	0	489
9. Non-human Primates	5	0	90	0	90
10. Sheep	0	0	38	0	38
11. Pigs	0	0	18	0	18
12. Other Farm Animals					
ROVINE	0	0	29	<u>.                                    </u>	29
13. Other Animals					
	. •				
				۴,	
					1

## ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of ammal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF GAM TITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Try) (b)(6), (b DATE SIGNED //-/8-99

21 R0082 NOV 29 1999

## FACILITY SITES LISTING

Licensee/Registrant Name:	Olimpia Oniversity-Health Sciences praision
License/Registration Number: 21	1-R-0082
	i.
sure to include all requested in	house regulated animals under the above number. Be aformation. If the line does not apply, please mark aree (3) sites copy this form as many times as needed
Site No.: 1 Name/Department:	Institute of Comparative Medicine
Address:	650 West 168th Street
	New York, NY 10032
Building:	Black Bldg & Eye Institute Annex Bldg.
- Floor/Room:	18 and 19 Black, 8th Eye Institute
Contact Person:	(b)(6)(7)(c) Phone No.: (6)(6), (b)(7)(c)
Site No.: 2 Name/Department:	St. Luke's-Roosevelt Hospital, Antenucci Bldg
Address:	432 West 56th Street
	NY, NY 10019
Building:	
Floor/Room:	Basement
Contact Person:	(6/6) (6/7)(C) Phone No.: (6/6), (6/7)(C)
Site No.: 3 Name/Department:	ST. Luke's-Roosevelt Hospital, Clark Bldg.
	1111 Amsterdam Avenue
	·
Building:	
Floor/Room:	l0th_floor
Contact Person:	Phone No.
	(b) (b), (b)(7)(c) (b)(6), (b)(7)(c)

21R0082 NOV 29 1999

#### FACILITY SITES LISTING

Licenses/Registrant Name:	Columbia University, Health Sciences Division
License/Registration Number:	21-R-0082
	<b>}</b>
sure to include all requested	hat house regulated animals under the above number. Be information. If the line does not apply, please mark n three (3) sites copy this form as many times as needed
Site No.: 4 Name/Departme	nt: NYS Psychiatric Institute, Comp. Medical Sciences
Addre	777 West 168th Street
	NY, NY 10032
Buildi	ng:
- Floor/Ro	om: 9th floor
Contact Pers	on: $(b)(b)(7)(c)$ Phone No.: $(b)(6), (b)(7)(c)$
	nt: * Barton's West End Farms, Inc. ss: Main Kennel Bldg, Area 19 Oxford, NJ 07863
Buildi	ng:
Floor/Ro	om:
Contact Pers	(b)(6), (b)(7)(c) Phone No.: (b)(6), (b)(7)(c)
Site No.: Name/Departme	nt:
Addre	ss:
Buildi	ng:
Floor/Roo	om:
Contact Perso	on: Phone No.:

NOV 30 ISSS interagency Report Control No.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION 19084 AYUS

FORM APPROVED OMB NO: 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Rathan S. Kline Institute for Psychiatic Research

-Plaza & Grango Streets 140 OLD ORANGUSURG KI)
-630 West 168th Street BLDS. 35

Orangeburg, NY 10962

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

See Attached
ROCKLAND PSYCHIATRIC CENTER, NKI,
BUILDINK #39

A. Animals Covered	B. Number of animals being bred.	C Number of animals upon which teaching,	D. Number of animals upon which experiments,	Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress	F.
By The Animal Wellare Regulations	conditioned, or held for use in teaching, testing, experiments,	research, experiments, or tests were conducted	leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals	to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	TOTAL NO. OF ANIMAL
	research, or surgery but not yet used for such purposes.	involving no pain, distress, or use of pain- relieving drugs.	and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	(Cols. C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	,0	0	0	0	0
6. Guinea Pigs	0	48	0	0	48
7. Hamsters	0	0	0	0	0
8. Rabbits	6	10	0	0	10
9. Non-human Primates	0	35	4	0	39
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
				<u> </u>	
13. Other Animals	0	0	0	0	0
				33.4	
				*: "	

#### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including appropriate use of anesthetic, analgesic, and trandgillizing drugs, prior to, dufing, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIA	l.
(Chief Executive Officer or Legally Responsible Institutional Official)	
Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)	

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11-29.89

NKI

0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 21-R-0084 FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address: as registered with USDA 1. REGISTRATION NO.

FORM APPROVED

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

( TYPE OR PRINT)

NATHAN S. KLINE INSTITUTE FOR PSYCHIATELY RESEARCH BLDG-35, 140 OLD ORANGEBURG ROAD ORANGEBURG, NY 10462

RT OF ANIMALS USED BY	B Number of	C Number or	D. Matupet of guilmars after:	E. Number of animals upon which teaching. experiments, research, surgery or Tests were	ľ
Animals Covered By The Animal Wellare Regulations	animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not	animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain.	which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analyesic, or trangulizing drugs were	experiments, research, single-responsing pain or distress conducted involving accumpanying pain or distress to the animals and for which the use of appropriate affesthetic, analysis, or tranquitzing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to (his report).	TOTAL NO OF ANIMA
12 &/OR 13 Other (List by species)	yet used for such purposes	relieving drugs	used	must be straction to the	
NA					
					+
	,				
					-
					-
		/			
		1			
	1/				+
					-
		<u> </u>		131	
				75	

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic analysis. and tranquilizing (trugs, prior to, dirring and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful princedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations to the specified and explained by the This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the histitutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. principal investigator and approved by the institutional whithis care and use committee (IACUC). A summary of all such exceptions is accepted to this amount of an investigator and approved exceptions, this summary includes a brief explanation of the exceptions, its well as the species and number of animals affected addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, its well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary cure and to oversize the adequacy of other aspects of

4) The attending veterinarian for this research facility has approximate and use   CERTIFICATIO  (Chief Execution of the control of the contr	N BY HEADQ	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) e, correct, and complete (7 U.S.C. Section 2143)	DATE SIGNED
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL		NAME & TITLE OF C E.O. OR INSTITUTIONAL OFFICIAL (Type of Public	11-29-99
200		01/01/01/01/01	HEADQUARTERS

APHIS FORM 7023A IALIG 91 1

CQ(6), CQ(7)(C) (b)(6), (b)(7)(C)

PART ! HEADQUARTERS

1. REGISTRATION NOOST 2. HEADQUARTERS RESEARCH FACILITY IN amo and Addr

OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Health and Environment Laboratories
Eastman Kodak Company include Zio

1100 Ridgeway Avenue Building 320, Kodak Park Rochester, NY 14652-6256 NOV 0 2 1999

Status: Active

1. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach administration sheets if necessary) Toxicological Sciences Laboratory, B-320, Kodak Park, Rochester, NY 14652-6256

FACILITY LOCATIONS (Siles)

**Toxicological Sciences Laboratory** 

See Attached

B-320 Kodak Park Rochester, NY 14652-6256

A. Animals Covered By The Animal Wellare Regulations	B: Number of animals being bred, conditioned, or held for use in teaching, festing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain- relieving drugs.	D Number of animals upon which experiments, teaching, research, surgery, or tests were conducted invulving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquitizing drugs were used	E. Number of animals upon which feaching, experiments, research, surgery or lesss were conducted involving accompunying pain or distress to the animals and for which the use of appropriate anesthesic, analysisc, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F. TOTAL NO OF ANIMALS (COIs. C + D + E)
4. Dogs	0	0	0		0
5. Cals	0	0	0		ρ.
6. Guinea Pigs	0	569	0	·	569
7. Hamsters	, 0	0	Ó		0
8. Rabbits	0	52	2		. 54
9. Non-human Primates	0	0	0		0
10. Sheep	0	0	0	·	0
11. Pigs	0	0	0		0
12. Other Farm Animals	. 0	0	0		0
13. Other Animals	0	0	0		0
				· .	
		-			

- Professionally acceptable standards governing the care, treatment, and use of animals, including approximate use of anisithetic, analysis, and tranquistring drugs, prior to, during, and following actual research, teaching, testing, surjery, or experimentation were inflowed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulatures under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report, it addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

 The attending votermarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the animal care and itse W(6)(b)(7)

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

Eastman Kodak Company

DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolute )

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

## ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Oct 1, 1999 - Sept. 30, 2000

		_		
1. REGISTRATION NO. 21-R-0089	21	R	00	JRC
	O	11	$\sim$	~cs

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
LaGuardia Community College

31-10 Thomson Avenue 235 East 42nd Street

Long Island City, NY 11101 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

Clll Veterinary Technology Center 31-10 Thomson Avenue

Long Island City, NY 11101

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL:  (Cols. C + D + E)
4. Dogs	9	0	9	0	9
5. Cats	19	0	19	0	19
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	12	0	12	0	12
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals	<u> </u>			4.	<u> </u>
				<u>C.</u>	<u> </u>
13. Other Animals					
	·				
		·		\$\$4	
					Į.

#### **ASSURANCE STATEMENTS**

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CENTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL thief Executive Officer (CLegally Responsible Institutional Official)

The above is fine, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) DATE SIGNED

(Replaces V\$ FORM 18-23 (OCT 88), which is obsolete)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO 90

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)
Brooklyn College of CUNY

2900 Bedford Avenue 235 East 42nd Street Brooklyn, NY 11210 Status: Active

NOV 2 9 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

#459

FACILITY	LOCATIONS (Siles)
School of Education 1102 Plaza	
school of education 11-57:1391	

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animats upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMAL:  (Cols. C + D + E)
4. Dogs					<u> </u>
5. Cats					<u> </u>
6. Guinea Pigs	,				<u> </u>
7. Hamsters					<u> </u>
8. Rabbits					
9. Non-human Primates					-
10. Sheep					<del> </del>
11. Pigs					
12. Other Farm Animals				÷.	
13. Other Animals				4	
Gerbils		100	0	0	100

#### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

animal care and use			
(Chief Executive Officer or	QUARTES RESEARCH FACILITY OFFICIAL r Legally Responsible Institutional Official) rue, correct, and complete (7 USC Section 2143)	r <mark>e</mark> vi <sup>®</sup> Air	1 (4) (4) (4) (4) (4) (4) (4) (4) (4) (4)
SIGNATURE DEC.E.O. OR INSTITUTIONAL OFFICIAL (6)(6)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Ty)	(b)(6) (b)(7)(C)	DATE SIGNED
APHIS FORM 7023 (Replaces VS FORM 18-23 (OCT 88), which is	obsolete)	k way.	

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.92 21ROO

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code) New York University School of Medi

550 First Avenue 235 East 42nd Street New York, NY 10016 Status: Active

DEC 0 2 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F. TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	00	25	0	25
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	77	46	0	123
7. Hamsters	0	00	0	0	0
8. Rabbits	15	66	164	0	170
9. Non-human Primates	2	2	2	0	4
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	00	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals	0	0	0	0	0

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILI	ly official
(Chief Proporting Officer or Legally Responsible Institution	al Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE ORIC.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL

DATE SIGNED

11/24/99

## **FACILITY SITES LISTING**

Name:

New York University, School of Medicine

Registration No:

21-R-0092

Site No 1:

Name:

Central Animal Facility

Medical Science Building - Berg Institute

550 First Avenue New York, NY 10016

Department of Medical & Molecular Parsitology

Old Public Health Building

341 East 25<sup>th</sup> Street New York, NY 10016

Site No 2:

Name:

Department of Environmental Medicine

Lanza Laboratories Long Meadow Road Tuxedo, NY 10987

See reverse side for

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO93

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, <sup>include Zip Godel</sup>er College

695 Park Avenue

New York, NY 10021

Status: Active

NOV 29 1999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Hunter College, 695 Park Avenue

Room 1525 North Building

المحد المدينية والمسا

J464

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	0	0	0	0	0
5. Cats	, 0	0	0	0	0
6. Guinea Pigs	0	6	0	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	0	0	0
9. Non-human Primates	0	0	0	0 .	0
10. Sheep	0	0	0	0	0
11. Pigs	0 _	0 .	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals	0	0	0	19	0
ASSURANCE STATEMENTS	. •		•		

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

See Attached

1. REGISTRATION MOO4

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include 2000)

251 Center Road P.O. Box 1000

South Plymouth, NY 13844

Status: Active

(6)(4)(6)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM 7023A) Number of animals upon which teaching B. Number of C Number of D. Number of animals upon experiments, research, surgery or tests were animals being animals upon which experiments, conducted involving accompanying pain or distress which leaching, **Animals Covered** bred. leaching, research, to the animals and for which the use of appropriate conditioned, or TOTAL NO. By The Animal research, surgery, or tests were anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS experiments, or held for use in Wellare Regulations conducted involving have adversely affected the procedures, results, or teaching, lesting, tests were accompanying pain or experiments, interpretation of the teaching, research, conducted distress to the animals experiments, surgery, or tests. (An explanation of research, or involving no (Cols. C + D + E) and for which appropriate the procedures producing pain or distress in these pain, distress, or surgery but not anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs used Dogs Off 113 1936 Cats Guinea Pigs Hamsters Rabbits 9. Non-human Primates 10. Sheep 11. Pigs Other Farm Animals Other Animals

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICE	AL.
(6)(1) (1)(m)(n)	(Chief Executive Officer or Legally Responsible Institutional Official)	**
10/14/10/11/14	lay.	

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Prop)

DATE SIGNED

(b)(7)(c) (1/30/2

ASSURANCE STATEMENTS

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

See Attached

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) Lake Immunogenics, Inc.

348 Berg Road

-D.O. Box 1000-Ontario, NY 14519

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

348 BERG-RD , ONTARIO , NYHSIA

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	NA				
5. Cats	NA				
6. Guinea Pigs	NA				
7. Hamsters	NA				
8. Rabbits	NA				
9. Non-human Primates	NA			-	
10. Sheep	NA				-
11. Pigs	NA				
12. Other Farm Animals					
GOATS	68	13	55		68
13. Other Animals				9 (4) (4) 3 (4) (4) (4) (4) (4) (4) (4) (4) (4) (4)	
CALVES	44		44		44
					<u> </u>

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

(Chief Executive Officer or	QUARTES RESEARCH FACILITY OFFICIAL. Legally Responsible Institutional Official) Legally Responsible (7 USC Section 2143)	16/(4)(c)
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL  (b)(c)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)  (b) (c)  (c)	DATE SIGNED

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

See Attached

1. REGISTRATION NO.97 21R0097

FORM APPROVED OMB NO. 0579-0036

HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) institute of Ecosystem Studies, In

Box AB

P.O. Box 1000

Millbrook, NY 12545

Status: Active

NFF: 0 1 1900

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM 7023A.) Number of animals upon which teaching, B. Number of Number of D. Number of animals upon experiments, research, surgery or lests were animals being animals upon which experiments, conducted involving accompanying pain or distress which leaching, bred, **Animals Covered** leaching, research, to the animals and for which the use of appropriate TOTAL NO. conditioned, or research, By The Animal surgery, or lests were anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS held for use in experiments, or Welfare Regulations conducted involving have adversely affected the procedures, results, or teaching, testing. lests were accompanying pain or interpretation of the teaching, research, experiments, conducted distress to the animals experiments, surgery, or tests. (An explanation of (Cols. C + D + E) research, or on pnivlovni and for which appropriate the procedures producing pain or distress in these surgery but not pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. used. Dogs Cats Guinea Pigs Hamsters Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 874 874 13. Other Animals . . **ASSURANCE STATEMENTS** 

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

. (	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) (Certify that the above is true, correct, and complete (7 USC Section 2143)	
SIGNA	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)	U)29/2
APHIS APM 7023 (Postuces	IVS SOOM 18.22 (OCT 88), which is obsolute t	

0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE I. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

21-**2**-0097 include Zip Codel

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

Institute of Ecosystem Studies, Inc.

Millbrook, NY 12545

Status: Active

REPORT OF ANIMALS USED BY OF	R UNDER CONTROL OF	F RESEARCH FACILITY	' (Attach adictitional sheets if no	cessary or use this form t	, <del></del>
A Antinals Covered By the Animal Wellare Regulations  12 &/OR 13 Other (Ust by species)	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D Number of animals upon which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgests, or tranquitizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
White-footed mouse		614			614
Eastern chipmunk		129			129
Short-tailed shrew		68			68
Masked shrew		9			9
Meadow vole		· 43	· ,		43
Southern flying squirrel		8	-		88
Long-tailed wease		· 3	*		3
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				Sa Li	
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ASSURANCE STATEMENTS					

#### SURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approximate use of anesthetic analysis; and tranquilizing drugs, prior to, during and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards und regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, its well as the spirites and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) UTIONAL OFFICIAL

⊜Interagency Report Control No >0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

'ANNUAL REPORT OF RESEARCH FACILITY

1. REGISTRATION NO 103

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code) Albany Medical College Animal Resources Facility

47 New Scotland Avenue Albany, NY 12208

Status: Active

(TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) FACILITY LOCATIONS (Siles)

See Attached

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquibzing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL:  (COIS. C + D + E)
4. Dogs	0	1	66		67
5. Cats	0	0	0		0
6. Guinea Pigs	0.	0	0		0
7. Hamsters	0	0	0		0
8. Rabbits	0	17	178		195
9. Non-human Primates	4	0.	14		<b>18</b>
10. Sheep	0	σ	19		19
11. Pigs	0	0.	145		145
12. Other Farm Animals	0	0.	0		
13. Other Animals					
Goat	0	0	5	1	5
		·			
				1,	

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL DES

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type

DATE SIGNED

**FORM 7023** UG 91)

(Reptaces VS FORM 18-23 (OCT 88), which is obsolete )
(b)(6), (b)(7)(C)

1. REGISTRAZION NO 104 21ROLO4

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zin Codel Trustees of Columbia University

The Trustees of Columbia Univers
Office of Projects & Grants
Box 20, Low Memorial Library

New York, NY 10027 Status: Active

DEC 0 1 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

341

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

See Attached

Barnard College:

Milbank Hall, Altschul Hall

Schermerhorn Bldg (Psychology Dept)/
Sherman Fairchild Center (Biological Sciences Dept) Comparative Medicine Sciences

PEPORT OF ANIMAL S. USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Allach adminitional sheets if necessary or use APHIS FORM 7023A)

A.  Animals Covered By The Animal Wellare Regulations .	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters	10		130		130
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals				The state of the s	
13. Other Animals					
				ន្ទែរម <del>ើ</del> ធីវិ	

#### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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(Chief Executive Officer of	QUARTES RESEARCH FACILITY OFFICIAL or Legally Responsible Institutional Official) true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OR INSTITUTIONAL OFFICIAL (b)(6)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) (b)(6) (b)(7)(c)	11/30/99

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 21-R-0104

include Zip Codel

FORM APPROVED OMB NO. 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) The Trustees of Columbia University Office of Projects & Grants
Box 20, Low Memorial Library
New York, NY 10027

Animals Covered By The Animal Welfare Regulations	B Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or	D Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accumpanying pain or distress to the animals and for which the use of appropriate anesthetic, analysisic, or tranquitizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these	F TOTA OF AN
12 &/OR 13 Other (List by species)	yet used for such purposes	use of pain- relieving drugs	anesthetic, analyesic, or tranquilizing drugs were used	animals and the reasons such thugs were not used must be attached to this report)	D ·
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- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of anesthetic analysis, and tranquilizing drugs, prior to, during and following actual research, feaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending voterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary cure and to oversee the adequacy of other aspects animal care and use

(Chief Executive Office	ADQUARTES RESEARCH FACILITY OFFICIAL er or Legally Responsible Institutional Official) ers true, correct, and complete (7 U.S.C. Section 2143)	
O OR INSTITUTIONAL OFFICIAL	NAME & FITLE OF CEO. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
		11/30/99
MIC ECOM 70004 CL 1// CANA		<del></del>

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 21ROIC

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, Rogosin Institute, The

505 East 70th Street Box 20, Low Memorial Library New York, NY 10021-9809

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these -purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** See Attached

The Rogosin Institute Xenia Division 740 Birch Road, Xenia, OH 45385

A. Animals Covered By The Animal Wellare Regulations	Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	none	none	8	none	88
5. Cats	,				
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	3	none	57	none	57
9. Non-human Primates					
10. Sheep	·				
11. Pigs					
12. Other Farm Animals					
				.45	
13. Other Animals					
				100 m	
				*1 **	

- Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL. (Chief Executive Officer or Legally Responsible Institutional Official)

Learnity that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

The Rogosin Institute

10,6.99

DATE SIGNED

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

# 1. REGISTRATION NO 107 21ROLO

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Code) North Shore University Hospital

300 Community Drive

Research Building Manhasset, NY 11030 Status: Active

	(TIFE ORTHIN)	
31/2		

same as above

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles) See Attached

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM /023A.) E. Number of animals upon which teaching, C Number of B. Number of D. Number of animals upon experiments, research, surgery or tests were animals being animals upon which experiments, conducted involving accompanying pain or distress which leaching, bred. teaching, research, to the animals and for which the use of appropriate Animals Covered conditioned, or TOTAL NO. research, surgery, or lesis were By The Animal anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS experiments, or held for use in conducted involving Welfare Regulations have adversely affected the procedures, results, or leaching, lesting, lesis were accompanying pain or interpretation of the teaching, research, experiments, conducted distress to the animals experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these (Cois. C + D + E) research, or involving no and for which appropriate surgery but not pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were must be attached to this report). relieving drugs. purposes. used. 0 0 0 0 Dogs 0 0 0 0 0 Cats 0 0 O 0 Guinea Pigs 0 0 0 0 0 Hamsters 18 O 12 6 Rabbits 8. n n n Non-human Primates 9. n n 0 0 0 10. Sheep 0 0 0 11. Pigs 0 N Other Farm Animals N/A 13. Other Animals **。** 

### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) . Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected

The attending veterinarian for this research lacility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use

(Chief Executive Officer or	QUARTES RESEARCH FACILITY OFFICIAL  Legally Responsible Institutional Official)  M. correct, and complete (7 USC Section 2143)	1C1XC)
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
(b)(6), (b)(7)(c)	(b)(6)(6)(7)(c)	1010 .111

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRAZIPIKNE109

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) university of Rochester

601 Elmwood Avenue

NOV 2 9 1999

P.O. Box 674

Rochester, NY 14642 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles) See Attached

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs			18		18
5. Cats			24		24
6. Guinea Pigs	,		0		0
7. Hamsters			619		619
8. Rabbits			199		199
9. Non-human Primates			64		64
10. Sheep			15		15
11. Pigs			5		5
12. Other Farm Animals	-				
Goats			11	· .	11
13. Other Animals				er ec	
Chinchilla		•	10		10
Bats			4		4
Ferrets			47		47

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

(Chief Executive	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL  (Chief Executive Officer or Legally Responsible Institutional Official)  I certify that the above is true, correct, and complete (7 USC Section 2143)				
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL  1:		NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of		DATE SIGNED 11/19/99	

**APHIS FORM 7023** (AUG 91)

(b)(c),(b)(7)(c)

3 (OCT 88), which is obsolete) (b)(6) (b)

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150.

See reverse side for additional information Interagency Report Control No (1) 1C 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRAZION NO 11

FORM APPROVED

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Godding College

Idle Hour Boulevard P.O. Box 674

Oakdale, NY 11769 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** See Attached SCIENCE CENTER

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adultional sheets if necessary or use APHIS FORM 7023A) Number of animals upon which teaching, B. Number of Number of D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments. bred. conducted involving accompanying pain or distress Animals Covered which leaching. teaching, research, By The Animal conditioned, or research, to the animals and for which the use of appropriate surgery, or tests were TOTAL NO. Wellare Regulations held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS conducted involving have adversely affected the procedures, results, or teaching, testing, lesis were accompanying pain or experiments, interpretation of the teaching, research, conducted distress to the animals research, or experiments, surgery, or tests. (An explanation of involving no (Cols. C + D + E) and for which appropriate the procedures producing pain or distress in these surgery but not pain, distress, or anesthetic, analgesic, or yet used for such use of painanimals and the reasons such drugs were not used tranquilizing drugs were must be attached to this report). purposes. relieving drugs. used. 4. Dogs Cats Guinea Pigs Hamsters Rabbits Non-human Primates Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals **ASSURANCE STATEMENTS** 

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Ficertify that the above is true, correct, and complete (7 U.S.C. Section 2143) SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 21-R-0112

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code)
Mary Imogene Bassett Hospital, The

One Atwell Road P.O. Box 674

Cooperstown, NY 13326

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

See Attached

Site 1 - Room 400/4th Floor, Room 500/5th Floor

Site 2 - Farm Building, #1

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMAL.  (Cols. C +  D + E)
4. Dogs					·
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits		·			
9. Non-human Primates	·				
10. Sheep					
11. Pigs			8		8
12. Other Farm Animals					
13. Other Animals					
				**************************************	
-					

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OF	FICIAL
(Chief Executive Officer or Legally Responsible Institutional Officerity that the above is true correct, and complete (7 U.S.C. Section 2143)	cial)
Legithy that the above is true correct, and complete (7.11.5.C. Section 21.42)	('(

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

10/13/99

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

1. REGISTRATION NO. 18

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

	(TYPE OR PRINT)	
2111		

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Codel New York University - Washington Sq.

Office of Laboratory Animal Service 15 Washington Place, 1-K New York, NY 10003-6641

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

See Attached

Roof Top Facility, Main Building

Meyer Building, 11th Floor

Dental Center, 11th Floor

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of apprepriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs				,	
5. Cats			1		1
6. Guinea Pigs					
7. Hamsters					
8. Rabbits			11		11
9. Non-human Primates	12	21	5 2		73
10. Sheep			·		
11. Pigs	1				
12. Other Farm Animals					
13. Other Animals					
Ferrets	1	-	15		15
Gerhils	36		332	Sar Marie	332

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
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- 4) The attending vetermarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C. F.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

APHIS FORM 7023 (AUG 91)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRUZIONENO 19

FORM APPROVED

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Fode) 1.1. Include its

include Zip Cornell University 117 Day Hall

70 Washington Square South Ithaca, NY 14853

Status: Active

528

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

DEC 0 1 1990

Animals Covered By The Animal Welfare Regulations	B Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (COIS. C + D + E)
4. Dogs	73	108	175	0	175
5. Cats	, 1	2	149	0	151
6. Guinea Pigs	. 0	0	4	0	4
7. Hamsters	60	453	109	0	562
8. Rabbits	99	109	179	0	288
9. Non-human Primates	14	15	30	0	45
10. Sheep	0	1	19	0	20
11. Piqs	0 .	43	0	0 -	43
12. Other Farm Animals					
cattle	0	49	0	- : 0	49
13. Other Animals					
horse	41	72	3.	<sub>कुर्भि</sub> <b>०</b>	75

#### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of aniesthetic, analgesic, and tranquilizing drugs, prior to, during and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report in addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (b)(6)

(b)(b), (b) (7)(c)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/30/99

1. REGISTRATION NO. 21-R-0119 2. HEADQUARTERS RESEARCH FACILITY (Plante and Address, as registered with USDA

include Zip Code)

FORM APPROVED OMB NO. 0579 0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

( TYPE OR PRINT)

Cornell University 117 Day Hall

Ithaca, New York 14853

Active Status:

		TARREST TARREST TO	Cares adultional sheets if noo	essary or use this form t	•
Animals Covered By The Animal Welfare Regulations  12 &/OR 13 Other (Ust by species)	UNDER CONTROL OF  B Number of animals being bred, conditioned, or held lor use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs	D Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and lor which appropriate anesthetic, analyesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress fo the animals and fur which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (COIS C + O + E)
cotton rats	0	0	2	0	2
<del></del>	0	0	2	0	2
cotton mouse Wht. footed mouse		0	1	0	<del> </del>
Voles	187	231	0	0 .	231
Naked Mole Rats	0	96	0	· 0	96
Opossum	0	0	8	0	8
Woodchuck	, 0	20	1330	0	1330
Otters	0	10	17	0	17
					<u> </u>
				<u> </u>	
					-
				ART HOUSE	
				·	

#### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of aniesthetic, analgesic, and tranquilizing drugs, prior to them. and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report principal investigator and approved by the instrumental animal care and ose committee process. A summary of all such exceptions is according to make the species and number of animals affected addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other oxide. animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SHINED

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

# 

Site Number	Department
1 (USDA # 123)	Laboratory Animal Services
2 (USDA # 123)	Laboratory Animal Services
4 (USDA #123)	Laboratory Animal Services
5 (USDA #123)	Laboratory Animal Services
6 (USDA #123)	Laboratory Animal Services
9 (USDA 124)	Laboratory Animal Services
10 (USDA #124)	Laboratory Animal Services
11 (USDA # 124)	Laboratory Animal Services
12 (USDA #124)	Laboratory Animal Services
15 (USDA #124)	Laboratory Animal Services
16 (USDA 125)	Laboratory Animal Services
17 (USDA 125)	Laboratory Animal Services
19 (USDA 126)	James A. Baker Institute
21 (USDA 126)	James A. Baker Institute
22 (USDA 126)	James A. Baker Institute
23 (USDA 126)	James A. Baker Institute
24 (USDA 126)	James A. Baker Institute
32 (USDA 130)	Clinical Sciences
35 (USDA 130)	Clinical Sciences
40 (USDA 130)	Clinical Sciences
58 (USDA 130)	Clinical Sciences
60 (USDA 130)	Clinical Sciences
66 (USDA 130)	Laboratory Animal Services
74 (USDA 130)	Clinical Sciences
78 (USDA 124)	Laboratory Animal Services
90 (USDA 128)	Psychology Department
98 (USDA 127)	Animal Sciences

102 (USDA 127)	Animal Sciences
107 (USDA 128)	Biological Sciences
108 (USDA 129)	Human Ecology
109 (USDA 129)	Human Ecology
111 (USDA 127)	Biological Sciences
112 (USDA 127)	Biological Sciences
103 (USDA 131)	USDA Agriculture Research Service

(TYPE OR PRINT)

DEC 0 2 1999

## ANNUAL REPORT OF RESEARCH FACILITY

1. REGISTRATION NO. 21-R-123

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

New York Society fo the Relief of the Ruptured and Crippled, Maintaining the Hospital for Special Surgery 535 E 70th St., New York, NY 10021

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

Facility for Comparative Studies @ 541 E 71st Street - First Floor

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgestic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	15	0	15
5. Cats	0	0	0	0	0
6. Guinea Pigs	<sup>'</sup> 0	0	0	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	15	0	188	0	188
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals					
				in the second se	

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2) Each principal investigator has considered alternatives to painful procedures

This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

10/01/98 - 09/30/99

### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO. 21-R-0124

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Codel

New York State Department of Health and Health Research, Inc.

Tower Building, Empire State Plaza Albany, NY 12237

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Siles)

NYS Dept. Health, Wadsworth Center Empire State Plaza, Albany, NY 12201-0509

	B. Number of	C Number of	<del></del>	cessary or use APHIS FORM 7023A)  E. Number of animals upon which feaching,	F
Animals Covered By The Animal Wellare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or lests were conducted involving accompanying pain or distress to the unimals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	TOTAL NO OF ANIMALS (Cols. C + D + E)
Dogs	0	0	0	0	0
Cats	, o	0	0	0	0
. Guinea Pigs	0	0	63	0	63
Hamsters	0	0	0	0	0
. Rabbits	70	0	73	0	73
Non-human Primates	0	0	0	0	0
0. Sheep	40	0	0	0	0
1. Pigs	0	0	0	0	0
2 Other Farm Animals	SEE NEXT	PAGE			
3. Other Animals	SEE NEXT	PAGE			
		·		<b>2</b> 4 / <b>1</b> / <b>2</b> / <b>2</b> / <b>3</b>	
	•				
,					

- Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

11/26/89

GNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

1. REGISTRATION NO. 21-R-0124 FORM APPROVED OMB NO 0579-0036

## CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY ( TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA New York State Department of Health and include Zip Codel Health Research, Inc. Tower Building, Empire State Plaza

	YPE OR PRINT		Albany, h	NY 12237	
		The same of the sa	Ishan adultional sheets if nec	essary or use this form t	
REPORT OF ANIMALS USED BY OR A Animals Covered By The Animal Welfare Regulations	UNDER CONTROL OF  B Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted invulving no pain, distress, or use of pain-relieving drugs	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analysis, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and fin which the use of appropriate anesthetic, analgesic, or tranquitizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
12) OTHER FARM ANI	MALS:			0	25
Goats	45	23	2	0	0
Geese	2	0	0	0	0
Horses	2	0	0	0	. 3
Bovine	- 5	3	0		
13) OTHER ANIMALS	, ,	0	51	0	51 <sup>-</sup>
Raccoons	0		9	. 0	9
Skunks	0	0	5	0	5
Fishers	0	1,245	76	0	1,321
Mice	0	258	4	0 .	262
Shrews	1				
					+
			·		

## ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic analysis. and tranquilizing drugs, prior to, dirring and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report in principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report in principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects.

	ADQUARTES RESEARCH FACILITY OFFICIAL or or Legally Responsible Institutional Official) e is true, correct, and complete (7 U.S.C. Section 2143)	DATE SIGNED
SIGNATURE OF C E O OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C E O OR INSTITUTIONAL OFFICIAL (Type or Print)	11/26/99

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 21-R-0128

FORM APPROVED OMB NO: 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA,

include Zip Code)
Syracuse University

Office of Lab Animal Resources

1101 Merrill Lane

Syracuse, NY 13244-5290

NOV 2 9 1999

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

See Attached

Biological Research Laboratory

Vinzant Sheep Farm

Institute for Sensory Research

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	0	0	0	0	0
5. Cats	1	0	11	0	11
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	<sup>*</sup> 0	0	0	0 ·	0
8. Rabbits	0	0	11	0	11
9. Non-human Primates	0	0	0	0	0
10. Sheep	8	10	0	0	10
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0 -	0	0	0
13. Other Animals				· · ·	
Chinchillas	22	0	5	-p	5
Grabile					
				<b>建筑</b>	

- Professionally acceptable standards governing the care, freatment, and use of animals, including appropriate use of anesthetic, analgesic, and franquilizing drugs, prior to, during. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Legitly that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFF

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO 32 21RO132

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Gode) include Zip Gode) in the control of the contro

55 Fifth Avenue 1101 Merrill Lane New York, NY 10003

Status: Active

NOV 2 9 1999

394

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	0	0	0	0-	. 0
5. Cats	9	0	4	0	4
6. Guinea Pigs	, 0	00	73	0	73
7. Hamsters	0	29	0	0	29
8. Rabbits	0	5	5	0	10
9. Non-human Primates	0	0	2	0	2
10. Sheep	0	0	0	0	0
11. Pigs	0	0	2	0	2
12. Other Farm Animals	. 0	0	0	0	.0
				£ .	·
13. Other Animals	1	15	376	0	391
				ign in the second	

## ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to pamful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use.

(Chief Executive Officer	DQUARTES RESEARCH FACILITY OFFICIAL or Legally Responsible Institutional Official) s true, correct, and complete (7 USC Section 2143)	
SIGNATI	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED

PHIS FORM 7023 (AUG 91) (AUG 9

(b)(b), (b)(7)(C)

0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 21-R-0132 FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Yeshiva University 55 Fifth Avenue 1101 Merrill Lane New York, NY 10003

NOV 29 1999

## CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY ( TYPE OR PRINT)

12 & 10	yet used for such use of pain: tranquilizing	experiments, research, surgery or tests which the use of appropriate to the animals and fur which the use of appropriate anesthelic, analysisc, or tranquilzing drugs would ulving pain or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of animals and the reasons such drugs were not used algestic, or animals and the reasons such drugs were not used.
gerbils         0         0         366         0           treeshrews         1         14         8         0           woodchucks         0         0         2         0	95)	
treeshrews 1 14 8 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1	0 366
treeshrews 1 14 5 0 0 woodchucks 0 0 2 0		0 22
WOODERIUCKS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3	

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of aniesthetic analysis and tranquilizing drugs, prior to, during and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, its well as the spis ies and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of an adequate veterinary care and to oversee the adequacy of other aspects of a specific or a specifi

4) The attending veterinarian for this research facility was opposite unimal care and use	The second secon	
CERTIFICATION BY HEA	ADQUARTES RESEARCH FACILITY OFFICIAL r or Legally Responsible Institutional Official) is true, correct, and complete (7 U.S.C. Section 2143)	
SIGN OR INSTITUTION	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
	(1) (1) (n) (n) P/RT	I HEADQUARTERS

APHIS FORM 7023A(b)(6), (b)(7)(C) (AUG 91)

(b)(6), (b)(7)(e)

21R0132

Contact Person:

Albert Einstein College of Med Ullmann-Forchheimer-Chanin Bld 1300 Morris Park Avenue

Bronx, NY 10461 County: New York

NOV 2 9 1999

Site: 002 Status: Deleted

Albert Einstein College of Hed Forchheimer Building 1300 Morris Park Avenue Bronx, NY 10461 County: New York

Contact Person:

Site: 003 Status: Deleted

Albert Einstein College of Hed Chanin Building 1300 Morris Park Avenue Bronx, NY 10461 County: New York

Contact Person:

Site: 004 Status: Active Albert Einstein College of Med Rose F. Kennedy Center 1410 Pelham Perkway South Bronx, NY 10461 County: New York

Contact Person:

Site: 005 Status: Deleted

Stern College Old Wing 253 Lexington Avenue New York, NY 10003 County: New York

Contact Person:

NE

NE

Site: 006 Status: Deleted

Yeshiva College 500 West 185th Street New York, NY 10033 County: New York

Contact Person:

Site: 007 . .

Status: Deleted

Van Etten Hospital Seminole & Morris Park Ave Bronx, NY 10461 County: New York

Cartest Person:

all redactions (b)(b) (b)(7)(c)

See reverse side for additional information

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

FORM APPROVED OMB NO: 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

{ '

See Attached

include Zip Code) New York City Dept. of Health

Bureau of Laboratories

455 First Avenue New York, NY 10016

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held locations where purposes. Attach additional FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A) Number of E. Number of animals upon which teaching, C Number of D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments, conducted involving accompanying pain or distress **Animals Covered** bred. which leaching, leaching, research, conditioned, or By The Animal research, to the animals and for which the use of appropriate surgery, or tests were TOTAL NO Welfare Regulations held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would conducted involving OF ANIMALS teaching, testing, have adversely affected the procedures, results, or lesis were accompanying pain or experiments, interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of conducted distress to the animals research, or involving no (Cols. C + D + E) and for which appropriate surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or yet used for such use of painanimals and the reasons such drugs were not used tranquilizing drugs were purposes. must be attached to this report). relieving drugs Dogs Cats Guinea Pigs 7. Hamsters Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals 700 Mice

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

**ASSURANCE STATEMENTS** 

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

#### FACILITY SITES LISTING

Licensee/Registrant Name:	ew York City Department of Health, Bureau of Laboratories
License/Registration Number:	21-R-134
sure to include all requested	at house regulated animals under the above number. Be information. If the line does not apply, please mark three (3) sites copy this form as many times as needed
Site No.: 1 Name/Departmen	New York City Department of Health
Addres	455 First Avenue
	New York, NY 10016
Buildin	g: Public Health Laboratory Building
- Floor/Roo	13th Floor, Rooms 1363 and 1368
Contact Perso	Phone No.: $\frac{212\ 447-6786}{\text{(b)(b), (b)(7)(c)}}$
Site No.: Name/Departmen	t:
Addres	
•	NOV 1 5 1999
Buildin	
Floor/Roo	om:
Contact Perso	Phone No.:
Site No.: Name/Departmen	it:
Addres	s:
Buildin	nd:
Floor/Roo	m:
Contact Perso	Phone No.:

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRAZION NO135

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Public Health Research Institute

455 First Avenue 455 First Avenue

New York, NY 10016 Status: Active

NOV 2.9 1999

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

404

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach admitted an abelia in necessary or use APHIS FORM 7023A.) Number of animals upon which teaching, B. Number of C Number of D. Number of animals upon animals being experiments, research, surgery or tests were animals upon which experiments, bred, which leaching, conducted involving accompanying pain or distress **Animals Covered** teaching, research. to the animals and for which the use of appropriate By The Animal conditioned, or research. TOTAL NO surgery, or tests were conducted involving anesthetic, analgesic, or tranquilizing drugs would held for use in Wellare Regulations experiments, or OF ANIMALS have adversely affected the procedures, results, or interpretation of the teaching, research, teaching, testing, lesis were accompanying pain or experiments. conducted distress to the animals experiments, surgery, or tests. (An explanation of research, or (Cols. C + D + E) and for which appropriate involvina no surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or animals and the reasons such drugs were not used vet used for such use of paintranquilizing drugs were purposes. must be attached to this report). relieving drugs. used 0 0 0 0 0 4. Dogs 0 0 0 0 0 Cats 0 0 0 0 0 6. Guinea Pigs 0 0 0 0 0 7. Hamsters 0 0 0 0 0 Rabbits 0 0 0 0 0 9. Non-human Primates 0 0 0 0 0 10. Sheep 0 0 0 0 0 11. Pigs 0 0 0 0 0 12. Other Farm Animals 0 0 0 0 0 13. Other Animals

#### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(6)(6)	(Chief Executive Officer of	QUARTES RESEARCH FACILITY OFFICIAL or Legally Responsible Institutional Official) true, correct, and complete (7 U.S.C. Section 2143)	
SIGNAT	TIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
			1//
		(6)(7)(6)(7)(6)	11/17/99
	the last the same of the same	10/16/10/11/10	

APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolete)

NOV 2 3 See reverse side for additional information.

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRAZIPIN NO 137 21RO137

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Code) Island Jewish Medical Center 270-05 76th

391

See Attached

New Hyde Park, NY 11042 Status: ACTIVE

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets'il necessary.)

FACILITY LOCATIONS (Sites)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.) E. Number of animals upon which teaching, Number of Number of Number of animals upon experiments, research, surgery or tests were animals being animals upon which experiments, conducted involving accompanying pain or distress bred. which leaching, **Animals Covered** teaching, research, to the animals and for which the use of appropriate TOTAL NO conditioned, or research. By The Animal surgery, or tests were anesthetic, analoesic, or tranquilizing drugs would OF ANIMALS held for use in experiments, or Wellare Regulations conducted involving have adversely affected the procedures, results, or teaching, lesting, tests were accompanying pain or interpretation of the teaching, research, experiments, conducted distress to the animals experiments, surgery, or tests. (An explanation of (Cols. C + D + E) research, or involving no and for which appropriate the procedures producing pain or distress in these surgery but not pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used vet used for such use of paintranquilizing drugs were purposes. relieving drugs. must be attached to this report). 0 0 0 O 0 4. Dogs 0 0 0 0 Cats 90 90 0 ·O O Guinea Pigs 0 0 O 0 0 7. Hamsters 0 0 O Rabbits 8. 0 O 0 O O Non-human Primates 0 O 10. Sheep 40 റ 40 O O 11. Pigs 0 ٥ റ O 12. Other Farm Animals NA 13. Other Animals ij

#### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

Dillingi Care and use			
(N/3/4/7/D)	(Chief Executive Officer or	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) s, correct, and complete (7 USC Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONA	AL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
			11 8 99

APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolete )

(b)(b), (b)(7)(c)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 140

21R0140

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Rochester General Hospital

1425 Portland Avenue 455 XFX RSTX AVERUEX Rochester, NY 14621 Status: Active

NOV 0 8 1999

398

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, jeaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

FACILITY LOCATIONS (Siles)

See Attached

Sahler Animal Research Laboratory

Research Building Animal Facility

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	6	0	6
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	4	0	4
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	84	0	84
12. Other Farm Animals			-		
Chickens	0	0	73	0	73
13. Other Animals	0	0	0	0	0
		:			
				\$35 * 70 % PP## ***	

#### **ASSURANCE STATEMENTS**

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquitizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF CEO

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/1/89

APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolete (6)(6), (4)(7)(0)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Lawrence University

23 Romoda Drive 455 First Avenue Canton, NY 13617 Status: Active

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

Psychology Department (Flint Hall) 1st Floor

Biology Department (Bewkes Hall) 1st Floor

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (COIs. C + D + E)
4. Dogs	-0-	-0-	-0-	-0-	-0-
5. Cats	-0-	-0-	-0-	-0-	-0-
6. Guinea Pigs	-0-	-0-	-0-	-0-	-0-
7. Hamsters	-0-	-0-	-0-	-0-	-0-
8. Rabbits	-0-	-0-	-26-	-0-	-26-
Non-human Primates	-0-	-0-	-0-	-0-	-0-
10. Sheep	-0-	-0-	-0-	-0-	-0-
11. Pigs	-0-	-0-	-0-	-0-	-0-
12. Other Farm Animals	-0-	-0-	-0-	-0-	-0-
		1.		i i	
13. Other Animals	-0-	-0-	-0-	-0	-0-
		•		7	·
			•	San Arman	

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquitizing drugs, prior to, during. and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

APHIS FORM 7023

(AUG 91) (b) (b) (7) (c) which is obsolete)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

FORM APPROVED OMB NO: 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
American Health Foundation

1 Dana Road

Valhalla, NY 10595 Status: Active

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

As above

Oct. 1, 1998 - Sept. 30, 1999

See Attached

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs		39			39
7. Hamsters		5			5
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
				A Company	

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of anunal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

10/15/99

See reverse side for additional information

Interagency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 21-R-0148

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

## ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Fordham University 441 E. Fordham Rd. Bronx, N.Y. 10458

9/28/99

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)

Biology Department, Larkin Hall.

Calder Center, Armonk, N.Y.

Psychology Department, Dealy Hall.

Animals Covered By The Animal O Wellare Regulations nimals covered or the period 0/1/99-9/30/00.	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompunying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats	į				
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Piqs					
12. Other Farm Animals					<u> </u>
13. Other Animals	0	0	0	i O	0
			•	·	

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Actgand it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

	(Chief Executive (	( HEADQUARTES RESEARCH FACILITY OFFICE Officer or Legally Responsible Institutional Official) above is true, correct, and complete (7 U.S.C. Section 2143)		-6/17/C)
SIGNATURE OF C.E.O. OR INSTITUTION	IAL OFFICIAL (6)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL	L (Type or Print)	DATE SIGNED

1000 Interagency Report Cont 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO151

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Godelhton College

Willard Drive 455 First Avenue Houghton, NY 14744 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Site #1 Biology 5th Floor, Science Building

See Attached

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMAL:  (Cols. C +  D + E)
4. Dogs	0	0	0	. 0	0
5. Cats	, 0	0	0	0	0
6. Guinea Pigs	0	0	00	0	0
7. Hamsters	0	. 0	0	0	0
8. Rabbits	0	0	0	0	0
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals				T .	
Rats	0	16	. 0	<u></u>	16
Mice	0	12	0	0	12

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)
Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

Houghton College

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NOTO

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Siena College

515 Loudon Road 455 First Avenue Loudonville, NY 12211

Status: Active

402

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

FACILITY LOCATIONS (Sites)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach admittaged sheets if necessary or use APHIS FORM 7023A.) E. Number of animals upon which teaching, B. Number of C Number of D. Number of animals upon experiments, research, surgery or tests were animals being animals upon which experiments, conducted involving accompanying pain or distress bred, which leaching, **Animals Covered** teaching, research, to the animals and for which the use of appropriate conditioned, or By The Animal research, TOTAL NO surgery, or tests were anesthetic, analgesic, or tranquilizing drugs would held for use in experiments, or tests were Welfare Regulations OF ANIMALS conducted involving have adversely affected the procedures, results, or teaching, testing, accompanying pain or interpretation of the teaching, research, experiments, conducted distress to the animals experiments, surgery, or tests. (An explanation of research, or (Cols. C + D + E) on pnivlovni and for which appropriate surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or animals and the reasons such drugs were not used vet used for such use of paintranquilizing drugs were purposes. must be attached to this report). relieving drugs Dogs Cats Guinea Pigs 4 Hamsters Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals

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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF A CONTROL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

GRATURE ALL THE CONTROL OF THE CONTR

(b)

11/20/9

**ASSURANCE STATEMENTS** 

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 21-R-078

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA.

AMA LABORATORIES, INC 216 CONGERS RD NEW CITY, NY 10956

ANNUAL	REPORT	OF	RESEAF	RCH FA	CILITY
	(TYP)	E OI	R PRINT,	)	

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary) **FACILITY LOCATIONS (Sites)** or use APHIS FORM 7023A) REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Allach additional sheets

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	C	$\circ$	$\mathcal{O}$	0-	0
6. Guinea Pigs	.0	0	0	0	0
7. Hamslers	0	$\mathcal{C}$	0		0_
8. Rabbits	0	0	0	O	O -
Non-human Primates	0	0	Q	0-	<u> </u>
10. Sheep	0	$\theta$		<u> </u>	0_
11. Pigs	0	0	0		0
12. Other Farm Animals	0	0	0	0-	0
				()	
13. Other Animals	0	0	0	——;	0
			·	in the second se	
					<u> </u>

#### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
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- 4) The attending vetermarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

animai care and use			` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `	
		ef Executive Offi	EADQUARTES RESEARCH FACILITY OFFICIAL cer or Legally Responsible Institutional Official) over 15 true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF			NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
APHIS FORM 7023	(Replaces VS FOR	MT8-23 (OCT 88). w	hich is obsolute) (r) (s)	J Loginto

(AUG 91)

(b)(6), (b)(7)(c)

(b)(6), (b)(7)(c)

This report is required by low (7 USC 2143). Failure to report according to the regulations can result in order to cease and dexist and to be subject to penalties as provided for in Section 2150.

#8208 Interugency Arport Control No. 0 198-COA-AN

UNITED STATES	DEPARTMENT OF AGRICULTURE
	INT HEALTH INSPECTION SERVICE

FORM APPROVED

ANNUAL	REPORT	OF	RESEARC	H FAC	ILITY
	(TYP	E O	R PRINT)		

OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA Include Zip Code)

AMA LABORATORIES, INC 216 CONGERS RD NEW CITY, NY 10956

3. REPORTING FACILITY (	ist all focations where animals were houses	On Distriction and Destroy and American American	
shruly if necessary )	011	I or used in actual research, testing, teaching, or experimentation, or held for these pins	denotibbe foette 2020
shrels if necessary)	J'#/41.		
The second secon	<u> </u>	·	

FACILITY LOCATIONS (S.IUS)

٨	B. Number of	C Number of		E. Number of animals upon which leadning.	
Animals Covered By The Animal Wellare Regulations	animals being bired. conditioned, or hold for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	aniinals upon which leaching, rosparch, experiments, or lests were conducted involving na pain, distress, or usa of pain, relieving drugs.	D. Number of annuals upon which experiments, Inaching research, Surgery, or lests were continued involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or trangularing drugs were used.	experiments, research, surgery at tests were conducted involving occumpanying pain or distress to the animals, and for which the use of appropriate anestitute, analysis, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the loaching, research.	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	0	-0-	0
5. Cais	0	<u> </u>	$\mathcal{O}$	0-	(i)
6. Guinea Pigs	1.0	0	0		U
7. Hamsters	0	0			A
a. Rabbiis	0	0	0		0
9. Non-human Primates	D	0	Q		Ó
10. Sheep	0	(	0		0
11. Pigs	0	$\mathcal{O}$	0		0
12. Other Farm Animals	0	0	0		8
				()	
13. Other Animals	0	$\mathcal{O}$	0		0
	1		·		
				in the second	
ASSURANCE STATEMENTS				-	

- Prolessionally occeptable standards governing the care, treatment, and use of animals, including approvide use of anesthetic, analysis, and tranquitizing drugs, prior to, during, and following actual research, leaching, leating, surjury, or experimentation were inflowed by this research facility
- Each principal investigator has considered alternatives to painful procedurus
- 3) This lacility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Annual Caro and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a first explanation of the exceptions, as well as the species and number of unusuals affected.
- i) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the administry in inher aspects of unimal care and use

	CERT) (Ch	ISI EXCOUNTED	HEADQUARTES RESEARCH FACILITY OFFICIAL ficer or Legally Responsible Institutional Official) buyers true, correct, and complete (7 USC Section 2145)	
SIGNATURE OF			NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL ITYPE OF PLANT	DATE SIGNED
				9/1/199
APHIS FORM 7023	(Rupluces VS FOR	W 18-22 (OCT 90)		

(AUG 9T) (D)(6), (b)(7)(c)

(b)(6), (b)(7)(c).

413

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY 1999 (TYPE OR PRINT)

1. REGISTRAZION NO 179 SIBOI

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA unclude Zip Code) Urentreich Foundation for the

RD 2 - Box 375

455-First-Avenue (delete) USE: 855 Route 301 ColdSpring-On-Hudson, NY 10516

Status: Active

.

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary

FACILITY LOCATIONS (Siles)

See Attached

Biomedical Research Station

of Docoanah Ctation)

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accumpanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or fests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	2	6	2	0	8
7. Hamsters	130	376	0	0	376
8. Rabbits	0	0	0	0	0
9. Non-human Primates	0	0	0 .	0	00
10. Sheep	0	0	0	0	00
11. Pigs	0	. 0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals	0	0	0	0	0

#### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2140).

DATE SIGNED

11/16/99

SIGNATURE OF C.E.O.O BAL OFFICIAL NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

APHIS FORM 7023 (AUG 91)

is obsolute)

(b)(6), (b)(7)(c)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

# 1. REGISTRAZION NO 180

FORM APPROVED

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code ille College 18 Agassiz Circle 455 First Avenue Buffalo, NY 14214

Status: Active

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites) See Attached

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F. TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	32	0	32
5. Cats	0	0	40	0	40
6. Guinea Pigs	0	0	0	0	
7. Hamsters	0	0	0	0	
8. Rabbits	0	48	0		
9. Non-human Primates	0	0		Q	
10. Sheep	6	0	0	0	
11. Pigs	0	_0	0	0	
12. Other Farm Animals	0	0		Ŏ	,
13. Other Animals	0	0	0	- 0	0
		:			
				19 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

E	ATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL Executive Officer or Legally Responsible Institutional Official) entity that the above is true, correct, and complete (7 USC Section 2143)	DUNCY (c)
SIGNAT	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)  (b)(b)(7)(c)	DATE SIGNED 10/8/99

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRAZION NO 181 2170181

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Liuzzi Microbiology Laboratory, In

212 Maple Street 455 First Avenue Islip, NY 11751 Status: Active

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

FACILITY LOCATIONS (Siles)

See Attached		
212 Maple	Street	
Islip, NY	11751	

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, feaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or franquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (COIS. C + D + E)
4. Dogs	. 0	0	0	0	0
5. Cats	0	0	0	. 0	U
6. Guinea Pigs	' 0	0	0	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	0	37	0	0	37
9. Non-human Primates	0	Q	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	6
12. Other Farm Animals	0	6	0	O .	0
	, .				
13. Other Animals	0	0	0	- 0	0

#### SSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

animal care and use		
(Chief Executive Officer of	QUARTES RESEARCH FACILITY OFFICIAL (b) (6) (h) r Legally Responsible Institutional Official) one, correct, and complete (7 U.S.C. Section 2143)	770
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (b)(4) (b)(7)(c)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)  (b) (b) (c)	DATE SIGNED 9/15/99

(Replaces VS FQ -23 (OCT 88), which is obsolete)

919 856 4535

P.01/02

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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO 21-R-0185

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Vassar College

Raymond Ave, Box 731 Poughkeepsie NY 12604

2. REPORTING FACILITY (List all locations where animals were housed at used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Biology Department, Olmsted Hall Vassar

Psychology Department, Blodgett Hall Vassar

Annnais Covered By The Animal Wallare Rogulations	8. Number of onimals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of unitable upon which leaching, research, experiments, or lests were conducted involving no pein, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E Number of animals upon which teaching, experiments, research, surgery or lests were conducted involving accompunying pain or distress to the unimals and for which the use of appropriate anesthetic, analgasic, or tranquitizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these unimals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cois. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					<b></b>
11. Pigs				D. 三位在五型形式	ļ
12. Other Farm Animals			-	WOV 9 2 1999	
13. Other Animals				ДҮ:	
Gerbils	100	100		Ì	100
				San Asia	

#### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of anithuls, including upproriate use of unesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Uso Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of annuals affected.
- 1) The arrending velements for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of owned care and use

	TIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL  Thief Executive Officer or Legally Responsible Institutional Official)  I northly that the above is true, correct, and complete (7 U.S.C. Section 2143)
SIGNATURE OF O. P.O. INSTITUTE	AND NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (IVER UP PC



DATE SIGNED

11/4/99

See reverse side for additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRAZION NO 188

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Codel

465 Jordan Road

Troy, NY 12180 Status: Active

		FAC	CILITY LOCATI	ONS (Siles)		
See Attached						
PORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	(Altach adidi	lional sheets il nei	cessary or use APHIS FORM 7023A)	
Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	which extended to the conducter accompa distress to another wasthetics.	of animals upon periments, research, or tests were d involving mying pain or to the animals rhich appropriate ic, analgesic, or ting drugs were	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMA (Cols. C D + E)
. Dogs						
. Cats						
Guinea Pigs						
. Hamsters			<u> </u>			
. Rabbits		25				25
. Non-human Primates						
0. Sheep						
1. Pigs				<u> </u>		_
2. Other Farm Animals				-72	NOV 2 2 1999	
3. Other Animals				Е	Y:	
		1			<u>-</u>	

- and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEA	DQUARTES RESEARCH FACILITY OFFICIAL r or Legally Responsible Institutional Official)	
I certify that the above	is true, correct, and complete (7 U.S.C. Section 2143)	DATE SIGNED
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	11/2/00
(6)(7)(4)	CAVG CALCOYCL	1117 (77

See reverse side for additional information

Interagency Report Control No. 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO 89

FORM APPROVED

2. HEADQUARTERS RESEARCH FACILITY (Name and Audress, as registered with USDA include Zip Code) ImClone Systems Inc.

180 Varick Street 453 FICST ROOME

New York, NY 10014

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Siles) See Attached

180 Varick Street, New York; NY 10014

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	0	16			
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
			· · · · · · · · · · · · · · · · · · ·		
13. Other Animals				Ĭ	
Rats	0	16		pro to a	
Mice	00	380			
•					

1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of unimals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OR INSTITUTIONAL OFFICE

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIA

DATE SIGNED

12/2/99

See reverse side for additional information:

Interagency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO 190

Status: Active

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA nclude Zip Codel Suffolk Community College

Western Campus Crooked Hill Road Brentwood, NY 11717-1092

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles) See Attached

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  FOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	ŀ	,	- 20		20
5. Cats			30		30
6. Guinea Pigs	11	11 •			11
7. Hamsters	14	14			14
8. Rabbits	3	3		•	3
9. Non-human Primates	0				-0
10. Sheep	0				0
11. Pigs	0				0
12. Other Farm Animals					
				31	· · · · · · · · · · · · · · · · · · ·
13. Other Animals				111	
GERBILS	9	9			9
			·		
SSURANCE STATEMENTS	·				

Professionally acceptable standards governing the care, treatment, and use of animals, including apprortate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

Each principal investigator has considered alternatives to painful procedures.

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional ()fficial)

Ecertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

RE OF C.E.O. OR INSTITUTIONAL OFFICIAL

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, ANNUAL REPORT OF RESEARCH FACILITY 1 8 1989

include Zip Code) Columbus Farming Corporation

P.O. Box 1160

-Crooked Hill Road 304 STONE HOUSE ROAD

Sherburne, NY 13460 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary )

FACILITY LOCATIONS (Sites)

See Attached

STONE HOUSE ROAD

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS (Cols. C + D + E)
4. Dogs					
5. Cats				,	
6. Guinea Pigs					<u> </u>
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep	·				
11. Pigs	105	33	79	0	112
12. Other Farm Animals	. ,				
13. Other Animals				3	
		. , ,		1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	
				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

#### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O., OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIA

DATE SIGNED 1999 Novembe 154

See reverse side for additional information Interagency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

1. REGISTRAZION NO 192

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Gode) Brookhaven Science Associates

P.O. Box 5000

Bldg. 460

Upton, NY 11973-5000 Status: Active

NOV 2 9 1999

(TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) **FACILITY LOCATIONS (Sites)** 

See Attached

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	4	0	4
5. Cats			·		
6. Guinea Pigs	÷				
7. Hamsters					
8. Rabbits	0	10	0	0	10
9. Non-human Primates	0	11	0	. 0	11
10. Sheep				*	
11. Pigs					
12. Other Farm Animals					
13. Other Animals		·			
Gerbils	0	40	0	0 1	40

#### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annnal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type

DATE SIGNED

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO193

FORM APPROVED

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Rodelda Therapeutics, Inc

15 Skyline Drive Crooked Hill Road Hawthorne, NY 10532 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) FACILITY LOCATIONS (Siles)

See Attached Acorda Therapeutics 15 Skyline Drive, Hawthorne, NY 10932 REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach administrated in necessary or use APHIS FORM 7023A) E. Number of animals upon which teaching, B. Number of C Number of D. Number of animals upon experiments, research, surgery or tests were animals being animals upon which experiments, conducted involving accompanying pain or distress to the animals and for which the use of appropriate **Animals Covered** bred, which teaching, teaching, research, conditioned, or By The Animal research. TOTAL NO surgery, or tests were conducted involving held for use in anesthetic, analgesic, or tranquilizing drugs would Wellare Regulations experiments, or OF ANIMALS teaching, testing, have adversely affected the procedures, results, or tests were accompanying pain or interpretation of the teaching, research, experiments, conducted distress to the animals research, or experiments, surgery, or tests. (An explanation of (Cois. C + D + E) involving no and for which appropriate surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. used Dogs Cats 6. Guinea Pigs Hamsters Rabbits 8. Non-human Primates 9. 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals 50

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and franquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures

**ASSURANCE STATEMENTS** 

- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(Chief Executive Officer	ADQUARTES RESEARCH FACILITY OFFICIAL (1) (6), or Legally Responsible Institutional Official) is true, correct, and complete (7 USC Section 2143)	(b)(7)(c)
SIGNATURE OF C	NAME & TITLE OF C.E.Q. OR INSTITUTIONAL OFFICIAL (Type or Print)	9/30/99

APHIS FORM 7023 (Replaces VS FORM 18-23 (OCT 88), which is obsolete) (AUG 91) (b) (b) (b) (7) (c)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION 10001

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name include Zip Code).

Address, as registered with USDA

#### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Bell Laboratories 700 Mountain Ave.

Murray Hill, NJ 07974 NOV 04 1999

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional, sheets if necessary)

**FACILITY LOCATIONS (Sites)** 

Bell Laboratories, Lucent Technologies

700 Mountain Ave., Rm# 1C-423, Murray Hill. NJ 07974

/00 Mountain Av	e., Rm# 1C-4	23, Murray	Hill, NJ 07974	·	
A.			Y (Alfach adiditional sheets if ne	ecessary or use APHIS FORM 7023A)	
Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F. TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					·
6. Guinea Pigs	·				
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs	·				
12. Other Farm Animals					
13. Other Animals					
rats	20	0	200	· 🙀 0	200
zebra finch	10	0	100	r: ••••••••••••••••••••••••••••••••••••	100
gold fish	20	0	200	0	200
ASSURANCE STATEMENTS					

- 1) Professionally acceptable standards governing the care, freatment, and use of aminals, including approvale use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(b)(b) (b)(7)(c) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)

Bell Laboratories

(b)(7)(c)

DATE SIGNED

#### UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

000 - 5

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO. 22-R-005

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Code)

New Jersey Dept. of Health & Senior Services Div. of Public Health & Environmental Labs PO 360

Trenton, NJ 08625-0360

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these -purposes. Attach additional

**FACILITY LOCATIONS (Siles)** 

Laboratory Bldg. - PH & EL

Anninals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits			~		
9. Non-human Primates			7		
10. Sheep					
11. Pigs					
12. Other Farm Animals	·				
13. Other Animals		·			
ASSURANCE STATEMENTS					

- Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Fcertify that the above is true, correct, and complete (7.0.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIA



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL Type or

DATE SIGNED

-24-99

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

22-R-0009

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Novartis Pharmaceuticals Corporation 59 Route 10

East Hanover, New Jersey 07936

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

519

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

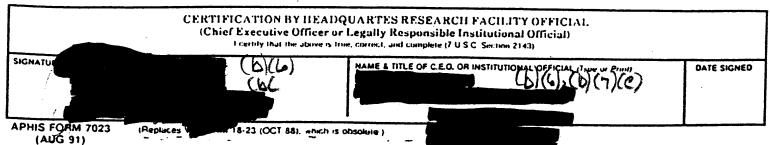
FACILITY LOCATIONS (Siles)

East Hanover, Buildings 404 & 406

PER 0 1 1999

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred. Conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs	O Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL:  (Cois. C + D + E)
4. Dogs	46	201	0	3	204
5. Cats	N/A	N/A	N/A	N/A	N/A
6. Guinea Pigs	N/A	N/A	N/A	N/A	N/A
7. Hamsters	N/A	N/A	N/A	N/A	N/A
8. Rabbits	0	612	0	66	678
9. Non-human Primates	411	278	0	18	296
10. Sheep	N/A	N/A	N/A	N/A	N/A
11. Pigs	N/A	N/A	N/A	N/A	N/A
12. Other Farm Animals	N/A	N/A	N/A	N/A	N/A
13. Other Animals	N/A	N/A	N/A	N/A	N/A
				34	
	1			Agricultural de la companya della companya de la companya de la companya della co	

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, feaching, festing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Annual Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of annuals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use



1. Registration Number: 22-R-0009

22R 0009

## OPTIONAL COLUMN E EXPLANATION FORM

## 52-WEEK ORAL GAVAGE TOXICOLOGY STUDY WITH A 4 WEEK-REC(IVERY

	•
2.	Number of animals used in this study - 40. Number of animals classified as category "E" - 3.
3.	Species (common name) of animals used in this study.
4.	Explain the procedure producing pain and/or distress.
	These dogs were dosed with a pharmaceutical compound.
	On study day 52, the first dog demonstrated decreased locomotor activity, emesis and rales, and was therefore euthanized. On study day 80, the second dog demonstrated decreased motor activity, reduced feces, emesis and labored respiration, and was euthanized. On study day 87, the third dog demonstrated decreased locomotor activity and labored respiration, and was euthanized.
m	Provide scientific justification why pain and/or distress could not be relieved. State methods or eans used to determine that pain and/or distress relief would interfere with test results. (For Federally andated testing, see question 6 below)
	As soon as there were signs indicating that an animal was experiencing pain or distress, it was euthanized.

6. What, if any, federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102 :

The general reference is 21 CFR 312.23(a)(8). This reference indicates that there are guidelines available from the FDA that describe ways in which these requirements may be met. More specific guidelines may be found in the following:

#### OPTIONAL COLUMN E EXPLANATION FORM

#### 2-WEEK ORAL RANGEFINDING TOXICOLOGY STUDY

1. Registration Number. 22-R-00	1.	Registration Number:	22-R-0009
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- 2. Number of animals used in this study 12. Number of animals classified as category "E" 4.
- 3. Species (common name) Non-human Primate of animals used in this study.
- 4. Explain the procedure producing pain and/or distress.

These primates were dosed with a pharmaceutical compound.

On study day 10 two monkeys were euthanized because they were in poor condition, thin and produced feces with blood. Over the few days prior to euthanisia the food ration consumed was decreased for these monkeys. Two other monkeys were found to have decreased food consumption, soft feces, and emesis over a period of days prior to scheduled euthanasia being performed.

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see question 6 below)

As soon as there were signs indicating that an animal was experiencing pain or distress, it was euthanized.

6. What, if any, federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):

The general reference is 21 CFR 312.23(a)(8). This reference indicates that there are guidelines available from the FDA that describe ways in which these requirements may be met. More specific guidelines may be found in the following:

## OPTIONAL COLUMN E EXPLANATION FORM

## 26-WEEK TOXICOLOGY STUDY WITH A 4-WEEK RECOVERY

1. Registration Number: 22-R-	0009			
2. Number of animals used in this stud	y – 40. Number of animals classified as category "E" - 1.			
3. Species (common name)Non-h	numan Primates of animals used in this study.			
4. Explain the procedure producing p	ain and/or distress.			
These primates were dosed with a	pharmaceutical compound.			
One primate died on study day 5 activity and tremours post dosing to other severe clinical signs in the day.	<ol><li>The animal experienced labored breathing, decreased motor his day. Although emesis was observed on day 51, there were no lys preceding death.</li></ol>			
5. Provide scientific justification why means used to determine that pain and mandated testing, see question 6 below	pain and/or distress could not be relieved. State methods or d/or distress relief would interfere with test results. (For Federally v)			
6. What, if any, federal regulations r Regulations (CFR) title number and the	equire this procedure? Cite the agency, the Code of Federal specific section number (e.g., APHIS, 9 CFR 113.102):			
The general reference is 21 CFR 312.2 available from the FDA that describe was guidelines may be found in the following	3(a)(8). This reference indicates that there are guidelines ays in which these requirements may be met. More specific g:			
) M3 Nonclinical safety studies for the conduct of human clinical trials for pharmaceuticals published in he Federal Register on November 25, 1997 (62 FR 62922)				

### OPTIONAL COLUMN E EXPLANATION FORM

### ORAL GAVAGE RISING DOSE TOXICOLOGY STUDY

Registration Number:	22-R-0009	

- 2. Number of animals used in this study 4. Number of animals classified as category "E" 1.
- 3. Species (common name)\_\_\_Non-human Primates\_\_\_ of animals used in this study.
- 4. Explain the procedure producing pain and/or distress.

These animals were dosed with a pharmaceutical compound.

On study day 10, one animal demonstrated emesis, decreased motor activity and a hunched posture, and was therefore euthanized.

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see question 6 below)

As soon as there were signs indicating that an animal was experiencing pain or distress, it was euthanized.

6. What, if any, federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):

The general reference is 21 CFR 312.23(a)(8). This reference indicates that there are guidelines available from the FDA that describe ways in which these requirements may be met. More specific guidelines may be found in the following:

#### OPTIONAL COLUMN E EXPLANATION FORM

### TWO WEEK ORAL DOSE RANGEFINDING STUDY

1.	Registration Number:	22-R-0009	
2.	Number of animals used in this	s study – 12. Number of animals classified as category "E"	" - 3.
3.	Species (common name)	Non-human Primates of animals used in this study.	

These animals were dosed with a pharmaceutical compound.

4. Explain the procedure producing pain and/or distress.

On study day 8 one monkey demonstrated emesis, labored breathing and decreased locomotor activity and was therefore euthanized. On study day 8 a second monkey demonstrated decreased locomotor activity, hunched posture and no food consumption and was euthanized. This monkey demonstrated reduced food consumption and a slight decrease in locomotor activity for two days prior to euthanasia. A third monkey was euthanized as scheduled on study. However, this animal was thin and demonstrated a decrease in food consumption and fecal output over the course of the study.

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see question 6 below)

As soon as there were signs indicating that an animal was experiencing pain or distress, it was euthanized.

6. What, if any, federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):

The general reference is 21 CFR 312.23(a)(8). This reference indicates that there are guidelines available from the FDA that describe ways in which these requirements may be met. More specific guidelines may be found in the following:

### OPTIONAL COLUMN E EXPLANATION FORM

#### IV RISING DOSE TOXICOLOGY STUDY

I. Registration Number:	22-R-0009	

- 2. Number of animals used in this study 2. Number of animals classified as category "E" 1.
- 3. Species (common name)\_\_\_\_Non-human Primates\_\_\_ of animals used in this study.
- 4. Explain the procedure producing pain and/or distress.

These animals were dosed with a pharmaceutical compound.

One animal was euthanized as scheduled for the study on day 19. However, this animal demonstrated decreased locomotor activity, hunched posture and labored respiration on study day eight and slight clincial signs on days nine and ten. Compound administration was stopped for 7 days, and then resumed on day 15. There were no additional signs of pain or distress.

- 5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see question 6 below)
- 6. What, if any, federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):

The general reference is 21 CFR 312.23(a)(8). This reference indicates that there are guidelines available from the FDA that describe ways in which these requirements may be met. More specific guidelines may be found in the following:

22 R 000 9

#### OPTIONAL COLUMN E EXPLANATION FORM

#### IV RISING DOSE TOXICOLOGY STUDY

1.	Registration Number:	22-R-0009	
2.	Number of animals used in th	is study – 4. Number of an	imals classified as category "E" - 2.
3.	Species (common name)	_Non-human Primates	of animals used in this study.

4. Explain the procedure producing pain and/or distress.

These animals were dose with a pharmaceutical compound.

One animal demonstrated muscle tremors on study day 10, and vocalization and muscle tremors on study day 11. No other significant clinical observations were made and the animal was euthanized as scheduled on study day 15. A second animal demonstrated clinical signs including muscle tremors, salivation and decreased locomotor activity on day nine. There were no significant clinical observations, thereafter, and so the animal was euthanized as scheduled on day 15.

- 5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see question 6 below)
- 6. What, if any, federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):

The general reference is 21 CFR 312.23(a)(8). This reference indicates that there are guidelines available from the FDA that describe ways in which these requirements may be met. More specific guidelines may be found in the following:

#### OPTIONAL COLUMN E EXPLANATION FORM

#### 2-WEEK IV TOXICOLOGY STUDY

		`	
1.	Registration Number:		22-R-0009

- 2. Number of animals used in this study 24. Number of animals classified as category "E" 6.
- 3. Species (common name) Non-human Primates of animals used in this study.
- 4. Explain the procedure producing pain and/or distress.

These animals were dosed with a pharmaceutical compound.

One animal in the high dose group was found dead on study day 4. The other five animals in this dose group demonstrated a decrease in food consumption and fecal oputput over three days prior to being euthanized.

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see question 6 below)

As soon as there were signs indicating that an animal was experiencing pain or distress, it was euthanized.

6. What, if any, federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):

The general reference is 21 CFR 312.23(a)(8). This reference indicates that there are guidelines available from the FDA that describe ways in which these requirements may be met. More specific guidelines may be found in the following:

#### OPTIONAL COLUMN E EXPLANATION FORM

### EMBRYO-FETAL DOSE RANGE FINDING DEVELOPMENT STUDY IN RABBITS

2.	umber of animals used in this study – 12. Number of animals classified as category "E" -	1.

3. Species (common name)\_\_\_\_Rabbits\_\_\_ of animals used in this study.

22-R-0009

4. Explain the procedure producing pain and/or distress.

These animals were dosed with a pharmaceutical compound.

One animal was found moribund and euthanized.

1. Registration Number:

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see question 6 below)

As soon as there were signs indicating that an animal was experiencing pain or distress, it was euthanized.

6. What, if any, federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):

The general reference is 21 CFR 312.23(a)(8). This reference indicates that there are guidelines available from the FDA that describe ways in which these requirements may be met. More specific guidelines may be found in the following:

- 1) M3 Nonclinical safety studies for the conduct of human clinical trials for pharmaceuticals published in the Federal Register on November 25, 1997 (62 FR 62922).
- 2) Guideline on detection of toxicity to reproduction for medicinal products published in the Federal Register on September 22, 1994 (FR 48746).

#### OPTIONAL COLUMN E EXPLANATION FORM

### EMBRYO-FETAL DOSE RANGE FINDING DEVELOPMENT STUDY IN RABBITS

1.	Registration Number:	22-R-0009		
2. Number of animals used in this study – 36. Number of animals classified as category "E" - 9.				
3.	Species (common name)	Rabbits of animals used in this study.		
4.	Explain the procedure producing pain and/or distress.			

These animals were dosed with a pharmaceutical compound.

Seven animals were found dead on this study. The other two categorized as category "E" experienced soft stool and decreased fecal output for the two days prior to being euthanized.

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see question 6 below)

As soon as there were signs indicating that an animal was experiencing pain or distress, it was euthanized.

6. What, if any, federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):

The general reference is 21 CFR 312.23(a)(8). This reference indicates that there are guidelines available from the FDA that describe ways in which these requirements may be met. More specific guidelines may be found in the following:

- 1) M3 Nonclinical safety studies for the conduct of human clinical trials for pharmaceuticals published in the Federal Register on November 25, 1997 (62 FR 62922).
- 2) Guideline on detection of toxicity to reproduction for medicinal products published in the Federal Register on September 22, 1994 (FR 48746).

#### OPTIONAL COLUMN E EXPLANATION FORM

#### EMBRYO-FETAL DOSE-RANGE FINDING DEVELOPMENT STUDY IN RABBITS

1.	Registration Number:	22-R-0009
2.	Number of animals used in this	s study – 36. Number of animals classified as category "E" - 26.
3.	Species (common name)	Rabbits of animals used in this study.

4. Explain the procedure producing pain and/or distress.

These animals were dosed with a pharmaceutical compound.

Twenty-six animals on this study demonstrated decreased food consumption and no fecal output. Nine of these animals were euthanized due to the clinical signs. The others were euthanized as scheduled by the study.

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see question 6 below)

As soon as there were signs indicating that an animal was experiencing pain or distress, it was euthanized.

6. What, if any, federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):

The general reference is 21 CFR 312.23(a)(8). This reference indicates that there are guidelines available from the FDA that describe ways in which these requirements may be met. More specific guidelines may be found in the following:

- 1) M3 Nonclinical safety studies for the conduct of human clinical trials for pharmaceuticals published in the Federal Register on November 25, 1997 (62 FR 62922).
- 2) Guideline on detection of toxicity to reproduction for medicinal products published in the Federal Register on September 22, 1994 (FR 48746).

### OPTIONAL COLUMN E EXPLANATION FORM

# AN EXPLORATORY EMBRYO-FETAL DEVELOPMENT DOSE RANGE-FINDING STUDY

1.	Registration Number:	22-R-0009
2.	Number of animals used in thi	s study – 100. Number of animals classified as category "E" - 25.
3.	Species (common name)	_Rabbits of animals used in this study.
4.	Explain the procedure produ	cing pain and/or distress.
Th	ese animals were dosed with	a pharmaceutical compound.

and chewing, and increased respiration. These signs were not considered so severe that intervention was necessary.

This compound has expected pharmacologic signs. These animals demonstrated dilated pupils, biting

- 5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see question 6 below)
- 6. What, if any, federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):

The general reference is 21 CFR 312.23(a)(8). This reference indicates that there are guidelines available from the FDA that describe ways in which these requirements may be met. More specific guidelines may be found in the following:

- 1) M3 Nonclinical safety studies for the conduct of human clinical trials for pharmaceuticals published in the Federal Register on November 25, 1997 (62 FR 62922).
- 2) Guideline on detection of toxicity to reproduction for medicinal products published in the Federal Register on September 22, 1994 (FR 48746).

## OPTIONAL COLUMN E EXPLANATION FORM

# A MODIFIED ORAL EMBRYO-FETAL DEVELOPMENT DOSE RANGE-FINDING STUDY

1.	Registration Number:	22-R-0009
2.	Number of animals used in thi	s study – 10. Number of animals classified as category "E" - 2.
3.	Species (common name)	_Rabbits of animals used in this study.
4.	Explain the procedure produ	cing pain and/or distress.
Th	ese animals were dosed with	a pharmaceutical compound.
	o animals demonstrated diarrimals and they were euthanize	hea for three days. There were no further clincial signs noted on these ed as scheduled.
me	•	n why pain and/or distress could not be relieved. State methods or ain and/or distress relief would interfere with test results. (For Federally 5 below)
		tions require this procedure? Cite the agency, the Code of Federal and the specific section number (e.g., APHIS, 9 CFR 113.102):
av		312.23(a)(8). This reference indicates that there are guidelines ribe ways in which these requirements may be met. More specific ollowing:
1)	•	s for the conduct of human clinical trials for pharmaceuticals published

2) Guideline on detection of toxicity to reproduction for medicinal products published in the Federal

Register on September 22, 1994 (FR 48746).

## OPTIONAL COLUMN E EXPLANATION FORM

# AN ORAL EMBRYO-FETAL DEVELOPMENT STUDY

Registration Number:	22-R-0009
2. Number of animals used in thi	s study – 12. Number of animals classified as category "E" - 3.
3. Species (common name)	_Rabbits of animals used in this study.

4. Explain the procedure producing pain and/or distress.

These animals were dosed with a pharmaceutical compound.

Three animals demonstrated moderate to severe clinical signs such as recumbency, ataxia and tactile hypersensitivity, and were therefore euthanized.

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see question 6 below)

As soon as there were signs indicating that an animal was experiencing pain or distress, it was euthanized.

6. What, if any, federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):

The general reference is 21 CFR 312.23(a)(8). This reference indicates that there are guidelines available from the FDA that describe ways in which these requirements may be met. More specific guidelines may be found in the following:

- 1) M3 Nonclinical safety studies for the conduct of human clinical trials for pharmaceuticals published in the Federal Register on November 25, 1997 (62 FR 62922).
- Guideline on detection of toxicity to reproduction for medicinal products published in the Federal Register on September 22, 1994 (FR 48746).

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO 10

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

include Zip Code) Cyanamid Foundation for Agri. Devl PO Box 400

> Quakerbridge Road Princeton, NJ 08543-0400

Status: Active

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

See Attached

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon wexperiments, research, sur conducted involving accor to the animals and for whi anesthetic, analgesic, or II have adversely affected the interpretation of the teach experiments, surgery, or It the procedures producing animals and the reasons a must be affached to this re-	gety or tests were ppanying pain or distress to the use of appropriate anquilizing drugs would e procedures, results, or ing, research, sts. (An explanation of pain or distress in these uch drugs were not used	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	5	0	0		0	0
5. Cats				,		
6. Guinea Pigs	19	53	0		0	53
7. Hamsters						
8. Rabbits	53	161	39		30	230
9. Non-human Primates						
10. Sheep						
11. Pigs	·					
12. Other Farm Animals			,			
13. Other Animals				٠, ،		
Gerbils	230	5081	0		32	5113
					:	
					·	

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the
  principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In
  addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

(Chief Executive Officer or I	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) s, correct, and complete (7 U S C. Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
	(b)(6), 1b)(7)(C)	Nr. 6/99

USDA Annual Report – 1999 Cyanamid Foundation for Agricultural Development Registration Number 22-R-0010

3. Reporting Facility (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes.)

Agricultural Research Buildings #200 & #300 Quakerbridge Road Princeton NJ 008543-0400 - MOV - - 1853.

Wyeth Ayerst Research 865 Ridge Road Monmouth Junction, NJ 08852

USDA Annual Report – 1999 Cyanamid Foundation for Agricultural Development Registration Number 22-R-0010

The 32 gerbils reported in Category E were used in efficacy testing of experimental compounds for *in vivo* anthelmintic activity. After receiving test doses of the experimental compounds, these 32 gerbils unexpectedly developed signs of toxicity including but not limited to seizures, labored breathing, or moribundity. These animals were identified during daily monitoring and were immediately removed from the test and humanely euthanized. Because the interval between onset of signs and observation could not be determined, an assumption has been made that these 32 gerbils could have experienced more than transient pain or distress.

This protocol was reviewed and approved by the Institutional Animal Care and Use Committee.

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USDA Annual Report - 1999 Cyanamid Foundation for Agricultural Development Registration Number 22-R-0010

\_\_ NOV 1 5 1999 \_

# Explanation of Column E Entry

The 30 rabbits listed in Column E were used for ocular irritation studies. These studies were performed using the Guidelines published in the Federal Register, 43 FR 37336, part 163-81-4 (ocular irritation). The data provided by these studies is used to evaluate the toxic and irritant potential of novel proprietary compounds. This information is an integral part of the product submission packets provided to federal and foreign governmental agencies.

The concurrent administration of other chemicals, including analgesic and anesthetic compounds, to the test animals has the potential to mask or alter adverse signs. In addition, the administration of other chemicals might interact with the test articles. Either effect would interfere with the proper evaluation of the test results.

The criteria used to determine column E entry is based on the Draize<sup>1</sup> scoring system. Any animal in a primary eye irritation study that has a score of 3 or more for either corneal opacity or conjunctival irritation (redness or swelling, discharge is excluded) and/or an iris score of 2 at anytime during the course of the study are placed in column E.

These studies were reviewed and approved by the Institutional Animal Care and Use Committee.

<sup>&</sup>lt;sup>1</sup> Draize, H.J., Appraisal of the Safety of Chemicals in Foods, Drugs and Cosmetics, Assoc. of Food and Drug Officials of the United States, 3<sup>rd</sup> Printing, 1975, page 51.

See reverse side for additional information Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

22-R-0012

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

ETHICON, INC. P.O. BOX 151

08876-0151 SOMERVILLE, NJ

DEC 02 1899

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites) ETHICON, INC.

P.O. BOX 151

SOMERVILLE, NJ 08876

B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animats upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animats and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
0		3*		3
18		50*		50
,	·			
		431*		431
		·		· · · · · · · · · · · · · · · · · · ·
3 Dogs,	6 Rabbits	420 Pigs were	involved in terminal operativ	е
procedures.		·		
	animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.  O  18  18  Animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.  O  18  18  18  18  10  Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.  O  3*  18  18  50*  Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	animals being bred, conditioned, or held for use in teaching, testing experiments, research, or surgery but not yet used for such purposes.  O

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91)

PART 1 - MEADOHARTERS

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.) (り)(り)(り(り)(し)

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See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 13 22 RODI3

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

include Zip Code) Worldwide Mobile Veterinary Unit

8 Fox Hunt Drive Quakerbridge Road Rockaway, NJ 07866

Status: Active

DEC 0 2 1999

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See Attached

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary.)
 FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adultional sheets if necessary or use APHIS FORM 7023A) B. Number of Number of animals upon which teaching, Number of Number of animals upon experiments, research, surgery or tests were animals being animals upon which experiments, **Animals Covered** bred. which leaching, conducted involving accompanying pain or distress leaching, research, to the animals and for which the use of appropriate conditioned, or By The Animal research TOTAL NO. surgery, or tests were held for use in anesthetic, analgesic, or tranquilizing drugs would experiments, or Wellare Regulations conducted involving OF ANIMALS have adversely affected the procedures, results, or interpretation of the leaching, research, teaching, testing, iesis were accompanying pain or experiments, conducted distress to the animals research, or experiments, surgery, or tests. (An explanation of involving no and for which appropriate (Cols. C + D + E) surgery but not yet used for such pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or animals and the reasons such drugs were not used use of paintranquilizing drugs were purposes. relieving drugs. must be attached to this report). Dogs Cats Guinea Pigs Hamsters Rabbits 9. Non-human Primates 10. Sheep 40 40 11. Pigs 12. Other Farm Animals 13. Other Animals

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of aniesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(Chief Executive Officer or	QUARTES RESEARCH FACILITY OFFICIAL r Legally Responsible Institutional Official) ne, correct, and complete (7 USC Section 2143)	
SIGNATURE OF C F.O. OR INSTITUTIONAL OFFICIAL (b)(b) (b)(7)(c)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)  (b) (6)  (c) (7)(C)	DATE SIGNED

ASSURANCE STATEMENTS

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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

22-R-0016

FORM APPROVED OMB NO 0579-0036

## ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO.

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA,

Johnson & Johnson Research Foundation Johnson & Johnson Consumer Products, Inc. 199 Grandview Road, Skillman, NJ 08558-9418

1. REPORTING FACILITY (List all locations where animals were housed or used in actuel research, lesting, teaching, or asperimentation, or held for these purposes. Atlach additional Sheets if necessary.)

FACILITY LOCATIONS (Siles)

same as registrant

A. Animals Coverad By The Animal Welfars Regulations	B. Number of animals being bred. constitioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or less were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Nomper of airmals upon which experiments, teaching, research, surgery, release were curducted involving accompanying pain or distress to the airmals and for which appropriate anisthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery of tests were conducted invulving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analysisic, or tranquitizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this reports.	F.  TOTAL NO OF ANNAALS  (Cols. C + D + E)
4. Dogs					
5. Cals					
6. Guinea Pigs		138			138
7. Hamsters		363			363
8. Rapbits		404			404
9. Non-human Primates					
10. Sheep					
11. Pios		18	116		134
12. Other Farm Animals					
13. Other Animals					
,				- 18	
		-		et e la	

- Prolessionally acceptable standards governing the core, treatment, and use of animals, including approximate use of anesthetic, analgesic, and transpulsiving drugs, prior to during and following actual research, leaching, lesting. Surgery, or exportmentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to pointul proce-
- 3) This facility is adhering in the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- can for this research lacifily has appropriate authority to ensure the provision of adequate veterinary care and to giversed the administry of other aspects of 4) The Allending ve ununal Care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL ITYPE W. Printle

DATE SIGNED

See reverse side for additional information

Interagency Report Control No 0180-00A-AN

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sheets if necessary)

**ASSURANCE STATEMENTS** 

(AUG 91)

See Attached

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRAZION NO 20

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA unclude Zip Gode) University of Medicine & Dentistry

185 S. Orange Avenue

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)	185 S. Orange Avenue MSB A-604 Newark, NJ 07103-2714 Status: Active
	Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach administrates in necessary or use APHIS FORM 7023A) Number of animals upon which feaching, B Number of E. C Number of D. Number of animals upon animals upon animals being experiments, research, surgery or tests were which experiments, which leaching, conducted involving accompanying pain or distress **Animals Covered** bred. leaching, research, surgery, or lests were to the animals and for which the use of appropriate conditioned, or research, By The Animal TOTAL NO experiments, or Welfare Regulations held for use in anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS conducted involving have adversely affected the procedures, results, or teaching, testing, lesis were accompanying pain or interpretation of the teaching, research, experiments. conducted distress to the animals involving no research, or experiments, surgery, or tests. (An explanation of (Cols. C + and for which appropriate the procedures producing pain or distress in these surgery but not pain, distress, or D + E) anesthetic, analgesic, or yet used for such use of painanimals and the reasons such drugs were not used tranquilizing drugs were purposes relieving drugs must be attached to this report). used 38 38 Dogs 83 83 Cats 0 0 Guinea Pigs 8 Hamsters 211 219 154 154 8. Rabbits Non-human Primates 0 0 10. Sheep 114 114 11. Pigs 0 0 12. Other Farm Animals 13. Other Animals 4 76 Gerbils 80

- Professionally acceptable standards governing the care, freatment, and use of animals, including approvale use of anesthetic, analgesic, and franquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending vetermarian for this research facility has appropriate authority to ensure the provision of adequate vetermary care and to oversee the adequacy of other aspects of animal care and use

	(Chief Executive Officer o	QUARTES RESEARCH FACILITY OFFICIAL r Legally Responsible Institutional Official) rue, correct, and complete (7 USC Section 2143)	
SIGNATURE OF C.E	official (b)(6) (b)(7)(L)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Punt)	DATE SIGNED 11/17/99
APHIS FORM 7	(Replaces VS 4 18-23 (OCT 88), which is	s obsolete )	11/1///

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO 20

FORM APPROVED

2. HEADQUARTERS RESEARCH FACILITY (Name and Address. as registered with USDA unclude Zip Code) University of Medicine & Dentistry

185 S. Orange Avenue

MSB A-604

Newark, NJ 07103-2714

Status: Active

**一、地区可有实现**不可 3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or half-lot these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

See Attached

BY:----

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.)					
	B. Number oly/ animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate aneishetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (COIS. C + D + E)
		· ·	38		38
4. Dogs			83		83
5. Cats			0		0
6. Guinea Pigs 7. Hamsters		8	211		219
8. Rabbits			154		154
9. Non-human Primates			2		2
10. Sheep			0		0
11. Pigs			114		114
12. Other Farm Animals	·		0		0
13. Other Animals					
Frogs Ebil 1991		X			12
Gerbils		4	76		80
					<u> </u>

# ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

	(Chief Ex	xecutive Officer	DQUARTES RESEARCH FACILITY OFFICIAL or Legally Responsible Institutional Official) s time, correct, and complete (7 USC Section 2143)	
SIGNATURE OF C	THE WAL OFFICIAL	(b)(b)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL TYPE BY PUBL (7)(C)	DATE SIGNED
		(PC.Har)		11/17/99

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

1. REGISTRATION NO

FORM APPROVED

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Princeton University

Office of Research & Projects

P.O. Box 36

Status: Active

NOV 2 9 1999

Princeton, NJ 08544-0036

(TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles) See Attached

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					ļ
5. Cats	0	0	20	0	20
6. Guinea Pigs					
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	31	0	31
9. Non-human Primates	5	0	28	0	28
10. Sheep					
11. Pigs					ļ
12. Other Farm Animals			-		<del> </del>
13. Other Animals	s			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Gerbils	0	0	14	0	14
Persmyscus	0	780	0	<b>1</b> 0	780
Squirrels	0	9	0	0	9

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to pamful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the rins nouncy is adjecting to the standards and regulations index the case, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is affached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use.

(Chief Executive (	( HEADQUARTES RESEARCH FACILITY OFFICIAL.  Officer or Legally Responsible Institutional Official)  above is true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O NSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
•	(h)(7)(c)	11/24/99

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

See reverse side for

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

FORM APPROVED 22R0028 OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA Include Zip Code)
Bristol-Myers Squibb Company

P.O. Box 4000 PO Box 1059

Princeton, NJ 08543-4000 Status: Active

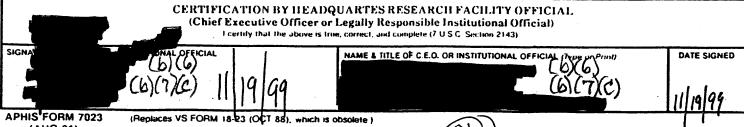
NOV 2 9 1999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, lesting, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Siles) See Attached LAWRANCEVILLE, NJ Facility Site #1

A.  Animals Covered  By The Animal  Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in feaching, festing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching. experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or fests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cois. C +  D + E)
4. Dogs		28	141		169
5. Cats		3 <b></b>	_		0
6. Guinea Pigs		143	984		1127
7. Hamsters		438	328		766
8. Rabbits	·	206	543		749
9. Non-human Primates		180	82		262
10. Sheep		-			0
11. Pigs		0	15		15
12. Other Farm Animals		_	<u> </u>		0
Ferret	· ·	0	9		9
13. Other Animals					
				•	

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, lesting, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending vetermanum for this research facility has appropriate authority to ensure the provision of adequate vetermany care and to oversee the adequacy of other aspects of annual care and use



(AUG 91)

See reverse side for additional information

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO. 22-R-0030

22R003

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Merck and Company, Inc.

126 E. Lincoln Avenue

P.O. Box 2000 Rahway, NJ 07065-0900

NOV 2.9 1999

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

**FACILITY LOCATIONS (Siles)** 

See Attached

Site Nos. 001, 002, 014, and 019.

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred. Conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	596	846	0	1,442
5. Cats	1	21	28	· 0	49
6. Guinea Pigs	32	103	1,250	0	1,353
7. Hamsters	57	4,797	. 0	0	4,797
8. Rabbits	0	1,128	1,380		2,508
9. Non-human Primates	0	2	704	0	706
10. Sheep	76	86	0	0	86
11. Pigs	0	0	80	0	80
12. Other Farm Animals					
Cattle	0	45	0	0	45
13. Other Animals		,			
Ferrets	2	0	1	0	1
Gerbils	42	16	130	0	146
	<u> </u>				
ASSURANCE STATEMENTS					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

Die state the state of the stat	(Chief Executive Officer or L	JARTES RESEARCH FACILITY OFFICIAL  egally Responsible Institutional Official)  correct, and complete (7 U.S.C. Section 2143)	
(PA) (PA)(C)	SIGNATURE OF C.E.O. OF INSTITUTIONAL OFFICIAL (b)(6) (b)(7)(c)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED 11/22/99

See reverse side for additional information Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRAJION NO.30 22 R 0030

FORM APPROVED OMB NO 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT
OF RESEARCH FACILITY
(TYPE OR PRINT)

HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code), Merck and Company, Inc.

126 E. Lincoln Avenue

P.O. Box 2000

Rahway, NJ 07065-0900 Status: Active NOV 2.9 1999

REPORT OF ANIMALS USED BY O	DANIES CONTROL OF		(AH) - 1 (A)	and the factor h	
Animals Covered By The Animal Welfare Regulations  12. &/OR 13. Other (List by species)	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analyesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
12. Continued					
Goats	0	0	. 2	0	2
Horses	0	43	. 0	0	43
		·.			
		·			
		· ·			
	<u> </u>				
			<u> </u>		-
· · · · · · · · · · · · · · · · · · ·		,			
			<del>                                     </del>		
	<del> </del>				
	<u> </u>			EL TH	

### **ASSURANCE STATEMENTS**

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (6)(6), (6)(7)(6) NA

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/22/99

APHIS FORM 7023A (AUG 91 ) (b)(b), (b)(7)(c)

PART 1 - HEADQUARTERS

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 30 22 ROO 30

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code).

include Zip Code)
Merck and Company, Inc.

126 E. Lincoln Avenue P.O. Box 2000

Rahway, NJ 07065-0900 Status: Active NOV 29 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

FACILITY LOCATIONS (Siles)

See Attached

Site No. 20

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or fests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (COIS. C + D + E)
4. Dogs		reseving drugs.	used		
5. Cats	;			•	
6. Guinea Pigs	55	3726	159	0	3885
7. Hamsters		,			
8. Rabbits	48	1222	0	0	1222
9. Non-human Primates	45	2	16	0	18
10. Sheep					
11. Pigs					
12. Other Farm Animals					
Horses		2	1	0	3
13. Other Animals					
		•		E	

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)
I metable that the abouncie term present and computate (7.11 C.C. Control 21.42)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

10/21/99

APHIS FORM 7023 (AUG 91)

E.O. OR INSTITUTE

(b)(6), (6)(7)(C)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

					ATTACHMENT 1 (Pa	age 1 of 2)
'.2-R-0030	Site:	001	Merck Research Laboratories		22R 003	_
· .	Status:		Headquarters Research Facility			, , ,
•			126 E. Lincoln Avenue Rahway, NJ 07065-0900			~ M
			County: Union		•	reductions (b)(b)
		•				(b)(b)
· · · · ·	Site: Status:		Merck & Co., Inc. Branchburg Farm		Contact Person:	(B(7) (E)
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	203 River Road Somerville, NJ 08876 2 9	1999		
			Somerville, NJ 08876 5 6 9 County: Somerset	1000		
					•	
	Site:		Merck Sharp & Dohme Res. Labs		Contact Person:	NE
	Status:	Deleted	Building 26 West Point, PA 19486			
			County: Montgomery			
		•				
	Site:		Merck Pharm. Manu. Division		Contact Person:	NE
	Status:	Deleted	Building 30, Wing A West Point, PA 19486			
			County: Montgomery			
	Site:	005 Deleted	Merck Pharm. Manu. Division Building 30, Wing B		Contact Person:	NE
	Jeacus.	Deteteu	West Point, PA 19486			
•			County: Montgomery			
						· · · · · · · · · · · · · · · · · · ·
	Site: Status:	006 Deleted	Merck Pharm. Manu. Division Building 30, Wing C		Contact Person:	NE
		•	West Point, PA 19486			
			County: Montgomery			
	Site:	007	Merck and Company, Inc.		Contact Person:	NE
		Deleted	Merck Pharm. Manu. Division			
			Elkton, VA 22827 County: Rockingham			
	Site:	008 Deleted	INTERx Research Division 2201 West 21st Street		Contact Person:	NE
	status:	peteted	Lawrence, KS 66047			
			County: Douglas			
•	Site: Status:	009 Deleted	Merck Sharp & Dohme Res. Labs Building 43		Contact Person:	NE NE
			West Point, PA 19486			
			County: Montgomery			
			•			•

Site: 010 Status: Deleted Merck Sharp & Dohme Res. Labs Building 45 West Point, PA 19486 County: Montgomery

Contact Person:

NE

(Page 2 of 2) ATTACHMENT 1 R0030 Site: 011 Merck Sharp & Dohme Res. Labs Status: Deleted **Building 51** West Point, PA 19486 County: Montgomery all redaction Site: 012 Merck Sharp & Dohme Res. Labs Contact Person: Status: Deleted Building 44-C West Point, PA 19486 County: Montgomery Site: 013 Merck Sharp & Dohne Res. Lab. Contact Person: NE Status: Deleted **Building 59** West Point, PA 19486 County: Montgomery NOV 2.9 1999 Site: 014 Barton's West End Farms, Inc. Contact Person: Status: Active RD 1 - Box 391 Oxford, NJ 07863 County: Warren Site: 015 Merck Sharp & Dohme Res. Labs Contact Person: NE " Status: Deleted Building #44 Merck and Company, Inc. West Point, PA 19486 County: Montgomery 908-594-4000 Site: 016 White Eagle Laboratories Contact Person: NE . Status: Deleted 2003 Lower State Road Inc. Merck and Company Doylestown, PA 18901 County: Bucks 908-594-4000 Merck & Co., Inc. Site: 017 Contact Person: ΝE Status: Active 6498 Jade Road DELETED Fulton, MO 65251 SEPT. 1997 County: Cedar Site: 018 Merck & Co., Inc. Contact Person: NE Status: Deleted P. O. Box 6100 Springdate, AR 72766 County: Dallas Contact Person:

NE

NE

Contact Person:

Site: 019 Status: Active

Merck Research Laboratories

WP 44-201 . .

West Point, PA 19486 County: Montgomery

Site: 020 Status: Active

Merck Manufacturing Division WP 74-1, 30A & 30C West Point, PA 19486 County: Montgomery

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 22-R-0031

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Newark Beth Israel Medical Center

201 Lyons Avenue

P.O. Box 2000

Newark, NJ 07112

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

See Attached Newark Beth Israel Medical Center 201 Lyons Avenue, Newark, N.J. 07112

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	5	· 0	35	0	35
5. Cats	N/A				
6. Guinea Pigs	N/A				
7. Hamsters	N/A				·
8. Rabbits	N/A				
9. Non-human Primates	N/A				
10. Sheep	N/A				
11. Piqs		0	4	0	4
12. Other Farm Animals	N/A				
13. Other Animals	N/A				
					,

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

(Chief Exe	ecutive Officer or L	JARTES RESEARCH FACILITY OFFICIAL  egally Responsible Institutional Official)  correct, and complete (7 USC Section 2143)	5(7)(C)
SIGNATURE S.E.O. OR INSTITUTIONAL OFFICIAL	(b) (c) (b)(r)(c)	Cb)(G, (b) (7)(c)	DATE SIGNED

This report is required by law (7 USC 2143). Follure to report according to the regulations can result in an order to coase and itness) and to be subject to penalties as provided for in Section 2150.

See reverse side for

Interagency Report Control No

2. HEADQUARTERS RESEARCH FACILITY (Namo and Address, as registered with USDA

0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL A'ID PLANT HEALTH INSPECTION SERVICE

22R003

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPIDRT OF RESEARCH FACILITY TYPE OR PRINT)

Mextran Company

303-B College Road East

340 Kingsland Street

Princeton, NJ 08540

Status: Active

3. REPORTING PACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

-Sec Attached

MILLFIELD SWING FACILITY, 9925 Mc DOVENERA

A				CUSSUV OF USE APHIS FORM (073A.)	
Animals Covered By The Animal Welfare Regulations	B Number of animals being bred, conditioned, or held for use in leaguing, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of annihils upon which teaching, recearch, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	Number of Animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the unimals and for which the use of appropriate anneshatic, analgesic, or tranquinzing drings would have adversely affected the procedures, results, or interpretation of the teaching, research, exportments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	TOTAL NO OF ANIMAL (Cois, C D + E)
4. Dogs					
5. Cats					·
6. Guines Pigs					
7. Hamsiers					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs	207	125	750		875
12. Other Farm Animals					
13. Other Animals					
					·····
		·		A. 18	
					·

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approximate use of anestholic, analysists, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, studency, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to panilul procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to this standards and regulations be specified and explained by the principal investigator and approved by the Institutional Annual Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying it a IAISUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarish for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of unimal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I comity that the above is true, correct, and complete (7 U.S.C. Seption 2143)

DATE SIGNED

10/6/99

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

VS FORM 18-23 (OCT 88), which is obsolute ]

APHIS FORM 7023

(AUG 91)

Faxed Copy

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and direct and to be unforced to pounding at provided for in Section 2150.

Cas reverse and for additional information

Interagency Report Control No 0180-DQA-AN

United States Department of Agriculture Animal and Plant Health Inspection Service

1, REGISTRATION NO. 003 22-R-037

FORM APPROVED GMB NO. 0570-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUANTERS RESEARCH FACILITY Plants and Adulpes, at registered with USDA include Zip Code)

Rider University 2083 Lawrenceville Road Lawrenceville, NJ 08648

752

3. REPORTING PACILITY (Lies all lacations where animals were housed in actual research, recting, teaching, or exportmentation, or held for these guiposes. Attach additional sheels if necestary )

FACILITY LOCATIONS (5-194)

Science and Technology Center

Animak Covered Oy The Asimal Weller Regulations	B humber of determined being over, conditioners, or heal for use in leaching, lealing, experiments, research, or surgery but not yet used to such purposes.	C number of animals upon which reaching, research, experiments, or lests were conducted involving no pun, distress, of upo of powers lesting drugs of some reflexing drugs.	O. Number of animals upon which experiments, learning research. Surgery, or lests were conducted anothing accompanying pain or distress to the animals and to which appropriate analitetic, analgests, or isauguisang drugs were need.	E. Number of animals upon which readning.  E. Number of animals upon which readning.  appointments, research surgery or reals were conducted involving accomplanying pain or districts in the animals and for which the line of appropriate uncellated, analysiste, or reading drugs would have advarsely effected the procedures, results, or interpretation of the reaching, resource, appropriation of the reaching, resource, appropriation of the reaching and or districts in three animals and the reasons such usuge were not used must be attached to this report).	TOTAL NO OF ANIMALS  (COIR. C + D + S)
4. Dogs					
5. Çajs					<del> </del>
8. Guinos Pigs					
7. Hamators		·			-
8. Rabbits					-
9. Non-human Primates					
10. Sheep					-
11. Pras					
12. Other Farm Animals					<del>                                     </del>
13. Other Animais			<u> </u>		180
Spiny mice	240	180	0	0	100

### ASSURANCE STATEMENTS

- Professionally succeptuals standards governing the case, freetinest, and use of amous, including appreciate use of aresthesic, analysing, and transpurency drugs, prior to, during, and islaming actual research, reaching, lessing. Surpery, or exposions with wholese by the research spenty
- 2). Cach principal investigator has countdered attemptives to paulid proceeds
- The family is adhered to the standards and registrines when the Aut. and it has received that exceptions to the abundance and requisition by specified and experient and approved by the Instituted Amend Give and lies Commisses (InCUC). A parentary of all such exceptions is attached to this annual report. Is principal investigator and approved by the Instituted Amenda Give and lies Commisses (InCUC). A parentary of all such exceptions is attached to this annual report. In addition to the complete and dentitying the Incut of the specific and number of unimals alrested.
- 4) The attacking retermination for this resource further has asymmetric analysis of another of adequate elements care and its resource further has asymmetric are and use

Chief Werentlye Officer	DQUARTES RESEARCH FACILITY OFFICIAL or Logally Responsible Institutional Official) strum cornet, and complete (7 USC Section 2143)	
SIGNAPURE DE CALO DE INSTITUTIONAL OPEIGIAL (b)(6)	NAME & TITLE OF C.S.O. OR INSTITUTIONAL OFFICIAL (Tring or Print)	DATE SIGNED
(b)(7)(c)	(6), (7)(c)	12-3-99

APHIS FORM 7023 (AUG 91)

(Hublicos VS PORM 18-23 (OCT 86), which is obsolute)

Interugency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 38 22R 0038

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)
Bracco Research USA Inc.

P.O. Box 5225 305 College Road East 340 Kingsland Street Princeton, NJ 08540 Princeton, NJ 08543-5225

Status: Active

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adultional sheets if necessary or use APHIS FORM 7023A) E. Number of animals upon which teaching, B. Number of C Number of D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments, Animals Covered bred. conducted involving accompanying pain or distress which leaching, leaching, research, to the animals and for which the use of appropriate By The Animal conditioned, or research, surgery, or lesis were TOTAL NO. held for use in-Welfare Regulations experiments, or anesthetic, analgesic, or tranquilizing drugs would conducted involving OF ANIMALS leaching, lesting, have adversely affected the procedures, results, or lests were accompanying pain or experiments, interpretation of the teaching, research, conducted distress to the animals involving no experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these research, or (Cols. C + D + E) and for which appropriate surgery but not pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used vet used for such use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. 4. Dogs 5. Cats Guinea Pigs Hamsters Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals

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- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

(Chief Executive Officer I certify that the above is	DQUARTES RESEARCH FACILITY OFFICIAL. (b) (b), (c), or Legally Responsible Institutional Official) (c), true, correct, and complete (7 USC Section 2143)	(1)(4)
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL  (A) (7)  ARMIS FORM 7022	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)  (b) (6)  (b) (7)(C)	16/5/99

**ASSURANCE STATEMENTS** 

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NOO41 22ROO4

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Becton Dickinson and Co.

One Becton Drive 340 Kingsland Street Franklin Lakes, NJ 07417-1880

Status: Active

1 PEROPTING FACILITY II AND ALL OF THE PROPERTY OF THE PROPERT

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

**FACILITY LOCATIONS (Siles)** 

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach admillional sheets if necessary or use APHIS FORM 7023A.) B. Number of Number of Number of animals upon which teaching, E. D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments, bred, conducted involving accompanying pain or distress **Animals Covered** which teaching, teaching, research, to the animals and for which the use of appropriate By The Animal conditioned or research, surgery, or lesis were TOTAL NO. held for use in Wellare Regulations experiments, or anesthetic, analgesic, or tranquilizing drugs would conducted involving OF ANIMALS teaching, testing, have adversely affected the procedures, results, or tests were accompanying pain or experiments. interpretation of the teaching, research, conducted distress to the animals research, or experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these involving no (Cols. C + D + E) and for which appropriate surgery but not pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were purposes relieving drugs must be attached to this report). used 0 4. Dogs 0 Cats 0 0 40 1990 Guinea Pigs 1990 0 Hamsters 0 12 584 24 8. Rabbits 608 Non-human Primates 0 U 0 Sheep 0 51 11. Pigs 0 12. Other Farm Animals 0 13. Other Animals 0 2600 200 2600 **ASSURANCE STATEMENTS** 

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(Chief Executive Officer or	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) e, correct, and complete (7 U.S.C. Section 2143)
SIGNA E.O. OR INSTITUTIONAL OFFICIAL (6) (6)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)  DATE
(6)(7)(6)	(b)(6), (b)(7)(c) 9/30/9

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

See reverse sale for additional information Interagency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO043

FORM APPROVED

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

See Attached

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) is, Inc.

New Jersey Division 165 Fieldcrest Avenue Edison, NJ 08837 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary) FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OF	LINDER CONTROL OF	BESEARCH FACILITY	(Attach ada	idional sheets if ne	eces	sury or use APHIS FORM 7023A)	
A.  Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number which extraction surgery conduct accomplications and for anesthern	ut animals upon xperiments, g, research, , or tests were ted involving annying pain or to the animals which appropriate stic, analgesic, or lizing drugs were	Ε.	Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or fests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	F.  TOTAL NO OF ANIMALS  (COIs. C + D + E)
4. Dogs					$\downarrow$	· · · · · · · · · · · · · · · · · · ·	
5. Cats					$oldsymbol{\perp}$		500
6. Guinea Pigs	14	541			1	58	597
7. Hamsters				3:1	$\downarrow$		11.7
8. Rabbits	40	1089		36	$\downarrow$	42	1167
9. Non-human Primates					$\downarrow$		
10. Sheep					+		
11. Pigs					+		
12. Other Farm Animals	·				-		
13. Other Animals					$oxed{I}$	,	
			<u> </u>		$\bot$	N 72	
			<u> </u>		1		
ASSURANCE STATEMENTS							

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
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4) The attending vetermanan for this research facility has appropriate authority to ensure the provision of adequate vetermary care and to oversee the adequacy of other aspects of  $\frac{1}{2}$ .

annual care and use	3 6 1953	
1 /ChinE Runnitiva (111) car	OQUARTES RESEARCH FACILITY OFFICIAL or Legally Responsible Institutional Official) true, correct, and complete (7 U.S.C. Section 3143)	
(b)(6) (b)(7)(c)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (VIDE OF SIGN) (6)(6) (6)(7)(C)	DATE SIGNED

(AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolute )



# **Celsis Laboratory Group**

22R0043

November 30, 1999

Dr. Elizabeth Goldentyer

USDA, APHIS

New Jersey Division 920 Main Campus Drive, Suite 200, Unit 3040

Raleigh, NC 27606 165 Fieldcrest Avenue

Edison, NJ 08837

Re: Attachment, Annual Report of Research Facility Prepared and signed December 1, 1999

732 • 346 • 5100

Registration Number: 22-R-004

research, experiments, surgery or tests.

Fax

Telephone

732 • 346 • 5115

website

www.celsislabs.com

email clg@celsis.com Guinea Pigs:

The procedure follows the standard protocol used by the industry and described in the literature (\*). The animals received an injection of a 50% dilution of Freund's Complete Adjuvant, v.v.

Line 6 Number of animals upon which experiments, teaching, research, surgery or tests were conducted involving accompanying pain or distress to the animals and to which appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results or interpretation of the teaching,

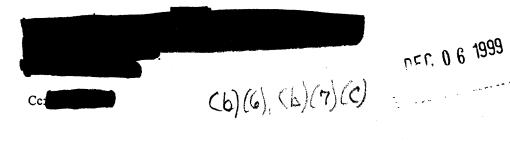
The USDA has stated that the use of Freund's adjuvant may result in the presence of pain, distress or discomfort. No pain or distress was recorded for any of the animals used; however the resulting reaction may have created slight discomfort which could not be accurately measured. The use of drugs would have compromised the normal physiological animal reaction thereby jeopardizing the integrity of the study.

- Marzulli, F.N. and Miabach, H.I., Dermatotoxicity, third edition, 1987
- Magnusson, B. and Kligma, A.M., Allergic Contact Dermatitis in the Guinea Pig, 1970
- OECD-406

### Rabbits:

The animals listed in section E were rabbits placed on Ocular or dermal irritation studies. The study procedures followed standard protocols used in industry. When reactions were evaluated that indicated more than momentary pain or distress to the animals, the studies were terminated.

The use of anesthetics/ analgesics would add an unknown variable or interfere with the test article and are not recommended by regulatory agencies.



See reverse side for additional information Interagency Report Control Ny 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO 22-R0050

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Codel

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

SGS U.S. Testing Co., Inc. 291 Fairfield Avenue Fairfield, NJ 07004

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

SGS U.S. Testing Co., DEC 0 1 1999

75 Passaic Avenue, Fairfield, NJ 07004

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO OF ANIMALS  (COIS. C + D + E)
4. Dogs	N/A				
5. Cats	N/A				
6. Guinea Pigs	0	692	0	116	808
7. Hamsters	N/A				
8. Rabbits	0	759	2	105	866
9. Non-human Primates	N/A				
10. Sheep	N/A				
11. Pigs	N/A				-
12. Other Farm Animals	N/A -			,	
13. Other Animals	N/A				

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

C	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
	(Chief Executive Officer or Legally Responsible Institutional Official)

Ficertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

**APHIS FORM 7023** (AUG 91)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)



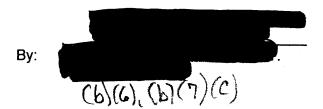
Registration #22-R-0050

## **COMMENTS, APHIS FORM 7023**

- A. The 116 guinea pigs that experienced pain without benefit of analgesics or anesthetic during tests were used in the Kligman Skin Sensitization tests required for the compliance with the Federal Hazardous Substance Act Regulation, the Federal Insecticide, Fungicide and Rodenticide Act regulation and the Toxic Substance Control Act regulation. The concomitant use of analgesic, anesthetic or tranquilizing drugs in these procedures, according to these regulations, would have adversely affected the interpretation of the results.
- B. The 105 rabbits that experienced pain without benefit of general analgesics or anesthetics during tests were used in eye and primary skin irritation studies required for the compliance with the Federal Insecticide, Fungicide and Rodenticide Act regulation and the Toxic Substance Control Act regulation. The concomitant use of analgesic, anesthetic or tranquilizing drugs in these procedures, according to these regulations, would have adversely affected the interpretation of the results.

It is the policy of the Toxicology Laboratory to use the minimum number of animals necessary to ascertain hazards associated with chemical insult for any sample tested. The welfare of laboratory animals used in toxicologic studies is an integral part of our laboratory policy. Test substances are flushed from the eye or removed from the skin site as soon as possible without compromising the test protocol. Animals receive local anesthetics, topical antibiotics and the best care available post-testing if chemical insult is minor. The Study Director examines all animals involved in studies where a test article is rated a severe eye or skin irritant. Euthanasia by lethal injection of pentobarbital is performed if an animal is suffering.

C. There were no IACUC-approved exception(s) to the regulations or standards.



11/24/98 Date

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.64

22ROCO

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Ortho-Clinical Diagnostics, Inc.

Regulatory & Clinical Affairs

1001 U.S. Highway 202 Raritan, NJ 08869 Status: Active

- 1	Ω	1
•	~	
•	"	$\sim$

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional FACILITY LOCATIONS (Siles)

Herlingbrook Equire Traina Carter 1001 VS Huy 202 001 002 REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach autilitional sheets if necessary or use APHIS FORM 7023A.) B. Number of C Number of D. Number of animals upon animals upon experiments, research, surgery or tests were animals being which experiments, which leaching, conducted involving accompanying pain or distress bred. **Animals Covered** leaching, research, surgery, or lests were conditioned, or to the animals and for which the use of appropriate TOTAL NO By The Animal research. Welfare Regulations held for use in anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS experiments, or conducted involving have adversely affected the procedures, results, or teaching, testing, lests were accompanying pain or interpretation of the teaching, research experiments. conducted distress to the animals experiments, surgery, or tests. (An explanation of research or (Cols. C + D + E) involving na and for which appropriate the procedures producing pain or distress in these surgery but not pain, distress, or anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. used Dogs Cats Guinea Pigs Hamsters 50 1251 8. Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals Moats O 13. Other Animals

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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL TYPE OF PURIL

DATE SIGNED

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 32K000 22-R-0065

FORM APPROVED OMB NO. 0579-0036

NOV 08 1999 ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

8203

Science Hall

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

William Paterson University of New Jersey 300 Pompton Road

Wayne, NJ U7470

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) **FACILITY LOCATIONS (Sites)** 

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adjultional sheets if necessary or use APHIS FORM 7023A) Number of Number of animals upon which teaching, Number of Number of animals upon animals being experiments, research, surgery or tests were animals upon which experiments, conducted involving accompanying pain or distress bred, which leaching, **Animals Covered** teaching, research, to the animals and for which the use of appropriate By The Animal conditioned, or research, TOTAL NO. surgery, or tests were conducted involving anesthetic, analgesic, or tranquilizing drugs would held for use in Welfare Regulations experiments, or have adversely affected the procedures, results, or interpretation of the teaching, research, teaching, testing, tests were accompanying pain or distress to the animals experiments. conducted experiments, surgery, or tests. (An explanation of (Cols. C + D + E) research, or involving no and for which appropriate the procedures producing pain or distress in these surgery but not pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were purposes. relieving druas. must be attached to this report). U Dogs Ü Cats Guinea Pigs U Hamsters Ü Rabbits U 9. Non-human Primates Ü 10. Sheep Ũ 11. Pigs Ú 12. Other Farm Animals Ü 13. Other Animals WE MAINTAINED ONLY LABURATORY MICE & RATS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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animai care and use.		
(Chief Executive Of	HEADQUARTES RESEARCH FACILITY OFFICIAL ficer or Legally Responsible Institutional Official) above is true, correct, and complete (7 U S C Section 2143).	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (A)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
(b)(7)(C		10-27.99
	(b)(b), (b)(7)(c)	4
APHIS FORM 7023 (Poplares VS FORM	which is obsolute )	

(AUG 91)

**ASSURANCE STATEMENTS** 

UNITED STATES	DEPARTMENT OF	AGRICULTURE	.71	4:56	1777	-
ANIMAL AND PLA	NT HEALTH INSPE	ECTION SERVICE	و	کے	丛	V

OCT 25 199

1: REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA incided Zip Code)

University of Medicine & Dentistry of NJ Robert Wood Johnson Medical School 675 Hoes Lane, Vivarium, RB01

Piscataway, NJ 08854-5635

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

See attached

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO OF ANIMAL  (COIS. C D + E)
4. Dogs	2	1	98		99
5. Cats			4		4
6. Guinea Pigs			2		2
7. Hamsters		79			79
8. Rabbits	6		293		293
9. Non-human Primates					
10. Sheep					
11. Pigs			76		7.6
12. Other Farm Animals			2		2
13. Other Animals					
					: :

### SURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(Chief Executive Officer or I certify that the above is true	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) e, correct, and complete (7 U.S.C. Section 2143)	(a), (b)(7)(c)
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (D)(G), (b)(7)(C)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)  (6)(6)  (1)(7)(	DATE SIGNED 1921/99

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

I. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Consumer Product Testing Co., Inc.

70 New Dutch Lane

Fairfield, NJ 07004

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary

FACILITY LOCATIONS (Siles)

(Same as #2)

RACK KOCHOLINA

A	B. Number of	C Number of	<del> </del>	ecessary or use APHIS FORM 7023A.)  E. Number of animals upon which teaching.	<del></del>
Animals Covered By The Animal Wellare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	F.  TOTAL NO OF ANIMAL:  (Cols. C + D + E)
4. Dogs		·			
5. Cats					
6. Guinea Pigs	74	2523	0	48	2571
7. Hamsters	4	30	0	18	48
8. Rabbits	2	840	0	441	1281
9. Non-human Primates					
10. Sheep					
11. Piqs					***
12. Other Farm Animals					
13. Other Animals			,		
				. 75	

### 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

10/15/99

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolute )

(AUG 91)

Facility Registration Number: 22-R-0069

NOV 08 1999

The animals listed in Column E of APHIS Form 7023 included 48 gainea pigs, 18.....hamsters and 441 rabbits. The rabbits and hamsters were used on irritation studies. These studies are used to determined the dermal, ocular or oral mucosa irritation potential of the articles tested. The guinea pigs were used on sensitization studies. These studies were used to determine the sensitization potential of the products tested.

In all cases the "procedures producing pain or distress" were either the injection of an adjuvant or the application of an irritating substance to the animal(s) in question. The sponsors of these studies had indicated that the use of anesthetics or analgesics may have interfered with the interpretation of the test results.

As a contract facility, we are not always aware of the nature of the articles being tested and rely upon our sponsors to responsibly determine the appropriateness of use of anesthetics and/or analgesics.

At the USDA's suggestion, we have included in Column E animals exhibiting maximum irritation scores in the above mentioned study types but not necessarily having exhibited behavioral responses normally associated with pain or distress. In cases where an animal had exhibited a behavioral response normally associated with pain or distress, the response was no more than momentary but the procedure was recorded as "painful" nonetheless.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 22-R0075

FORM APPROVED OMB NO. 0579-0015

# CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Gibraltar Laboratories, Inc. Fairfield, NJ 07004-2405 Status - Active

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiklitional sheets if necessary or use this form.)					
A. Animals Covered By The Animal Welfare Regulations  12. &/OR 13. Other (List by species)	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
1. Guinea Pigs	13	126	0	213	339
2. Rabbits	7 .	1	2	352	355
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- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

(Chief Executive Officer or Legally Responsible Institutional Official)  I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).		
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (6)(6)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (T)	

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

4IS FORM 7023A ''IG 91 )

**ASSURANCE STATEMENTS** 

(b) (6), (b) (7)(c)

PART 1 - HEADQUARTERS



# GIBRALTAR LABORATORIES, INC.

Ouality research & regulatory testing services since 1970

22R 0075

GIbraltar Laboratories, Inc. 122 Fairfield Road

Fairfield, NJ 07004

Tel: (973) 227-6882 Fax: (973) 227-0812 DEC 01 1999

Registration #: 22-R-0075

## Section E - Explanation

- 1. Guinea Pig Maximization and Split-Adjuvant tests were performed on 213 guinea pigs which required light excoriation of the skin and injection of Freund's Complete Adjuvant. These procedures are performed to maximize the response of the test animals to potential allergens to increase the sensitivity and accuracy of the assays. The use of anesthetic and analgesic agents was avoided for these animals because usage of such agents has the potential to alter the results of the test by cross-reacting with the test material. Compromise of the immune systems of these animals was also a concern. These methods are referenced in ISO 10993, Section 10 Tests for Irritation and Sensitization.
- 2. 352 rabbits were considered to have experienced transient pain as a result of the application of light epidermal abrasions administered during the course of Primary Dermal Irritation tests and Dermal Toxicity tests performed for the Consumer Product Safety Commission (CFR 16, part 1500), or were injected multiple times during USP 23 Biological Reactivity Tests, *In-Vivo* (chapter 88). If used in an irritation test, anesthetics and analgesics have the potential to effect the level of observable irritation and may cross-react with the test material. In a dermal toxicity test, administration of such agents may produce additional stress on the liver and other vital organs of the rabbit and produce a higher level of toxicity than is inherent in the test material and were therefore not used.

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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

# ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

See Attached

1. REGISTRATION NO.76

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code)
Camden County College

PO Box 200 College Drive

Blackwood, NJ 08012 > NOV 0 4 1999

Status: Active

D.V.

<ol> <li>Sheets if necessary.)</li> </ol>	sed in actual research, testing, teaching,	, or experimentation, or held for these purposes	. Attach additional
	FACILITY LOCATIONS (Siles)	•	

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach admittional sheets if necessary or use APHIS FORM 7023A.) B. Number of Number of animals upon which teaching, C Number of D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments, Animals Covered bred, conducted involving accompanying pain or distress to the animals and for which the use of appropriate which leaching, teaching, research, conditioned, or By The Animal Welfare Regulations research, surgery, or lesis were TOTAL NO. held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would conducted involving OF ANIMALS teaching, testing, have adversely affected the procedures, results, or lests were accompanying pain or experiments. conducted interpretation of the teaching, research, distress to the animals research, or involving no experiments, surgery, or tests. (An explanation of (Cols. C + D + E) and for which appropriate surgery but not yet used for such pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or use of painanimals and the reasons such drugs were not used tranquilizing drugs were purposes. relieving drugs must be attached to this report). used 0 4. Dogs O 0 Cats 0 Guinea Pigs 0  $\cap$ Hamsters 8. Rabbits Non-human Primates O 10. Sheep ٥ 11. Pigs 0 Other Farm Animals 13. Other Animals Chickens 0 0 19 **ASSURANCE STATEMENTS** 

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

	(Chief Executive Officer	or Legally Respon	CARCH FACILITY OFFICIAL sible Institutional Official) ete (7 U.S.C. Section 2143)	(7)(c)
SIGNATURE OF C.E.O. OR INSTITUTION	Cb/(7/Cc)	NAME & TITLE OF	CEO. OR INSTITUTIONAL OFFICIAL THROUGH PUMP	DATE SIGNED
APHIS FORM 7023 (Repla	ices VS FORM 18-23 (OCT 88), which	is obsolete ) / // //	1 state of the sta	<del></del>

(AUG 91)

College

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

22R0082

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Product Safety Labs., Inc.

725 Cranbury Road

- Gollogo Drivo-

East Brunswick, NJ 08816

Status: Active

190

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM 7023A.) B. Number of C Number of E. Number of animals upon which teaching, D. Number of ammals upon animals being animals upon experiments, research, surgery or tests were which experiments, conducted involving accompanying pain or distress bred. **Animals Covered** which leaching, teaching, research, conditioned, or to the animals and for which the use of appropriate research. By The Animal surgery, or lests were TOTAL NO. Wellare Regulations anesthetic, analgesic, or tranquilizing drugs would held for use in experiments, or conducted involving OF ANIMALS teaching, testing, have adversely affected the procedures, results, or lesis were accompanying pain or experiments, conducted interpretation of the teaching, research, distress to the animals (Cols. C + D + E) research, or involving no experiments, surgery, or tests. (An explanation of and for which appropriate surgery but not the procedures producing pain or distress in these pain, distress, or anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. used Dogs Cats Guinea Pigs Hamsters 106 Rabbits Non-human Primates

### ASSURANCE STATEMENTS

GERBILS

12. Other Farm Animals

13. Other Animals

10. Sheep

1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility

220

- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)

(b)(6)

(b)(7)(6)

DATE SIGNED

11/30/19

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

Registration Number: 22-R-0082



# ATTACHMENT TO USDA/APHIS ANNUAL REPORT OF RESEARCH FACILITY EXPLANATION OF COLUMN "E" ENTRIES

130 Rabbits - Eye Irritation Test (OPPTS 870.2400): A total of six of these animals vocalized following instillation of the test compound but immediately became calm after they were returned to their cage. Therefore, anaesthetic was not considered. Although, the remaining animals did not exhibit overt signs of pain or distress, they exhibited ocular irritation scores above an arbitrary threshold and were considered to be in pain as a result of their exposure to the test compound. Although in the eye irritation test, ocular anaesthetic may be used prior to instillation, repeated or prolonged use would retard healing and possibly lead to collateral irritation and/or subsequent corneal infection. Therefore, ocular anesthetic was not used.

**26 Rabbits – Skin Irritation Test (OPPTS 870.2500):** All animals exhibited eschar and/or corrosion at the dose site, which could indicate possible necrosis of the skin. In all cases, the area of exposure and subsequent skin damage was  $\leq 1$  in<sup>2</sup>. Continuous or prolonged use of topical or systemic anesthetic during skin irritation studies was not considered appropriate since it could lead to increased irritation and delayed healing. The use of analgesics would be inappropriate for these studies due to their anti-inflammatory effects. If used they could significantly alter the effects of the test compound.

11 Guinea Pigs — Buehler Sensitization Test (OPPTS 870.2600): Similar to the skin irritation test noted above, these animals exhibited eschar and/or corrosion at the dose site, which could indicate possible necrosis of the skin. In all cases, the area of exposure and subsequent skin damage was ≤1 in². Continuous or prolonged use of topical or systemic anesthetic during Sensitization tests was not considered appropriate as it could lead to study complications including increased irritation and delayed healing. The use of analgesics would be inappropriate for these studies due to their anti-inflammatory effects. If used they could significantly alter the effects of the test compound.

13 Guinea Pigs — Antigenicity Test (USP 23): All animals demonstrated severe sensitization and/or anaphylaxis upon intravenous exposure to the positive control or test substance(s), and died as a result of the study treatment. As sensitization and anaphylaxis are the necessary biological responses (endpoints) of sensitization in these studies, prophylactic treatment with compounds intended to alleviate the sensitization and anaphylactic responses would be counter indicative.

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Code) Nabi sco, Inc.

200 DeForest Avenue

College Drive

East Hanover, NJ 07936-1944

**BAR** 

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)

See Attached

REPORT OF ANIMALS USED BY	OR UNDER CONTROL OF	RESEARCH FACILITY	(Altach adiditional sheets if ne	ecessary or use APHIS FORM 7023A)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	0	132	0	0	132
5. Cats	0	53	0	0	5
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					,
9. Non-human Primates					
10. Sheep					
11. Pigs	-				
12. Other Farm Animals					-
13. Other Animals			<u> </u>		
	•			,	

### **ASSURANCE STATEMENTS**

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### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRAZION NO094

22 R00

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as regislered with USDA, include Zip Code) Blomatrix, Inc.

1125 Pleasant View Terrace

P.O. Box 8

Ridgefield, NJ 07657

NOV 0 8 1999

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites) See Attached

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMAL:  (Cols. C +  D + E)
4. Dogs				· · ·	
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates	198		95	·	95
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
***					
		-		મ	•

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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/5/99

SIGNATU O OR INSTITUTIONAL OFFICIAL



See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRAJION 19899 22RU099

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Gode)
University of Medicine & Dentistry

2 Medical Center Drive

-P.O. Box 8-

Stratford, NJ 08084

Status: Active

(TYPE OR PRINT)

ANNUAL REPORT OF RESEARCH FACILITY

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

See Attached
Science Center

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					0
5. Cats			·		_0
6. Guinea Pigs					0
7. Hamsters		-			0
8. Rabbits				·	0
9. Non-human Primates					. 0
10. Sheep					0
11. Pigs					0
12. Other Farm Animals				•	0
13. Other Animals					0
				H	

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, feaching, festing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(Chief Executive Officer or	QUARTES RESEARCH FACILITY OFFICIAL (b) (c), (b) Legally Responsible Institutional Official) ne, correct, and complete (7 U S C Section 2143)	(7)CC)
SIGNATURE O. OR INSTITUTIONAL OFFICIAL (L)(L) (L)(7)(C)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)  (b) (c)	DATE SIGNED

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO. 22-R-0104 22

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Center for Molecular Med & Timuno

520 Bellville Avenue

Bellville, NJ 07109 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles) See Attached

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	Enterestary or use APHIS FORM 7023A.)  E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL:  (Cols. C + D + E)
4. Dogs					,
5. Cats		·		,	
6. Guinea Pigs					
7. Hamsters	·				
8. Rabbits					
9. Non-human Primates				·	
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
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				1!	
					-0-

### **ASSURANCE STATEMENTS**

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(Chief Executive Officer or	QUARTES RESEARCH FACILITY OFFICIAL (6), (6), (6) Legally Responsible Institutional Official) ne, correct, and complete (7 U.S.C. Section 2143)	(7)(C)
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (b)(6) (b)(7)(C)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)  (b) (c), (b) (7)	10-21-99

1. REGISTRATION NO. 22-X-0108

22R0108

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
EXXON Biomedical Sciences, Inc.

Mettlers Road

CN 2350

East Milistone, NJ 08875-2350

Status: Active

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

See Attached FACILITY LOCATIONS (Siles)

A	B. Number of	C Number of		cessary or use APHIS FORM 7023A.)  E. Nuinber of animals upon which feaching.	·
Animals Covered Sy The Animal Wellare Regulations	animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes	animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs	D. Number of animals upon which experiments, taching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pein or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					-
5. Cats					-
6. Guinea Pigs	0	366	0	8	374
7. Hamsters	-				-
8. Rabbits	0	79	0	7	86
9. Non-human Primates	_				_
10. Sheep	_				_
11. Pigs	_				_
12. Other Farm Animals	-			. 4 NOV 2. 2 1999	
	-			BY:	
13. Other Animals	_			D II.	-
					-
	-			22	_
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- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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(Chief Executive	Y HEADQUARTES RESEARCH FACILITY OFFICIAL Officer or Legally Responsible Institutional Official) ne above is true, correct, and complete (7 U.S.C. Section 2143)	
ARMIS FORM 2000	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)  (b)(6)  (b)(7)(C)	DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

Bec

# Attachment to Exxon Biomedical Sciences Inc. Annual Report of Research

Two study types were identified as potentially producing pain or distress in rabbits or guinea pigs at Exxon Biomedical Sciences, Inc. (EBSI) during the 1998 - 1999 APHIS census year. Both study types followed accepted regulatory or international test guidelines (OECD 405 and 406) and were conducted for regulatory purposes. These study types and the related procedures are listed below:

Ocular Irritation Studies: Involved the administration of 0.1 ml or 0.1 grams of test substance into conjunctival sac of the rabbit eye. The rabbits were then observed daily until termination.

Guinea Pig Sensitization Studies: Involved an intradermal injection of the test material in Freund's complete adjuvant to the clipped scapular area followed by a topical administration of the test material over the injection sites in an attempt to induce sensitization. All animals were topically challenged on a naive clipped site after a two-week rest period following the induction phase. The animals were observed daily and evaluated for dermal irritation 24 and 48 hours after all applications of the test substance.

Because the measure of pain in animals can not always be determined with certainty, the criteria listed in Appendix A were used for determining pain or distress for rabbits or guinea pigs used for the above study types conducted at EBSI. These criteria, revised in 1997, are consistent with the definition of "painful procedures" defined in 9CFR, Subchapter A, Animal Welfare, Part 1 as well as scientific literature on the subject. The revised criteria developed in 1997 were in response to specific comments made by USDA during a January 1997 inspection, and upon the review of our IACUC.

Between October 1, 1998 and September 30, 1999, 8 animals were considered to exhibit some degree of pain or distress based on the criteria listed above. The following is a list of the number of animals considered possibly to be in pain or distress and the reason for the pain or distress.

# of Animals	Reason for possible pain or distress	8 Y: .		
5 Rabbits	Conjunctival redness score of "3" - Ocular Irri	tation Studies	3	
2 Rabbits	Conjunctival redness score of "3" and chemos Ocular Irritation Studies	is score greate	er than "2" -	
1 Guinea Pig	Irritation score of "3" - Guinea Pig Sensitization	on Studies		
7 Guinea Pigs	Emaciated - Guinea Pig Sensitization Studies			

None of the animals listed above were treated for pain or distress. However, the guinea pigs that were emaciated were given water dishes and moistened food.

### Attachment to Exxon Biomedical Sciences Inc. Annual Report of Research (cont'd)

The animals were not treated for pain or distress because the effects of anesthetic agents on the study outcome were not known. In ocular irritation tests, recovery is a key endpoint of the study. Anesthetic agents may affect this recovery process. In guinea pig sensitization tests, the animals must be observed for a designated period of time and in some instances be rechallenged to generate meaningful data. Also, in the ocular irritation studies where the animals received only a single exposure, any pain or distress that may have occurred did not persist or progress, *i.e.*, the responses observed in the studies were transient. The Study Directors for each of these study types were aware of the effects seen in the animals and monitored the animals' health.

### Summary of 1998 - 1999 USDA Animal Usage

Species	# Animals used	# Animals with pain
Rabbits	86	. 7
Guinea Pigs	374	8

NOV 9 9 1999

References:

EY:----

Mroczek, N. S. Recognizing Animal Suffering and Pain. Lab Animal Volume 21, Number 9: 27-31, 1992

OECD, Organization for Economic Cooperation and Development, Guidelines for the Testing of Chemicals, Test Guideline 405, 1987.

OECD, Organization for Economic Cooperation and Development, Guidelines for the Testing of Chemicals, Test Guideline 406, 1992.

Report of the Laboratory Animal Science Association Working Party. The assessment and control of the severity of scientific procedures on laboratory animals. *Laboratory Animals* 24: 97-130

22R0108

### Attachment to Exxon Biomedical Sciences Inc. Annual Report of Research (cont'd)

### Appendix A

### Signs of Pain and Distress Clinical Signs

The following are considered clear signs of animals in pain or distress.

Convulsions

Coarse Tremors

Dyspnea

Respiratory Arrhythmia

Hyperpnea

Hypopnea

Wet rales

Emaciation

Hypothermia

Abdominal Griping

Prolapsed uterus

Prolapsed rectum

Teeth Grinding

Dystocia

Ranting (other than momentary)

Foot stomping (other than momentary)

Additionally, any animal that can not access its food or water will be considered an animal in pain or distress.

### **Dermal Irritation**

Erythema score of "4" (Draize scale)

Dermal irritation score of "3" (Buehler scale)

Dermal sore/ulceration

Fissuring .

Edema score greater than "2" (Draize scale)

Eschar

Necrosis

Blanching (full depth)

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E Y: ....

### Ocular Irritation

Conjunctival redness score of "3"

Conjunctival necrosis

Iris score of "2"

Blistering conjunctiva

Protruding cornea

Corneal dye retention indicative of ulceration

Conjunctival chemosis score greater than "2"

Conjunctival ulceration

Corneal opacity score greater than "2"

Ruptured eye

**Pannus** 

The following are considered subjective signs of animals in pain or distress. The observation of any one of these signs would not be considered sufficient to consider an animal in pain or distress. However, the occurrence of these signs with other related clinical signs may be considered a sign of pain or distress. The Study Director will make the determination of whether an animal with these signs was in pain or distress.

Ataxia

Fine Tremors

Piloerection

Aggressive

Ranting

Foot stomping

Teeth chattering

Vocalizing

Abdominal Staining

Cyanosis

Unthrifty coat

Small amount of stool

No stool

Distended abdomen

Food consumption Decrease

Red ocular discharge

1. REGISTRATION NO.

22-110 22-R-0110

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) Reeves Surgical Laboratory

OCT 1 A

PUCZ

100 Madison Avenue

Morristown, New Jersey 07962-1956

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM 7023A) B. Number of C Number of Number of animals upon which teaching, D. Number of animals upon animals being animals upon which experiments, experiments, research, surgery or tests were Animals Oovered By The Animal bred, conducted involving accompanying pain or distress which leaching, teaching, research, conditioned, or to the animals and for which the use of appropriate research. surgery, or tests were conducted involving TOTAL NO. Wellare Regulation held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS teaching, testing, tests were have adversely affected the procedures, results, or accompanying pain or experiments, interpretation of the teaching, research, conducted distress to the animals research, or involving no and for which appropriate experiments, surgery, or tests. (An explanation of (Cols. C + D + E) surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or used for such animals and the reasons such drugs were not used use of paintranquitizing drugs were purboses. relieving drugs. must be attached to this report). Dogs Cats Guinea Pigs Hamsters Rabbits Non-human Primates Sheep 11. Pigs Other Farm Animals 13. Other Animals

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures

**ASSURANCE STATEMENTS** 

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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (b)(6), (b)(7) (Chief Executive Officer or Legally Responsible Institutional Official)  Legally that the above is true, correct, and complete (7 U.S.C. Section 2143)	(C)
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)  (b) (c)  (b) (7) (c)	DATE SIGNED
APHIS FORM 702 (Replaces VS FORM 18-23 (OCT 88), which is obsolete ) (AUG 91)	7 - 1

1. REGISTRATION NO.

FORM API OMB NO (

P.O. Box 71 ANNUAL REPORT OF RESEARCH FACILITY

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registere unclude Zip Code) Cosomopolitan Safety Evaluation, I

Lafayette, NJ 07848 Status: Active

(TYPE OR PRINT)

sheets if necessary) FACILITY LOCATIONS (Sites) See Attached REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach activitional sheets if necessary or use APHIS FORM 7023A)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Atta

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and lor which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing than or distress in these animals and the reasons (soci drugs were not used must be affached to this proof).
4. Dogs	0	0	0	
5. Cats	0	0	0	0/
6. Guinea Pigs	0	160	0	.6
7. Hamsters	. 0	0	0	€ 0
8. Rabbits	28	173	0	15
9. Non-human Primates	0	0	0	. 0
10. Sheep	0	0	0	0
11. Piqs	0	0	0	. 0
12. Other Farm Animals	0	0	0	0
13. Other Animals	0	0	0	0

### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, freatment, and use of animals, including approvate use of anesthetic, analgesic, and tranquilizing drugs, pr and following actual research, teaching, festing, surgery, or experimentation were followed by this research facility
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.Q NAL-OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

**APHIS FORM 7023** (AUG 91)

22 R 0115

## Optional Column E Explanation Form

This form is intended as an aid to completing the Column E explanation.	It is not an official form
and its use is voluntary. Names, addresses, protocols, veterinary care pr	ograms, and the like, are
not required as part of an explanation. A Column E explanation must be understood by lay persons as well as scientists.	written so as to be
personal and the second	

	•.					•		
1. Regi	stration Numl	oer:	22-R-0	115				
2. Num	ber	15		_of ani	mals used	in this s	xxdy. yea	r.
3. Speci	es (common na	ime) <u>Ral</u>	bit	_of ani	mals used	l in this 🕸	XXXI. yea	r.
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gency_	EPA OPPTS		C	fr	870.2400		<del></del>	

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

See Attached

1. REGISTRATION NO 16

FORM APPROVED

2 HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) XenoBiotic Laboratories, Inc.

107 Morgan Lane

CN 2350

Plainsboro, NJ 08536

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)

	•							
REPORT OF ANIMALS USED BY	OR UNDER	CONTROL O	F RESEARCH FACILIT	Y (Attach ad	Inditional sheets if n	ecessary or use APHIS F	ORM 7023A)	-
Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or		animals being bried, conditioned, or held for use in leaching, testing, experiments, or surgery but not yet used for such		per of animals upon a experiments, ing, research, ry, or tests were octed involving panying pain or ss to the animals or which appropriate helic, analgesic, or utilizing drugs were	E. Number of animals experiments, resea conducted involvin to the animals and anesthetic, analges have adversely alterinterpretation of the experiments, surge the procedures pro	Is upon which teaching, arch, surgery or tests were ing accompanying pain or distress of for which the use of appropriate esic, or tranquilizing drugs would tected the procedures, results, or he teaching, research, ery, or tests. (An explanation of roducing pain or distress in these easons such drugs were not used.	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs		<u> </u>	7		)	(	$\mathcal{O}$	7
5. Cats	'	1						
6. Guinea Pigs								
7. Hamsters							1	
8. Rabbits								
9. Non-human Primates				i				
10. Sheep	<u> </u>					1		
11. Pigs	<u> </u>					l		
12. Other Farm Animals		1			,			
13. Other Animals								
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ASSIDANCE CTATEMENTO	<u></u>							

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(Chief Executive Officer of Learnly that the above is to	QUARTES RESEARCH FACILITY OFFICIAL (b) (b) (b) Legally Responsible Institutional Official) ne, correct, and complete (7 U.S.C. Section 2143)	7/0
SIGNATURE OF CEO. OR INSTITUTIONAL OFFICIAL (6)(6) (6)(7)(C)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)	9-24-99
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(AUG 91)

aces VS FORM 18-23 (OCT 88), which is obsolete)

(b)(6), (b)(7)(c)

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

### 1. REGISTRAZION NO 117 22 RON7

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zin Code)

include Zip Gode on's West End Farms, Inc. 161 Janes Chapel Road

CN 2350

Oxford, NJ 07863 Status: Active

701

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

A	B. Number of	C Number of		E. Number of animals upon which feaching,	
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain- relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	Ø	196	54	Ø	25Ø
5. Cats	Ø	52	Ø	Ø	52
6. Guinea Pigs	Ø	Ø	Ø	Ø	Ø
7. Hamsters	Ø	Ø	Ø	Ø .	Ø
8. Rabbits	Ø	Ø	Ø	Ø	Ø
9. Non-human Primates	Ø	ø	Ø	Ø .	Ø
10. Sheep	Ø	Ø	Ø	Ø	Ø
11. Pigs	Ø	Ø	24	Ø	24
12. Other Farm Animals	Ø	Ø	Ø	Ø	Ø
Non-reportable	Ø	280 swine	e (used for	farm animal vaccine tria	ls) NA
13. Other Animals	Ø	Ø	Ø	Ø	Ø
	Ø	Ø	Ø	Ø	Ø
	Ø	Ø	Ø	Ø	Ø
	Ø	Ø	Ø	Ø	Ø

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	(Chief Executive Officer or	QUARTES RESEARCH FACILITY ()FFICIAL or Legally Responsible Institutional Official) true, correct, and complete (7 U.S.C. Sustion 2143)	
STATURE OF C.E.O. OF	(b)(6) (b)(7)(c)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)  (b) (b) (c)	DATE SIGNED 11NOV99

APHIS FORM 702 (AUG 91) places VS FORM 18-23 (OCT 88), which is obsolete )

<b>ユ</b> ュ	See reverse side for additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO.

22- R-0118

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

137 Pavilion Ave Long Branch M 07740

3. REPORTING FACILITY (List all locations where animals were housed or used in actual rese	earch, testing, teaching, or	experimenta	tion, or h	eld for these	purposes.	Attach additional
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	,((),	1,5,0	_	3 0		

sheets if necessary.) Falls 07745 Read

FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OF	R UNDER CONTROL OF	RESEARCH FACILITY	(Altach adiditional sheets if ne	ecessary or use APHIS FORM 7023A.)	
A Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred. Conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs	\				
7. Hamsters				4.00	
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
<del>-</del>					
13. Other Animals					
			,		
		- -			
ASSURANCE STATEMENTS					

- Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary inclides a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use

CERTIFICATION B	HEADQUARTES RESEARCH FACILITY OFFIC	IAL
	fficer or Legally Responsible Institutional Official	

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRAZION NO 120 22 ROIZO

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
QualTech Laboratories, Inc.

104 Green Grove Road

CN 2350

Ocean, NJ 07712 Status: Active NOV 1 8 1999

170

See Attached

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)
 FACILITY LOCATIONS (Sites)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach autiditional sheets if necessary or use APHIS FORM 7023A.) E. Number of animals upon which teaching. B. Number of C Number of Number of animals upon experiments, research, surgery or tests were animals being animals upon which experiments, which leaching, conducted involving accompanying pain or distress **Animals Covered** teaching, research, to the animals and for which the use of appropriate By The Animal conditioned, or research, TOTAL NO. surgery, or tests were conducted involving anesthetic, analgesic, or tranquilizing drugs would held for use in Wellare Regulations experiments, or OF ANIMALS teaching, testing, have adversely affected the procedures, results, or lesis were accompanying pain or interpretation of the teaching, research, experiments, conducted distress to the animals experiments, surgery, or tests. (An explanation of research, or on pnivlovni and for which appropriate (Cols. C + D + E) pain, distress, or surgery but not the procedures producing pain or distress in these anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs 0 0 () O Dogs 9 19 0 Cats 0 0 Guinea Pigs () O 0 Ó Ò Hamsters 0 0 Rabbits 0  $\cap$ 0 0 O Non-human Primates O 10. Sheep 0 0 11. Pigs O 12. Other Farm Animals

### ASSURANCE STATEMENTS

13. Other Animals

1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility

0

- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Legitly that the above is true, correct, and complete (7 U.S.C. Section 2143)

CIAL / NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

(b)(b), (b)(7)(c)

DATE SIGNED

O)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(b)(6) (6)(7)(c)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO 22

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Codel EpiGenesis Pharmaceutical, Inc.

P.O. Box 7007

Status: Active

CN 2350

Princeton, NJ 08543-7007

110 P Q 1000

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional FACILITY LOCATIONS (Siles)

Eastbark Boulevard NJ 08512 REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Atlach administrates in necessary or use APHIS FORM 7023A.) Number of animals upon which feaching, B. Number of Number of D. Number of animals upon experiments, research, surgery or lesis were animals being animals upon which experiments. bred. conducted involving accompanying pain or distress **Animals Covered** which leaching, leaching, research, conditioned, or to the animals and for which the use of appropriate research, By The Animal surgery, or lesis were TOTAL NO Welfare Regulations held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS conducted involving have adversely affected the procedures, results, or teaching, testing, lesis were accompanying pain or interpretation of the leaching, research, experiments, conducted distress to the animals involving no experiments, surgery, or tests. (An explanation of research, or (Cols. C + D + E) and for which appropriate the procedures producing pain or distress in these surgery but not pain, distress, or anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used use of pamtranquilizing drugs were must be attached to this report). purposes. relieving drugs used 4. Dogs Cats Guinea Pigs 7. Hamsters 8. Rabbits 6 0  $\cap$ Non-human Primates 0 Mar moset 10. Sheep

### **ASSURANCE STATEMENTS**

12. Other Farm Animals

13. Other Animals

11. Pigs

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of aniesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this animal report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of ummal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Learnity that the above is trie, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Pri

DATE SIGNED 1119199

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150. See reverse side lor additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE UNITED STATES DEFARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO 123

FORM APPROVED OMB NO 0579-0036

ZZROIZ3 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip ESURITY College of Morris 214 Center Grove Road

CN 2350

Randolph, NJ 07869 Status: Active

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adjultional sheets if necessary of use APHIS FORM 7023A.) Number of animals upon which teaching, experiments, research, surgery or tests were C Number of D. Number of animals upon conducted involving accompanying pain or distress to the animals and for which the use of appropriate which experiments, nogu zlemine TOTAL NO anunals being leaching, research, which leaching. anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS bred. surgery, or lests were research, have adversely allected the procedures, results, or interpretation of the teaching, research, **Animals Covered** conditioned, or conducted involving By The Animal experiments, or held for use in accompanying pain or (Cols. C + D + E) Welfare Regulations experiments, surgery, or tests. (An explanation of leaching, lesting. IPSIS WEIR distress to the animals the procedures producing pain or distress in these animals and the reasons such drugs were not used conducted experiments. and for which appropriate research, or anesthetic, analgesic, or pain, distress, or surgery but not must be attached to this report). tranquilizing drugs were yet used for such use of painrelieving drugs. purposes. 0 Dogs 0 Cats 0 0 0 Guinea Pigs 0 0 Hamsters 0 0 0 Rabbits 0 0 Non-human Primates 0 0 10. Sheep 0 0 Pigs 0 0 0 Other Farm Animals Other Animals

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility. ASSURANCE STATEMENTS

  - 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Annual Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of annuals affected addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of annuals affected.
  - 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of (b)(b)(b)(7)(c)

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL anunal care and use. (Chief Executive Officer or Legally Responsible Institutional Official) Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

(6) (6) (6) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)

DATE SIGNE

ne reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Hoechst Marion Roussel, Inc.

Route 202-206 P.O. Box 6800

NOV 2, 9, 1999 Bridgewater, NJ 08807-0800

Status: Active

F1828

: Route 202

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) FACILITY LOCATIONS (Siles) See Attached

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMAL: (Cols. C + D + E)
4. Dogs	11	49	44	5	98
5. Cats					ļ
6. Guinea Pigs	10	61	719	18	798
7. Hamsters	,			·	1.
8. Rabbits		20			20
9. Non-human Primates	19	9			9
10. Sheep					-
11. Piqs					
12. Other Farm Animals					-
13. Other Animals					<del> </del>
Ferrets		5		24	29
					1
	1		•		

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility:
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In principal investigator and approved by the maintainer climate and ose committee (notice). A summer or an such exceptions is attached to this annual report addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL Chine or Print)

DATE SIGNED

**APHIS FORM 7023** (AUG 91)

FORM 18-23 (OCT 88), which is obsolete ) ( (A)(6), (6) (7)(C)

### **Hoechst Marion Roussel**

NOV 2 9 1999

22ROI24

Hoechst Marion Roussel, Inc.

Route 202-206 P.O. Box 6800 Bridgewater, NJ 08807-0800 Telephone (908) 231-4000

Registration Number: 22-R-0124

November 19, 1999

1999 USDA Annual Report of Research Facility
ATTACHMENTS- BRIDGEWATER SITE
FEBRUARY 1, 1999 - SEPTEMBER 30, 1999

### CATEGORY E-

- 1. Five canines in a high dose group of a toxicology study experienced convulsions. These animals were removed from the study and euthanized.
- 2. Eighteen Guinea Pigs while undergoing testing exhibited signs of distress due to their inability to vomit.
- 3. Twenty-four Ferrets involved in an emesis assay were determined to be exhibiting signs of distress during a three-hour period of vomiting. Although vomiting is a natural bodily response and not considered painful it is perceived as distressful.

MEDICAL INTERVENTION WOULD HAVE INTRODUCED UNCONTROLLED VARIABILITIES INTO THE STUDIES AND THIS WOULD RENDER THE RESULTS UNINTERPRETABLE.



See reverse side for additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

FORM APPROVED

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

See Attached

include Zip Code) Coromed, Inc.

Rensselaer Technology Park

185 Jordan Road Troy, NY 12180 Status: Active

2000

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation of Aeld for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.) B. Number of Number of animals upon which teaching, Number of D. Number of animals upon animals being experiments, research, surgery or tests were animals upon which experiments, **Animals Covered** bred. which leaching, conducted involving accompanying pain or distress leaching, research, to the animals and for which the use of appropriate conditioned, or By The Animal research TOTAL NO surgery, or tests were conducted involving held for use in anesthetic, analgesic, or tranquilizing drugs would Wellare Regulations experiments, or OF ANIMALS teaching, testing, have adversely affected the procedures, results, or tests were accompanying pain or interpretation of the teaching, research experiments, conducted distress to the animals research, or experiments, surgery, or tests. (An explanation of (Cols. C + D + E) on pnivlovni and for which appropriate surgery but not yet used for such pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or animals and the reasons such drugs were not used use of paintranquilizing drugs were purposes relieving drugs. must be attached to this report). used 70 70 Dogs Cats 117 117 Guinea Pigs Hamsters 34 34 8. Rabbits 9. Non-human Primates 10. Sheep 50 11. Pigs 50 12. Other Farm Animals 13. Other Animals 7 7 Ferrets

- Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(Chief Executive Officer	DQUARTES RESEARCH FACILITY ()FFICIAL or Legally Responsible Institutional Official) true, correct, and complete (7 USC Section 2143)	
SIGNATURE OF C.C.O. OR INSTITUTIONAL OFFICIAL (6)(6) (6)(7)(6)	NAME & TITLE OF CE O. OR INSTITUTIONAL OFFICIAL Type of Prints.  (b)(6)(b)(7)(c)	DATE SIGNED

**ASSURANCE STATEMENTS** 

### FACILITY SITES LISTING

Licensee/Registrant Name: _	Coromed, Inc.	NOV 1 5 1999
License/Registration Number:	21-R-0005	
sure to include all requested	information. If the	animals under the above number. Be ne line does not apply, please mark by this form as many times as needed
Site No.: 1 Name/Department		3
Addres	185 Jordan Road Rensselaer Tech	
	Troy, New York	12180–7615
Buildin	g:	
Floor/Roo	m:	
Contact Perso	n:	Phone No.:
	(b)( <b>6)</b> , (	(b)(7)(c)
Site No.: 2 Name/Departmen	t:Albany Medical Col	llege/Animal Resource Facility
· Addres	s: 47 New Scotland A	lvenue
	Albany, New York	12208
Buildin	g: ME and MS	
Floor/Room	m: Basement	7 A
Contact Person	n:	Phone No.:
	(b)(6), C	b)(7)(c)
Site No.: Name/Department	t:	
Address		
		·
Building	J:	
		Phone No.:

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS FACILITY (Name and Address, as registered with USDA

29 Distillery Road 185 Jordan Road Warwick, NY 10990 Status: Active

DEC 0 6 1999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

**FACILITY LOCATIONS (Siles)** 

See Attached Rt 209 Wurtshow, N.Y.

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals defined to the hose hard to the hose	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquitizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or fests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL:  (COIS. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs	,				
7. Hamsters					
8. Rabbits		115			115
9. Non-human Primates		·			
10. Sheep		:			<u> </u>
11. Pigs					
12. Other Farm Animals					
				÷.	
13. Other Animals					
				Service Control of the Control of th	

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual 4 ng, iesti were followed by this describe facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Guannittee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the ACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending veterinarian for this appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES CARREST FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

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See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION 10008.

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) York Blood Center, Inc.

310 East 67th Street 105 Jordan Road

New York, NY 10021 Status: Active OCT in ESS

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

SAME AS ABOVE

SAME AS ABOVE

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	θ	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	0 .	62	0	0	62
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals	0	0	0	0	0
	, ,	• :			
				gradul	
ASSURANCE STATEMENTS					

- Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

(Chief Execut	N BY HEADQUARTES RESEARCH FACILITY OFFICIAL ive Officer or Legally Responsible Institutional Official) at the above is true, correct, and complete (7 U S C Section 2143)	(7)(C)
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (6)(	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
APHIS FORM 702	CT 88); which is obsolete)	1/0/8/77

additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 12

FORM APPROVED OMB NO: 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code) St. John's University

8000 Utopia Parkway 185 Jordan Road

Jamaica, NY 11439 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these, purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Animal Care Center

See Attached

Penthouse Floor, St. Albert's Hall

A	B. Number of	C Number of	D. Number of animals upon	E. Number of animals upon which leaching.	F.
Annals Covered By The Animal Wellare Regulations	animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery or tests. (An explanation of	TOTAL NO. OF ANIMALS  (COIS. C + D + E)
4. Dogs					
5. Cats	<u> </u>				
6. Guinea Pigs	14				
7. Hamsters					
8. Rabbits	23				
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals				į.	
13. Other Animals				• E: -	
				5.24 * 5.6 (1 <b>2 (2 )</b>	

- Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licerally that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (6)(7)(c)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

16,66,7

**APHIS FORM 7023** 

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

(AUG 91)

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO 13 2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

FORM APPROVED OMB NO. 0579-0036

include Zip Code University of New York Cornell Drive ANNUAL REPORT OF RESEARCH FACILITY

185 Jordan Road Canton, NY 13617 Status: Active

(TYPE OR PRINT)

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary )

FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY C	OR UNDER CONTROL OF	F RESEARCH FACILITY	/ (Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A.)	
A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	·		70	0	70
5. Cats			60	0	60
6. Guinea Pigs	;			0	l.
7. Hamsters		4		0	4
8. Rabbits			2	0	2
9. Non-human Primates	0			0	0
10. Sheep					
11. Pigs					
12. Other Farm Animals			-		
			•	¥6-	
13. Other Animals				a tata	
ferrets					
gerbils		4			4

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

(Chief Executive Officer or	QUARTES RESEARCH FACILITY OFFICIAL (6)(6), (6)(6), (6)(1) The correct, and complete (7 USC Section 2143)	7)(c)
SIGNATURE OF BEINSTITUTIONAL OFFICIAL (6), (6)(7)(C)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)  (b) (b) (b) (7YC)	9/21/99

FORM 7023 UG 91)

ASSURANCE STATEMENTS

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

191

PAGE 04

free input is required by law (7 USC 2143). Failure to report according to the regulations can

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this import is required by tow (r. Cost, exist), is amore to require according to the requirement of a specific 2100 or pull to an order to come and details and to be subject to possible as provided for its Section 2100 or pull to UNITED STATES DEPARTMENT OF AGRICULTURE

additional milorination

FORM APPROVED OMB NO 0579-0036

ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

I REGISTRATION ..

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USOA include lip follow University of New York

> Cornell Drive 185 Jordan Road Canton, NY 13617 Status: Active

	V (	$\sim$	FACILITY It is all locations where assembly were boused or used in octual research, testing, teaching, or experimentation, or held for these purposes.	Allack additional
	$\sim$		have have housed or used in octual research, testing, testing,	
7 1	E POI	ITING !	FACILITY II ISI JII REGIRIIS WILL WILL STATE STA	

Sharin il imperment) FACILITY LOCATIONS (Siles) See-Astached

REPORT OF ANIMALS USED BY OF Animals (averal) By Her Animal Wellare Regulations	B Number of annuals being their cauditional, or held for use in teaching, leading, waperments, research, or surjary bull not yet used too such purposes.	C Number of animals upon which inaching, research, asperiments, or tests were conducted involving no pain, distress, or use of politicalizing drugs.	D. Number of animals signin which experiments, teaching, research, suggery, in tests were conducted involving accompanying pain or distress to the unimals and for which appropriate enesthetic, analogises, in tranquilizing drugs were used.	Emisury or use Aprils FORM 7023A)  E. Number of animals upon which leaching, experiments, research surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate exesthetic, shallgesic, or tranquitizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these enimals and the reasons such drugs were not used must be attached to fine report).	TOTAL NO. OF ANIMALS  (COIE. C * D * E)
4 Dogs			70	0	60
5 Cals			60	0	1
6 Guinea Pigs	<del>                                     </del>	u		0	4
7. Hamsters	+		2	0	2
Rabbits     Non-human Primates	O			0	10
10. Shoop					
11. Pigs					
12. Other Form Amenals					
12 Other Assessed				70	1
13 Other Ammals  Ferrets					11
nechils		14			+-7

### ASSURANCE STATEMENTS

- 1) Prolessmally acceptable standards preaming the care, treatment, and use of unimals, including appropriate use of unesthetic, analysis; and tranquitzing drugs, prior to, during, and fellowing actual research, teaching, teathing, surgery, or experimentation were hallowed by this research facility.
- $\mathcal{O}(-\xi_{\mathrm{sc}})$  principal investigator has considered afteropives to pointal procedures
- j) This limitify is addressed to the standards and regulations well the Act, and it has required that exceptions to the standards and regulations be specified and excluded by the process of the standard and exceptions is attached to this annual report, in addition to distribute the process and number of annuals altered addition to distribute the process and number of annuals altered.
- 4) The althoritual vetermination this research locality has appropriate authority to ansure the provision of educate veterminy core and to oversee the adisquacy of other aspects of mount i me and the

and a great and a	Craint Name and in a file	HEADQUARTES RESEARCH FACILITY OFFICIAL ficer or Legally Responsible Institutional Official) block is true, from and complete if USC Section 21401	
A INSTIT	UTHONAL DEFICIAL	NAME & TITLE OF C E.O. OR INSTITUTIONAL OFFICIAL (Try) or Print)	9/21/99
	(A)(7)(c)	(h)(c) (h)(7/(c)	7,2.7,

FORM 7023 UG 91)

(Marphining VS FORM 16-23 (OCT 88), which is obsolute)

I. REGISTRATION NO 13

FORM APPROVED OMB NO 0579-0036

OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA unclude Zip State University of New York

Cornell Drive 185 Jordan Road Canton, NY 13617 Status: Active

DEC 0 1 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

		FAC	CILITY LOCATIONS (Sites)		
See Attached					
		DECEMBEN SACILITY		cureum or use APHIS FORM (023A)	
A Annuls Covered By The Annul Welfare Regulations	B Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	Ensury or use APHIS FORM 7023A)  E. Number of unimals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the unimals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dous			70	0	70
5. Cats	ı	·	60	0	60
Guinca Pigs				0	
7. Hamsters	`	4		0	4
8. Rabbits			2	0	2
9. Non-human Primates	0			0	0
10. Sheep					
11. Pigs					
12. Other Farm Animals					

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

### ASSURANCE STATEMENTS

AUG 91)

13. Other Arvmals

sheets if necessary)

- Professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) It ach principal investigator has considered alternatives to painful procedures
- 3) This locality is additioning to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the This recently is admenting to the standards and regimentation after the Not, and it has required that exceptions to the standards and regimentation and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research launity has appropriate authority to ensure the provision of adequate veterinary core and to oversee the adequacy of other aspects of amount care and use

	b)(9),(b)(7)(c) CR	Chief Executive Officer or	QUARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) ne, correct, and complete (7 U.S.C. Section 2143)	
Si	NS		NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
	en e	5	Cb/(6), Ch/(7)(c)	9/21/99
4	FORM 7023	18.23 (OCT 88)	absolute 1	

### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO. 21-R-0014 FORM APPROVED OMB NO 0579 00006 **a**IRod 2. HEADQUARTERS RESEARCH FACILITY (Not of and Address, as registered with USDA. include Zip Code)
Population Council, Th 1230 York Avenue Box 273 New York, NY 10021 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)

See Attached Laboratory Animal Research Center The Rockefeller Univ., 1230 York Ave, NY NY 10021

A	B. Number of	C Number of	0	E. Number of animals upon which teaching,	T-
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain- relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	TOTAL NO OF ANIMAL: (Cols. C + D + E)
4. Dogs					
5. Cats			<del></del>	·	
6. Guinea Pigs		48			48
7. Hamsters			39		39
8. Rabbits		32			32
9. Non-human Primates					
10. Sheep				<del></del>	
11. Pigs					
12. Other Farm Animals		· · ,	<del></del>		
				in the second se	
13. Other Animals					
		:			

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
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- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

	(Chief Executive Officer of	QUARTES RESEARCH FACILITY OFFICIAL or Legally Responsible Institutional Official) true, correct, and complete (7 U.S.C. Section 2143)	(a) (b) (b) (7) (c)
SIGNATURE OF C.E.O. OR INS	TITUTIONAL OFFICIAL (b)(c)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (1	ype or Printi) DATE SIGNED
		The Population Council	10/2017
APHIS FORM 7023 (AUG 91)	(Replaces VS FORM 18-23 (OCT 88), which is	s obsolete) (b)(b)(b)(7)(C)	

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION 1017

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zin Code) Masonic Medical Research Laborator

2150 Bleecker Street

Box 273

Utica, NY 13501-1787

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

See Attached

Third Floor -Animal Care Facility

2150 Bleecker St

Utica, NY 13501

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of aminals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	16		133		133
5. Cats		. ,			
6. Guinea Pigs	, 7		3		3
7. Hamsters					
8. Rabbits	7		3		3
9. Non-human Primates					
10. Sheep					
11. Piqs					
12. Other Farm Animals					
13. Other Animals					
		:			

- Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

6)(4)(4)(7)(C)

P.03/07

See reverse side for

misragency Report Control No. 0180-DOA-AN

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150.

additional information.

necelve	OFO STATES DEPARTMENT OF AGRICULTURE AND PLANT HEALTH INSPECTION SERVICE
III UCT 2 2 1999	

21-R-0018

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

.----(TYPE OR PRINT)

1. REGISTRATION NO.

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) REGENERON PHARMACEUTICALS, INC.

777 OLD SAW MILL RIVER ROAD TARRYTOWN, NY 10591

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, lesting, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles) REGENERON PHARMACEUTICALS, INC BUILDING 2 77 OLD SAW MILL KIUGR ROAD TARRYTOWN, NY 10591 REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY JAMECH Additional shocks it increasery of use APHIS FORM 7023A.) B. Number of C Number of Number of animals upon which feaching, D. Number of animals upon onimals being annitrals upon F. experiments, research, surgery or lests were Animals Covered bed. which experments. which leaching. By The Animal conducted involving accompanying pain or distress leaching, research. conditioned a research. to the unimals and for which the use of appropriate Wallare Regulations held for use in Surgery, or lesis were experiments, or anesthetic, analgesic, or tranquilizing drugs would TOTAL NO gnivluvia beloubing teaching, testing. tests were OF ANIMAL have adversely affected the procedures, results, or accompanying pain or experiments, conducted interpretation of the teaching, research, distress to the amounts research, or involving na experiments, surgery, or tests. (An explanation of and for which appropriate swigery but not pain, distress, or (Cols. C the procedures producing pain or distress in these anesihelic, analgesić, ur yet used for such use of painenimals and the reasons such drugs were not used D + E) purposes. Iranquilizing drugs wore relieving drugs. must be attached to this report). 4. Dogs 0 0 Cats 0 0 Guinea Pigs Hamsters Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 0 0 13. Other Animals

- Professionally acceptable standards governing the care, frequency, and use of animula, including approviate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, fraching, testing, surgery, or experimentation were followed by this research facility.
- Each principal investigator has considered afternatives to painful procedures.
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- 4) The attending voterhiaman for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I corruly that the above is true, operant, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (TYPE OF

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

APHIS FORM 7023 (AUG 91)

ASSURANCE STATEMENTS

(Replaces VS FORM 18-23 (OCT 88); which is obsolete )

See reverse side lor additional information

must be attached to this report).

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

purposes.

1. REGISTRATION 10019 21ROOM

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. <sup>include Zip</sup> Netco Laboratories, Inc.

154 Brook Avenue

Box 273

Deer Park, NY 11729

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional DEER PARK NY 154 BROOK **FACILITY LOCATIONS (Siles)** 

See Attached REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A) E. Number of animals upon which teaching, C Number of D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments, which leaching, conducted involving accompanying pain or distress **Animals Covered** bred. teaching, research, to the animals and for which the use of appropriate conditioned, or By The Animal research. surgery, or lests were TOTAL NO experiments, or Welfare Regulations held for use in anesthetic, analgesic, or tranquilizing drugs would conducted involving OF ANIMALS have adversely affected the procedures, results, or teaching, testing. tests were accompanying pain or interpretation of the teaching, research, experiments, conducted distress to the animals (Cols. C + D + E) research, or experiments, surgery, or tests. (An explanation of involving no and for which appropriate the procedures producing pain or distress in these surgery but not pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of pain-

tranquilizing drugs were

Dogs Cats 616 Guinea Pigs Hamsters

relieving drugs.

Rabbits Non-human Primates 10. Sheep

11. Pigs 12. Other Farm Animals 13. Other Animals

**ASSURANCE STATEMENTS** 

Professionally acceptable standards governing the care, freatment, and use of animals, including approvate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility

2). Each principal investigator has considered alternatives to painful procedures

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected

The attending vetermarian for this research facility has appropriate authority to ensure the provision of adequate vetermary care and to oversee the adequacy of other aspects of animal care and use

(Chief Executive Officer or l	UARTES RESEARCH FACILITY OFFICIAL. (6)(6), (6), (6), (6), (6), (6), (6), (	(7)(C)
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (6)(6), (7)(C)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print) (6)(7)(6)	DATE SIGNED

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
State University of New York

450 Clarkson Avenue

Box 273

Brooklyn, NY 11203 Status: Active

. NOV 1 5 1999

October 1, 1998 - September 30, 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these-purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

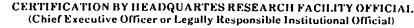
See Attached SUNY HSCB

294

	OR UNDER CONTROL OF	RESEARCH FACILITY	l (Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	3		78		78
5. Cats					
6. Guinea Pigs	,		205		205
7. Hamsters					
8. Rabbits			72		72
9. Non-human Primates	150	50	115		315
10. Sheep					
11. Piqs			92		92
12. Other Farm Animals			·		
Chickens			5	£.	5
13. Other Animals				2 (A)	
lonodelphis		:	284		284
Snakes			750		750
ASSURANCE STATEMENTS			<u> </u>		

## 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

- 2) Each principal investigator has considered alternatives to painful procedures
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annnal care and use



I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

(b)(6)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

SIGNATURE OF C

See reverse side for additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 21-R-0024 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

See Attached

include Zip Code)
State University of New York and Forestry 1 Forestry Drive Syracuse, NY 13210 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Siles)

	•				<del> </del>
REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	F RESEARCH FACILITY	f (Altach adiditional sheets if ne	cessary or use APHIS FORM 7023A.)	
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, festing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or lests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	0				0
5. Cats	0				0 ·
6. Guinea Pigs	0				0
7. Hamsters	0				0
8. Rabbits	0				0
Non-human Primates	0				0
10. Sheep	0				0
11. Pigs	0				0
12. Other Farm Animals	0	-	,		0 %
		1			
13. Other Animals	0	·		3	0
			·		
		-			

### **ASSURANCE STATEMENTS**

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of (b)(6), (b)(7)(C)

(Chief l	Executive Officer or I	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) e, correct, and complete (7 U.S.C. Section 2143)	
CICAN THREE CONTRACTOR OFFICIAL	(b)(b),	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
	(a)(7)(c)	(b)(7)(c)	9/28/99
AP	8-23 (OCT 88), which is o	bsolete)	

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

See Attached

1. REGISTRATION NO.27 \$ 290 21 ROO 27

FORM APPROVED OMB NO \$79-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

Include Zip Code)
State University of New York

Vestal Parkway East P.O. Box 6000

Binghamton, NY 13902-6000

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these		Attach additional
	z purposes.	ATTACK SOCIETORS
sheets if necessary.)		
owers in necessary,		

FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adictional sheets if necessary or use APHIS FORM 7023A.)

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	0	0	. 0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	0	0	0
9. Non-human Primates	0	0	0	0 .	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals					
Ground squirrels	0 .	8	0	0	8
			,	45 ° '7	

### SSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

), (B)(7)(C)

APHIS F( (AUG 91) 88), which is obsolete )

See reverse side for additional information

Interagency Report Control No 0180-DOA-AN

sheets if necessary.)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

I. REGISTRATION N	ბ28		
<u> </u>	R	0028	

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Lincoln Medical and Mental Health

234 East 149th Street

(TYPE OR PRINT)	P.O. Box 6000
(*** 2 3*** ******)	Bronx, NY 10451
	Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

		FAC	CILITY LOCATIONS (Siles)	ş.	
See Attached					
REPORT OF ANIMALS USED BY O	R UNDER CONTROL O	F RESEARCH FACILITY	f (Altach adiditional sheets if n	ecessary or use APHIS FORM 7023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs			- 8		8
5. Cats					
6. Guinea Pigs	,				
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					**************************************
12. Other Farm Animals			·		
13. Other Animals					
		-			
				<b>夏</b> 4 ( <b>) () () ()</b>	
ASSURANCE STATEMENTS		1			
1) Professionally acceptable sta	indards governing the c	are treatment and us	e of animals including agreed	ate use of anesthetic analogsic and tranquilizing drugs ori	or to during

- and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL	ı.
(Chief Executive Officer or Legally Responsible Institutional Official)	

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL

080-08-1999 17:40 USDA APHIS AC

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 21-R-0029

FORM APPROVED OMB NO 0579-0038

2 HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include 210 Code)

The Hospital for Joint Diseases 301 East 17th Street New York, NY 10003

300

2 PEPORTING FACILITY (List off-ocations where unimals were housed or used in actual restaurch, testing, teaching, or experimentation, or held for these purposes. Attach additional White is it ecessivy ?

FACILITY LOCATIONS (Siles)

St. Luke's-Roosevelt Hospital, New York, NY 10025

REPORT OF ANIMALS USED BY O		HESEARUN PAULIT	(Allach Burthmans, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,	E. Number of animals upon which reaching	F.
Animals Covered By The Animal Aritare Regulations	B Number of animals Desirg bred, conditioned, or real or use in sourcing, testing, experiments, research, or surgery but not yet used for such outposes.	C Number of primals upon which teaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain, relieving drugs.	D. Number of primals upon which experiments, traching, research. Surgery, or tests were conducted situation pain or distress to the animals and for which appropriate anosthetic, analgesic, or tranquitzing drogs were used.	experiments, research, surgery or tests were conducted involving accumpanying pain or distrinss to the animals and for which the use of appropriate anesthetic, analgosic, or tranquilizing drugs would have adversoly affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	TOTAL NO OF ANIMALS (COIS. C * D + E)
			16		16
4 Dogs					
5. Cals					
o Guinea Pigs					
7 Hamsters	<u> </u>				34
8 Habbits			34		<del>                                     </del>
<ol> <li>Not homen Premates</li> </ol>					-
10. Sneep					
11. Pigs					+
12. Other Farm Animals					
					-
13 Other Animals				20	
THE RESIDENCE OF THE PARTY OF T			3		
The state of the s	- <del> </del>	1		1	

### ASSURANCE STATEMENTS

(205 91)

- Proinsponally acceptable standards governing the cure, freatment, and use of animals, including appropriate use of unesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research facility.
- $\mathcal{H}_{\mathcal{F}}(E_{\mathcal{F}}(E_{\mathcal{F}}))$  grantipal investigator has considered alternatives to painful procedures
- b. This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the post-roal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 40. The anomaling retermanded for this research facility has appropriate authority to provision of adequate retermany care and to oversee the adequacy of other aspects of control cure and upp.

CURPTERCATION BY HEADQUA	ARTES RESEARCH FACILITY OFFICIAL
With the Commention Officer art a	gally Responsible Institutional Official)
(Chief L'accette Ottices of Ce	Land the state of

to entity that the above is from correct, and complete (7.005.0. Section 2143)

S GNATURE OF DE D. OR INSTITUTIONAL DEFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (1-14: 0) (1-14: 0) (2)

DATE SIGNED

12/9/99

RM 18-23 (OCT 88), which is obsolute?) APHIS FO

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 21R002

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code)
Roswell Park Cancer Institute Office of Scientific Admin. Elm & Carlton Streets Buffalo, NY 14263-0001

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

See Attracked Cell+Virus Building, Springville Labs Grace Cancer Drug Center

Cancer Cell Center Medical Research Complex

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in feaching, festing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	3	0	40	4	44
5. Cats		,			
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	0	22	15	0	37
9. Non-human Primates			·		
10. Sheep	/	0	0	0	0
11. Pigs	0	0	28	0	28
12. Other Farm Animals					
Calves	0	0	63	0	63
13. Other Animals					
Wild mice	1052	3643	3		3646
·					

- nalgesigged tranquilizing drugs, prior to, during, Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of presthe and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

INSTITUTIONAL OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

Registration # 21-R-0032

Subpart E. Explanation

Four dogs died during the conduct of preclinical toxicological evaluation of a new taxane derivative. The studies were conducted prior to registration of this new drug for human clinical trial. The studies were conducted under strict adherence to the Good Laboratory Practices Act of the U.S. Food and Drug Administration. The deaths were unexpected, as the previous escalation step was essentially without overt toxicity. No other dogs were treated at these doses after lethality was determined. Because of the nature of the study, analgesics are not permitted.

See reverse side for additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION 10034 1R0034

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) tol-Myers Squibb Company

PO-Box 4755

100 Forest Avenue

Elm & Carlton Streets

Buffalo, NY 14213

Syracuse, NY 13221-4744

Status: Cancelled

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

Sec Assached

FACILITY LOCATIONS (Sites)

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquitizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0 .	0	0	0
6. Guinea Pigs	0	30	0	0	30
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	0	0	0
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals	0	0	0	0	0
		·			
ASSURANCE STATEMENTS				P. T. Brancher	

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anestheric alphalogs and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility and tranquilizing drugs, prior to, during, 1999
- 2). Each principal investigator has considered alternatives to painful procedures
- EY: 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

	Chief Executive Officer of	QUARTES RESEARCH FACILITY ()FFICIAL r Legally Responsible Institutional ()fficial) me, correct, and complete (7 USC Section 2143)	
SIGNATURE OF C	(b)(6) (b)(7)(c)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED 10/2/99
ADUIS FORM 7000			

(AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

(b)(6), (b)(7)(c)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

# 1. REGISTRATION NO.36 2. HEADOUARTER'S RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Rockefeller University) Then 11 12 7 1009

EORM APPROVED

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1230 York Avenue

Elm & Cartton Streets New York, NY 10021-639BY:.....

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites) See Attached Field Research Center Laboratory Animal Research Center

Rockefeller University, NY, NY 10021 Tyrrel Road, Millbrook NY 12545 Rockefeller Research Bldg., (Rm. 811)

Theobald Smith Hall Rockefeller University NY NY 10021 Rockefeller University, NY, NY 10021

A	B. Number of	C Number of	D. Number of animals upon	E. Number of animals upon which leaching, experiments, research, surgery or tests were	F.
Ammals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs					
5. Cats	, <b></b>		37		37
6. Guinea Pigs			167		167
7. Hamsters		15			15
8. Rabbits		18	156		174
9. Non-human Primates		20	23		43
10. Sheep					
11. Pigs -			***		
12. Other Farm Animals					
			,		
13. Other Animals			' .	- <del>- 1</del>	
		:			
			•		

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143) SIGN DEFICIAL NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) DATE SIGNED 10/21/99

**APHIS FORM 7023** (AU~ 91)

VS FORM 18-23 (OCT 88), which is obsolete ) (b)(6), (b)(7)(c)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION 10037 21R003

FORM APPROVED OMB NO 0579-0036

NUV 19 1999

### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA unclude Zip State University of New York

arbe feit

766 Irving Avenue

Elm & Carlton Streets delete-not part of Syracuse, NY 13210 SUNY address

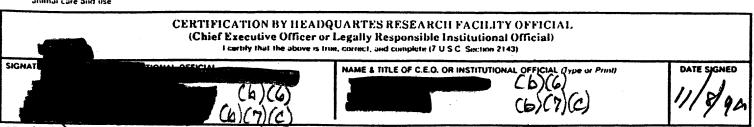
Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, Teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

**FACILITY LOCATIONS (Siles)** See Attached

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquitizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	0	0	18	0	18
5. Cats	0	0	2	0	2
6. Guinea Pigs	9	0	76	0	76
7. Hamsters	6	0	.56	0	56
8. Rabbits	4	0	71	0	71
9. Non-human Primates	16	0	19.	5	24
10. Sheep	3	0	93	0	93
11. Pigs	4	0	222	0	222
12. Other Farm Animals					
Goats	0	0	2	. 0	2
13. Other Animals					-
·					

- Professionally acceptable standards governing the care, freatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Annual Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of ammal care and use



21-R-0037

Site: 001

Status: Active

Health Science Center at Syracuse Weiskotten Hall

766 Irving Avenue Syracuse, NY 13210 County: Onondaga

**Q** 

Contact Person:

ΝE

(6)(6), (6)(7)(6)

NOV 1 9 1999

Registration Number: 21-R-0037

Number of animals used in this study: 5

Species of animals used in this study: Nonhuman Primate

Explanation of Water Restriction in Nonhuman Emmates as per the Principal Investigator
Directing the Study and as Approved by the IACUC:

Water restriction is vital to our experimental model. Our behavioral paradigm requires that animals make 500-1500 individual responses each day and other types of behavioral motivation (food restriction, food rewards) do not elicit this level of response.

Animals will not be restricted below 90% of their baseline weight. Supplemental water will be provided in the event that this maximum weight reduction is exceeded. In fact, we normally do not need to reach this limit and we have never had to maintain an animal at this limit for a prolonged period. We have trained approximately 40 animals over the last 10 years using these procedures and have only had 5 animals require this degree of restriction. If needed, it is usually only during the initial training period which routinely lasts about 1 week. After initial training, the vast majority of animals can be kept motivated with a restriction schedule that produces very minimal decreases from baseline weight.

The water restriction schedule is implemented for the 5 working days of each week (M-F). The animals are provided ad lib water after testing on Friday and until they are returned to the restriction schedule on Sunday evening. The animal's weight is measured on each restriction day and recorded on a graph that is kept in the laboratory.

Aside from the weight monitoring, the normal activity/behavior is monitored daily by the Laboratory Animal Resources staff and/or the investigator or research technician. If there are any behavioral changes or changes in food consumption, the animal will immediately be assessed for decreased hydration status as well as any other abnormalities. Any changes in performance during testing sessions will also be investigated in a similar manner.

See reverse side for additional information. Interagence

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.39

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

onclude Zip Code)
State University of New York 310 Administration Building

> Elm & Carlton Streets Stony Brook, NY 11794

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.) sheets if necessary.)

FACILITY LOCATIONS (Sites)

See Attached

A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs		16	31		47
5. Cats			54		54
6. Guinea Pigs		45	61		106
7. Hamsters		190	175	·	365
8. Rabbits		97	20		117
Non-human Primates			27	STORTH	27
10. Sheep			7	NOV - 1000	7
	· .		31	표 NOV 2.2, 1999 🧒	31
11. Pigs  12. Other Farm Animals				BY:	
13. Other Animals	ļ	· ,	· · · · · · · · · · · · · · · · · · ·	50	
	<del>                                     </del>				

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

(b)(6),(b)(7)(c)

21R0039

### PACILITY STIES LIGHTED

PAGE REGISTER Name:	INY & Stony Brook	
License/Registration Number: 2	L-R-039	į.
Planse list below all sites that sure to include all requested in: it N/A. If you have more than the before filling in the sites.	house regulated anima formation. If the lir ree (3) sites copy thi	ls under the above number. Be ne does not apply, please mark a form as many times as needed
Sito No.: 1 Mame/Department:	DLAR	
Address:	8611 SUNY	
	Stony Brook, NY 117	94-8611
Building:	HSC	
Ploor/Room:	First Floor	
Contact Paraci	6)(6), (6)(7)(0)	(b)(6), (b)(7)(c)
Gito No.: 2 Mamme/Department:	same	10 11 0 10 10 10
Address:		Company 1
	Lis NO	7 2 1999
Building:	Life Sciences	7.1999
Floor/Rocm:	lower level	
Contact Person:	8ame	Phone No.:
Site No.: 3 Mane/Department:	6åme :	
Address;		
Building:	Comme	
Floor/Roca:	Computer Science	
Contact Ferson:	first floor	
- Paradni	Bame	Phone No.:

21R0039

### PACIFICAL SINES LISTEN

Licenses/Registrant Mane:SINY	A Stony Brook	
Conse/Registration Humber:	₹-039	
lease list below all sites that he was to include all requested info t M/A. If you have more than three sites.	muse regulated saims reation. If the li- e (3) sites copy this	le under the above number. Be ne does not apply, please mark is form as many times as needed
ite Ho.: 4 Name/Department:	DLAR	
Address	8611 SUNY :	
-	Stony Brook, Mf 11	794-8611
Buildings	Psychology A	
Floor/Room:	third .floor	
Contact Person	(6)(6), (6)(7)(c)	(b)(6), (b)(7)(c)
Site No.: 5 Name/Department:	3 <b>3</b> me	The state of the s
Address:	· 	NOV 2 2 1999
Building:	Putnam Hall	7 1339
Floor/Room:	_4	
Contact Person:	same	Phone No.:
Site No.: Wame/Department:		
åddrese:		
<b>Building</b>		
		Phone No.:

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.40

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zin Code)

include Zip Code)
Mount Sinai School of Medicine
One Gustave L. Levy Place
Elm & Carlton Streets
New York, NY 10029-6574

Status: Active

312

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

See Attached

FACILITY LOCATIONS (Siles)

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing decide would have adversely affected the productives sesuits, or interpretation of the persping research, experiments, surgery by tests." (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (COIs. C + D + E)
4. Dogs			47		47
5. Cats	•		16		16
6. Guinea Pigs			172		172
7. Hamsters			0		0
8. Rabbits			419		419
9. Non-human Primates			77		77
10. Sheep					
11. Pigs			378		378
12. Other Farm Animals		,		•	
		·	,	. E. c.	
13. Other Animals				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Chinchillas			6		6
ASSURANCE STATEMENTS					

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, feaching, festing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

## CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL. (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

According to the bookers true, correct, and compete (r 0.3 C Section 214

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (b) (b) (7)(c)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/18/99

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION 10041

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip State University of New York

School of Letters & Sciences

Brockport, NY 14420

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

DEC 0 6 1999

FACILITY LOCATIONS (Siles)

See Attached

Site 001: Psychology, Holmes Hall

Site 002: Biological Sciences, Holmes Hall \*

\* Lennon Hall is undergoing renovation

Contact:

A. Animals Covered By The Animal Wellare Regulations	8. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of aminals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	Exercisery or use APHIS FORM 7023A)  Solution of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats	,				
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep	,				
11. Pigs					
12. Other Farm Animals					
			3		
13. Other Animals					
Rats	244	195	0	0	195
				• •	
ASSURANCE STATEMENTS					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

	(Chief Exe	cutive Officer or	QUARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) us, correct, and complete (7 USC Section 2143)	
SIGN	DNAL OFFICIAL	(a) (c) (b)(r)(c)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code)
State University of New York Penfield Library #17 Room #4

ORSP

Oswego, NY 13126 Status: Active

(TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

		FAC	CILITY LOCATIONS (Siles)	γ.	
. See Attached					· · · · · · · · · · · · · · · · · · ·
<u> </u>					<del></del>
				cessury or use APHIS FORM 7023A.)	,
A	B. Number of animals being	C Number of animals upon	Number of animals upon which experiments,	E. Number of animals upon which teaching, experiments, research, surgery or tests were	F.
Animals Covered By The Animal	bred, conditioned, or	which leaching, research,	leaching, research, surgery, or lests were	conducted involving accompanying pain or distress to the animals and for which the use of appropriate	TOTAL NO
Welfare Regulations	held for use in teaching, testing,	experiments, or tests were	conducted involving accompanying pain or	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or	OF ANIMALS
	experiments, research, or	conducted involving no	distress to the animals	interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of	(Cols. C +
	surgery but not yet used for such	pain, distress, or use of pain-	and for which appropriate anesthetic, analgesic, or	the procedures producing pain or distress in these animals and the reasons such drugs were not used	D + E)
	purposes.	relieving drugs.	tranquilizing drugs were used	must be attached to this report).	
4. Dogs					
5. Cats			2 °	• 27 2 2 2 2	
6. Guinea Pigs	•				
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
TE. Other Comments					
· · · · · · · · · · · · · · · · · · ·				- Francisco - Fran	
13. Other Animals				1 (E)	
Mongolian Gerbils	30 ·	30			30
				· · · · · · · · · · · · · · · · · · ·	
	·				
ASSURANCE STATEMENTS	اـــــــــــــــــــــــــــــــــــــ				<del></del>

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

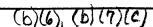
Ecertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



NAME & TITLE OF, C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED



This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to coase and design and to be subject to penalties as provided for in Section 2150 See reverse side for additional information Interagehcy Report Control No 0180-DQA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE I. REGISTRATION NO.42

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

include Zip Coule) State University of New York

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, 82 registered with USDA

Penfield Library \$17 Room #4

ORSP

Oswego, NY 13126 Status: Active

- See Attached

2. REPORTING FACILITY (List all locations where animals were housed in actual research, testing, teaching, or experimentation or held for these purposes. Attach additional sneers if necessary.)

FACILITY LOCATIONS (Siles)

APRIL FORM 70274 I

Animals Covered By The Animal Wallare Regulations	B Number of animals being bred, conditioned, or held for use in seaching, testing, experiments, research, or surpery but hall yet used for such purposes.	C Number of grands upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drings.	D Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving occumpanying pain or distress to the animals and for which appropriate anesthetic, analysesic, or tranquilizing drugs were used.	E. Number of Jahlmak upon which leaching, experiments, research, Surgery or lests were conducted involving accompanying pain or distress to the animals and for which the vice of appropriate aneathetic, analogesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the fleaching, research, experiments, surgery, or lests. (An explanation of	TOTAL NO OF ANIMAL:  (Cols. C + D + E)
4. Dogs					
S. Cals	•			·	<u> </u>
6. Guinea Pigs					
7. Hamslers					
8. Rabbits					<del> </del>
9. Non-human Primates		<u> </u>			
10. Sneep					
11. Pias		· · · · · · · · · · · · · · · · · · ·			
12. Other Farm Animals					
13. Other Animals					
Mongolian Gerbils	30	30			30

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the Care, treatment, and use of animals, including approvate use of anesthetic, analgesic, and tranquilizing drugs, provite, during. and igitowing actual research, leaching, testing, surgery, fir Anjaminantation were followed by this instructs facility
- 2) Each principal investigator has considered alternatives to point of procedures
- I) This facility is adhering to the standards and regulations while the Act, and it has required that exceptions to the standards and requiations be specified unit explained by the principal investigator and approved by the Institutional Annual report. In principal investigator and approved exceptions, this summary includes a bird explaination of the exceptions, as well as the species and number of animals affected
- 4) The attending vetermarian for this research famility has appropriate authority to ensure the provision of adequate vetermary care and to oversee the adequacy of other aspects of minul tire and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

tingetity that the above is from energet, and complete (FUSC Soution 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OF INSTITUTIONAL OFFICIAL (True or Print)

DATE SIGNED

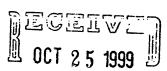
UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

## 1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Canisius College

2001 Main Street 812 Kehoe Building Buffalo, NY 14208 Status: Active



ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

304

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or high type these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

### Health Science Center (third floor)

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs			used		
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits		-			
9. Non-human Primates				-	
10. Sheep			``		
11. Pigs					
12. Other Farm Animals					
13. Other Animals		:		3 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	·
			· · · · · · · · · · · · · · · · · · ·		·
Lab mice (mus)	20	70		85° " 1 <del>8</del>	
ASSURANCE STATEMENTS					

### SSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of aniesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending vetermarian for this research facility has appropriate authority to ensure the provision of adequate vetermary care and to oversee the adequacy of other aspects of animal care and use

(Chief Execu	ON BY HEADQUARTES RESEARCH FACILITY OFFICIAL prive Officer or Legally Responsible Institutional Official) (1) that the above is true, correct, and complete (7 U.S.C. Section 2143)	(b)(7)(c)
SIGN E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
	(1)(7)(1)	
	CONTRE	
	(A)(A)(A)(A)(A)	10/18/99
APHIS FORM 7022	La	

APHIS FORM 7023 (AUG 91) (Replaces VS FORM)

OCT 88), which is obsolete)

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)
State University of New York

100 East 24th Street

New York, NY 10010 Status: Cancelled

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

**FACILITY LOCATIONS (Sites)** 

See Attached Fifth floor 100 East 24th St., Animal Facility

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	, 0	0	0	0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	0	0	0
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals	0	0	0	0	0

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional ()fficial) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143) SIGNATU C.E.O. OR INSTITUT NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) DATE SIGNED 10/4/99

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

MAIN PANILION/BASSNETT

1. REGISTRATION NO049

FORM APPROVED

21-R-0049
OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Winthrop University Hospital

259 First Street 812 Kehoe Building Mineola, NY 11501 Status: Active

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) **FACILITY LOCATIONS (Sites)** 

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach admittenal sheets if necessary or use APHIS FORM 7023A.) B. Number of C Number of D. Number of aminals upon experiments, research, surgery or tests were animals being animals upon which experiments, conducted involving accompanying pain or distress bred. which leaching, **Animals Covered** teaching, research, to the animals and for which the use of appropriate conditioned, or TOTAL NO. By The Animal research, surgery, or lests were anesthetic, analgesic, or tranquilizing drugs would held for use in OF ANIMALS experiments, or Welfare Regulations conducted involving have adversely affected the procedures, results, or teaching, testing, lesis were accompanying pain or distress to the animals interpretation of the teaching, research, experiments. conducted (Cols. C + D + E) experiments, surgery, or tests. (An explanation of research, or involving no and for which appropriate the procedures producing pain or distress in these surgery but not pain, distress, or anesthetic, analoesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. Dogs Cats Guinea Pigs Hamsters Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals

### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

(Chief Executive Officer or I.	JARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) Logic Correct, and complete (7 U.S.C. Section 2143)	axy(c)
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
		10/1/99

ORM 7023 UG 91)

(Replaces VS FORM)

OCT 88), which is obsolete)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NOSO

FORM APPROVED OMB NO: 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Code) State University of New Pierrepont Avenue 812 Kehoe Building Potsdam, NY 13676

Status: Active

2. HEADOUARTERS RESEARCH FACILITY (Name, and Address, as registered with USDA

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Flags HAll 103, 116

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats		,			
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
·	P			. N. G. 1985	
13. Other Animals				<del>-</del> -	
LAB RATS	21	21			21

### **ASSURANCE STATEMENTS**

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to pamful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

		(Chief Executive Officer of	QUARTES RESEARCH FACILITY OFFICIAL (b)( r Legally Responsible Institutional Official) rne, correct, and complete (7 USC Section 2143)	6. (b)(7)(C)
SIGN		(6)(6) (6)(7)(c)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
A	023	(Replaces VS FORM 18-23 (OCT 88), which is	obsolete )	

UNITED STATES DEPARTMENT OF AGRICULTURE

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

ANIMAL AND PLANT HEALTH INSPECTION SERVICE

UCI 25 1999

REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

Include Zip Code)
State University of New York

College of Technology

Delhi, NY 13753 Status: Active -> 2 main Street

390

See Attached

 REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Farnsworth Hall Vivarium Site 1

College Farm Ladd Veterinary Science Vivarium Site 2

			l (Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A.)	
A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, feaching, research, surgery, or fests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or franquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drings would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C +
4. Dogs	0	0	. 115	0	115
5. Cats	, 0	0	81	0	81
6. Guinea Pigs	0	0	40	0	40
7. Hamsters	00	0	100	0	100
8. Rabbits	Ω	00	35	0	35
9. Non-human Primates	0	0	10	0	10
10. Sheep	0	0	76	0	76
11. Pigs	0	0	19	0	19
12. Other Falm Animals	0	0	5	0	5
Cattle	0	0	36	0	36
13. Other Animasats	0	. 0	3.	0	3
				gr in	
ASSURANCE STATEMENTS			<u>_</u>		

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED 10/14/99

(W(B) (W(7/C)

(b)(b), (b)(7)(c)

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolute)

APHIS FORM 7 (AUG 91)

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

391

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

FORM APPROVED

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

State College of New Yor College at old Westburn Old Westbury, NY 11568 ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	Ecessary or use APHIS FORM 7023A)  E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	0	ථ			0
5. Cats	G	0	·		0
6. Guinea Pigs	0	0			0
7. Hamsters	0	0			0
8. Rabbits	0	0			0
9. Non-human Primates	0	Ö			0
10. Sheep	0	0			0
11. Pigs	0	S			0
12. Other Farm Animals	0	O			0
13. Other Animals Mice	O	40	ල	d	40
gerbils	Ø	100	0		100
ASSURANCE STATEMENTS				· · · · · · · · · · · · · · · · · · ·	

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES	S RESEARCH FACILITY OFFICIA	L
(Chief Executive Officer or Legally R		

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

Dr

See reverse side for additional information,

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION 19058 21R OUS

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Island University

700 Northern Blvd. University Center Brookville, NY 11548

Status: Active

OCT 18 1999

310

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Siles)

See Attached

C W. Post Campus - Animal Facilities Life Science Bldg. Rm. 13

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lestling, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or fests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F. TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	0	0	. 0
5. Cats	0	0	0	0	0
6. Guinea Pigs	Ŏ	0	0		0
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	0	0	0
9. Non-human Primates	00	00	0	0	. 0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	.0		0	0
				된.	
13. Other Animals Rats	. 72	0	0	0	0
Mice	412			0	0
Pigeons	13	0	0	O	0
Reptiles	37	0	0	0	0

- Professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(Chief Executive Officer of	or Legally Responsible Institutional (Official)  Trim, correct, and complete (7 USC Section 2143)
CNATURE OF C.E.O. OR WESTERNOON OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolute)

(b)(c), (b)(7)(c)

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO 58 21R0058

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Island University

700 Northern Blvd. University Center Brookville, NY 11548

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

See Attached

C W. Post Campus - Animal Facilities Life Science Bldg. Rm. 13

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.)					
A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	ő	0	0	0	0
7. Hamsters	0	0	0	0	00
8. Rabbits	0	00	0	0	0
9. Non-human Primates	00	0	0	0	00
10. Sheep	0	0	00	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	Ω
				, <del>-</del> - ,	
13. Other Animals Rats	: 72	0	0	oii	0
Mice	412	0	. 0	0	0
Pigeons	13	0	0	0 *;	0
Reptiles	37	0	0	0	0
ASSURANCE STATEMENTS					

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approvate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
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- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

	* \
CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL  (Chief Executive Officer or Legally Responsible Institutional Official)  (Chief Executive Officer or Legally Responsible Institutional Official)  (Chief Executive Officer or Legally Responsible Institutional Official)	(7)(C)
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (L) (L) (L) (L) (L) (L) (L) (L) (L) (L	DATE SIGNED

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTM INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO

21R0058 21-R-058

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

Long Island University University Center

700 Northern Blvd. Brookville, New York

11548

3. REPORTING FACILITY (List ull locations where animals were housed or used in actual research, testing, teaching, or experimentation, or hold for those purposes. Attach ad ditional

FACILITY LOCATIONS (Siles) Long Island University

Long, Island University Brooklyn, Campus C. W. Post Campus Life Science Bldg., Rm 13 720 Northern Blvd. Brookville, Wet Laboratory, Rm. 206 75 DeKalh Avenue, Brooklyn New York

Aminals Cuvered By The Animal Wellare Regulations	B. Number of animals being bred. conditioned, or held for use in leaching, listing, experiments, research, or surgery but not yet used to such purposes.	C Number of animals upon which traching, research, experiments, or tests were conducted involving no poin, distress, or use of pain-relieving arings.	D. Number of animals upon which experiments, reaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate aneitheric, analgesic, or tranquitizing drugs were used.	Debasely or use APHIS FORM (023A)  E. Number of animals upon which leaching, experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquitizing drugs would have adversely affected the procedures, results, or interpretation of the teaching research, experiments, surgery, or less to Argesplandian of the procedures producing pain or distress in impare animals and the reasons such drugs were not used must be affected to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	0	0	0	0	0
5. Cals	0	0	0.,;	0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	0	0	. 0
9. Non-human Primates	0	0	0	0	. 0
10. Sheep	0	0	0		0 -
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
Roosters	0	24	0	0	24
13. Other Animals Rats	72	164	0	:0	164
Mice	412	550	0	- 15 B	550
Pigeons	13	- 0 :	0		13
Reptiles	37	0	0	Sia Carlo	37.

- 1). Professionally acceptable standards governing the name, treatment, and use of animals, including approxiate use of anissthetic, analgests, and tranquitioning drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research legility.
- 2) Fach principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the This incinity is automity to the standards and regulations under the Act, and it has impured that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Uso Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- a) The attending veterinarian for this research launity has appropriate outbonly to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Exertify that the abrive is true, cournet, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Pinit)

DATE SIGNED

PHIS FORM 7023 (AUG 91)

(Asplaces VS FORM 18-23 (OCT 88), which is absolute )

P. 04/06 9695 912 616 NRDH HPHIS AC

11:05 400-53-1999

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

# 1. REGISTRATION NO.59

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name INCOURTERS RESEARCH FACILITY (Name and Address as register include Zip Gode) Brookdale Hospital Medical Center 1 1275 Linden Blvd. University Center

nd Address, as registered with USDA

Brooklyn, NY 11212 Status: Active

NOV	0	2	1999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Siles)

See Attached

Aaron Bldg., Room 323,327,328,329,330,331

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred. conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL:  (Cols. C + D + E)
4. Dogs			5		5
5. Cals		,		,	
6. Guinea Pigs	,				
7. Hamsters					
B. Rabbits			45		45
9. Non-human Primates					
10. Sheep					
11 Pigs					
12. Other Farm Animals					
13. Other Animals					
Rats			220		220

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of aniesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

(Chief Executive Officer or	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) e, correct, and complete (7 USC Section 2143)
Cb)(6)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)  (b)(c), (b)(7)(c)  10.23.99

See reverse side for additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
New York Medical College

Dept of Comparative Medicine
Basic Science Building
Valhalla, NY 10595
Status: Active

OCT 1 1 CGC

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A) B. Number of E. Number of animals upon which teaching. C Number of D. Number of animals upon animals being experiments, research, surgery or tests were animals upon which experiments, bred. Animals Covered which leaching, conducted involving accompanying pain or distress teaching, research, conditioned, or to the animals and for which the use of appropriate By The Animal research, surgery, or tests were TOTAL NO Welfare Regulations held for use in anesthetic, analgesic, or tranquilizing drugs would experiments, or conducted involving OF ANIMALS teaching, testing, lests were have adversely affected the procedures, results, or accompanying pain or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of experiments. conducted distress to the animals research, or (Cols. C + D + E) on pnivlovni and for which appropriate surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or vet used for such use of painanimals and the reasons such drugs were not used tranquilizing drugs were purposes. must be attached to this report). relieving drugs used 224 Dogs 224 0 Cats 22 22 Guinea Pigs 20 20 Hamsters 69 69 8. Rabbits O Non-human Primates 0 10. Sheep 0 11. Pigs 0 12. Other Farm Animals 0 13. Other Animals

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(Chief Executive Officer or	QUARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) ue, correct, and complete (7 USC Section 2143)
APHIS FORM 7023 (Replaces VS FORM 18-23 (OCT 88) which is	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)  (A) (A) (7) (C)  DATE SIGNED  10/7/99

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Hobart and William Smith

Basic Science Building Geneva, NY 14456 Status: Active

ECEI

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles) See Attached

HOBART & WM. SMITH CON				(b)(a), (a)(7)	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.)					
A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F. TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats	,	24 (Preserve	! specimans)		
6. Guinea Pigs	'e				
7. Hamsters					
8. Rabbits					
9. Non-human Primates				·	
10. Sheep				· ·	
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
				51-1 A 10-1	
ASSURANCE STATEMENTS		<u> </u>			

### **ASSURANCE STATEMENTS**

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

(Chief Executive Officer or l	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) e, correct, and complete (7 USC Section 2143)	)(b)(G)(r)(c)
OF C.E.O. OR INSTITUTIONAL DEFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Prival	DATE SIGNED

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCI

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.65 2 IROUGH 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Basic Science Building Albany, NY 12222 Status: Active

include Zip Code) State University of New York 1400 Washington Avenue

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held process. Attach additional sheets if necessary.) FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adjultional sheets if necessary or use APHIS FORM 7023A) B. Number of E. Number of animals upon which teaching, C Number of D. Number of animals upon animals being experiments, research, surgery or tests were animals upon which experiments. **Animals Covered** bred. which leaching. conducted involving accompanying pain or distress teaching, research, to the animals and for which the use of appropriate conditioned, or research, By The Animal surgery, or tests were TOTAL NO held for use in anesthetic, analgesic, or tranquilizing drugs would Wellare Regulations experiments, or conducted involving OF ANIMALS teaching, testing, have adversely affected the procedures, results, or tests were accompanying pain or interpretation of the teaching, research experiments. conducted distress to the animals research, or experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these on parvlovni (Cols. C + D + E) and for which appropriate surgery but not pain, distress, or anesthetic, analgesic, or vet used for such use of painanimals and the reasons such drugs were not used tranquilizing drugs were purposes. must be attached to this report). relieving drugs. used Dogs 0 Cats 6. Guinea Pigs 82 25 115 0 Hamsters 222 8. Rabbits 9. Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of anunals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Annual Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

ominor care and use		
(Chief Executive Officer or	LUARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official)  or, correct, and complete (7 USC Section 2143)	7)(0)
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (b)(7)(C)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)  (b)(6)  (b)(7)(L)  70/2	5NED

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRAJION MB71 21R0071

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
St. Luke's-Roosevelt

432 West 58th Street, Room 207

Basic Science Building

New York, NY 10019 Status: Active NOV 2.9 1999

224

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach administrate) in necessary or use APHIS FORM 7023A.) Number of Number of animals upon which teaching, experiments, research, surgery or tests were C Number of D. Number of animals upon animals upon animals being which experiments, which leaching, **Animals Covered** bred. conducted involving accompanying pain or distress teaching, research, conditioned, or to the animals and for which the use of appropriate By The Animal research. TOTAL NO surgery, or lesis were Wellare Regulations held for use in anesthetic, analgesic, or tranquilizing drugs would experiments, or conducted involving OF ANIMALS teaching, testing. lesis were have adversely affected the procedures, results, or accompanying pain or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of experiments. conducted distress to the animals research, or involving no (Cols. C + D + E) and for which appropriate surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or vet used for such use of painanimals and the reasons such drugs were not used tranquilizing drugs were purposes. must be attached to this report). relieving drugs. 0 0 10 0 10 4. Dogs Cats Guinea Pigs 0 0 54 0 Hamsters 54 0 0 22 0 22 Rabbits Non-human Primates 0 0 12 0 12 10. Sheep 11. Pigs 0 O 12 12. Other Farm Animals 13. Other Animals ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approximate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(Chief Executive Officer of	OQUARTES RESEARCH FACILITY OFFICIAL or Legally Responsible Institutional Official) true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE DE C. P. OR LESTITUTION	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED

APHIS FORM 7023 (AUG 91) (Replaces VS FOR CT 88), which is obsolete)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NOTE

21R0072

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip (Code) include Zip (Code)

Research Resources Management

1275 York Avenue New York, NY 10021 Status: Active

326

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

4 193

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquitizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	Ø	0	9	0	9•
5. Cats	0	. 0	0	0	. 0
6. Guinea Pigs	۰ ۵	0	0	0	0
7. Hamsters	0	5	27	0	32
8. Rabbits	0	176	19	0	195
9. Non-human Primates	0 ·	0	- 7	0	7
10. Sheep	0	0	0	0	0
11. Pigs	0	0	29	0	29
12. Other Farm Animals	0	0	0	0	0
13. Other Animals	0	0	0	0	0
ASSURANCE STATEMENTS				्रहें क <sup>ो</sup> वि <b>गलियाँ</b>	

### SURANCE STATEMENTS

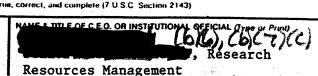
- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

" (b)(b) (b)(7)(c)



DATE SIGNED

APHIS FORM 7023 (Re (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

21R0072

### FACILITY SITES LISTING

Licensee/Rediscranc Name:	Menorial block necessing causes senses
License/Registration Number:	21-R-0072
to include all remiested	t house regulated animals under the above number. Be information. If the line does not apply, please mark three (3) sites copy this form as many times as needed
Site No.: 1 Name/Department	: Research Animal Resource Center
Address	: 430 East 67th Street
	New York, NY 10021
Building	: Rockefeller Research Labs
	12th Floor (b)(c), (b)(7)(c) Phone No.:
Contact Person	THORE NO.
Site No.: 2 Name/Department	: Research Animal Resource Center
Addres	425 East 68th Street
	New York, NY 10021
Buildin	: <u>Kettering Laboratory Building</u>
Floor/Room	n: Basement, 3,10,11 Flours
Contact Perso	(b)(6)(b)(7)(c) (b)(6)(b)(7)(c)
Site No.: 3 Name/Departmen	: Cornell University Med. College
Addres	: 1300 York Avenue
	New York, NY 10021
Buildin	g: <u>Harkness Building</u>
Floor/Roo	n: _7th Floor
Contact Perso	(b)(4),(b)(7)(c)  Phone No.: (b)(6),(b)(7)(c)

See reverse side for additional information

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.74

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

4TH FLOOR "Q" BUILDING

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Nassau County Medical Center

Biomedical Research Facility 2201 Hempstead Turnpike East Meadow, NY 11554

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual re	esearch, testing, teaching, or experimentation, or held for these -purpose:	s. Attach additional
sheets if necessary.)		•

**FACILITY LOCATIONS (Siles)** 2ND & 3RD FLOOR "F"BUILDING

REPORT OF ANIMALS USED BY C	R UNDER CONTROL OF	RESEARCH FACILITY	' (Attach adiditional sheets if ne	cessury or use APHIS FORM 7023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs			20		20
5. Cats					
6. Guinea Pigs		129			189
7. Hamsters				<b></b>	
8. Rabbits			5		<b>(</b> 4)
9. Non-human Primates				<b></b>	
10. Sheep				- <del></del> ,	
11. Pigs					
12. Other Farm Animals	-				
				,	
13. Other Animals				A A A	
	٠	:		1000	
				4. DEC 03 1929	
ASSURANCE STATEMENTS					

### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

	CERTIFICATION BY HEADQUAR	TES RESEARCH FACI	LITY OFFICIAL
**	(Chief Executive Officer or Legal	ly Responsible Instituti	onal Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

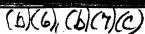
DATE SIGNED

11/30/99

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )



UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

21-R-0075

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

(TYPE OR PRINT

NY State Psychiatric Institute 722 West 168th Street

10032

2201 Hempstead Turnpike

New York, NY

NOV 9 9 1999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles) &
See Attached

REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	' (Altach adidilional sheets if ne	cessary or use APHIS FORM 7023A.)	
A.  Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats	·		48		48
6. Guinea Pigs					
7. Hamsters					<u> </u>
8. Rabbits					
9. Non-human Primates		28	2		30
10. Sheep					
11. Pigs					
12. Other Farm Animals				-	<del> </del>
Pigeons		31			31_
13. Other Animals					<u> </u>
Mice	147	31,518	3,126		34,644
Rats	25	7,330	1,759		9,682

### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL.  (Chief Executive Officer or Legally Responsible Institutional Official)  1 certify that the above is true, correct, and complete (7 U.S.C. Section 2143).			
SIGN OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)  NYS Psychiatric Institute	DATE SIGNED	

APHIS FORM 7023 (Replaces VS FORM 18-23 (OCT 88), which is obsolete)

331

See Attached

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

1. REGISTRATION NO.76
212076

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include 7in Code)

include Zip Code)
Maimonides Medical Center

4802 10th Avenue 2201 Hempstead Turnpike

NOV 1 8 1999

Brooklyn, NY 11219 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets il necessary.)

Maimonides Medical Center
Edward Neimath Building

4802 10th Avenue

REPORT OF ANIMALS USED BY			(Allach administrational sheets if he		
A.  Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs	35	0	35		35
5. Cats	N/A	N/A	N/A		N/A
6. Guinea Pigs	N/A	N/A	N/A		N/A
7. Hamsters	N/A	N/A	N/A		N/A
8. Rabbits	10	0	10		10
9. Non-human Primates	N/A	N/A	N/A		N/A
10. Sheep	4	0	4		4
11. Pigs	12	0	12		12
12. Other Farm Animals	*. *				
13. Other Animals					
Mice	200 – -	0	200		200
Rats	150	0	150	Sept. Control of the second of	150
		·			

### SURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

## CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

et Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

1-8-99

See reverse side for additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION 19077

ZIR 0077

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Lehman College

Office of Grants & Contracts 250 Bedford Park Blvd West Bronx, NY 10468

Status: Active

433

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets it necessary or use APHIS FORM 7023A) B. Number of C Number of D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments, conducted involving accompanying pain or distress **Animals Covered** bred. which teaching, leaching, research, surgery, or lests were to the animals and for which the use of appropriate conditioned, or research. By The Animal TOTAL NO Wellare Regulations held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS conducted involving teaching, testing, have adversely affected the procedures, results, or lesis were accompanying pain or interpretation of the teaching, research, experiments, conducted distress to the animals involving no experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these research, or (Cols. C + D + E) and for which appropriate surgery but not pain, distress, or anesthetic, analogsic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were purposes. relieving drugs. must be attached to this report). used Dogs Cats Guinea Pigs Hamsters 8. Rabbits 20 20 Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures

**ASSURANCE STATEMENTS** 

- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 USC Section 2143)					
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (6)(6)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)  (b)(6) (c)(7)(c)	DATE SIGNED			
A RM 7023 Naces VS FORM 18-23 (OCT 88), which is	obsolete )				

result in an order to cease and	desist and to be sobject	i to penames as provid	bed for in Section 2150.	additional information.	0700-DQA-AN	
	ITES DEPARTMENT OF / PLANT HEALTH INSPE		1. REGISTRAZIO	21R0078	FORM APP OMB NO. 0	579-0036
ANNUAL REPOR	RT OF RESEAF	RCH FACILITY	include Zip Equ	RS RESEARCH FACILITY (Name and A (E) College/Medical School ( vent Avenue & 138th Street Bedford Park Blvd West	of CUN	I with USDA
435	YPE OR PRINT)	EL UUI	2 8 1999 U New Sta	York, NY 10031 tus: Active		
3. REPORTING FACILITY (List all sheets if necessary.)	locations where animals	were housed of asea	in actual research, testing, lead	ching, or experimentation, or held for th	ese purposes. Attac	ch additional
See Attacked 32	low	FAC	CILITY LOCATIONS (Siles)			
Science Blda.		4				
REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	F RESEARCH FACILITY	f (Alfach adiditional sheets if ne	cessary or use APHIS FORM 7023A)		h
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such	C Number of animals upon which feaching, research, experiments, or fests were conducted involving no pain, distress, or use of pain-	D. Number of animals upon which experiments, feaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were	E. Number of animals upon which te experiments, research, surgery or conducted involving accompanying to the animals and for which the unaesthetic, analgesic, or tranquility have adversely affected the process interpretation of the teaching, res	lests were g pain or distress use of appropriate zing drugs would edures, results, or earch, n explanation of r distress in these	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	purposes.	relieving drugs.	used.	must be attached to this report).		
5. Cats					· ,	
6. Guinea Pigs						
7. Hamsters		·				,
8. Rabbits					·	
9. Non-human Primates				· · · · · · · · · · · · · · · · · · ·	· ·	
10. Sheep						
11. Pigs						
12. Other Farm Animals	ļ		:			
13. Other Animals				• •		
13. Other Arminals						
Naked mole-rats	302	9			-	311
SCHOOLS CTATEMENTS			<u>-</u>		<u> </u>	

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

	(Chief Executive Officer	DQUARTES RESEARCH FACILITY OFFICIAL (66, 6) (7)(0) or Legally Responsible Institutional Official) strue, correct, and complete (7 USC Section 2143)	
SIGNATURE OF C.E.O. OR INST	(6)(7)(c)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)  (b)(C)  (b)(T)(C)  70/26/9	
APHIS FORM 7023	Replaces VS FORM 18-23 (OCT 88), which		

See reverse side for additional information Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.81

FORM APPROVED

2. HEADQUARTERS RESEARCH FACILITY (Name and Audress, as registered with USDA include Zip Code) Hontefiore Medical Center —

> 111 East 210th Street Bronx, NY 10467

Research & Sponsored Programs 2 4 4 4

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for thee- purposes - artisch politicinal sheets if necessary)

FACILITY LOCATIONS (Siles)

See Attached

Central Building, 5th Floor

Animals Covered By The Animal Wellare Regulations	B Number of animals being bred. conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (COIs. C + D + E)
4. Dogs	8	- 1	59		67
5. Cats	, =		_	_	0 -
Guinea Pigs	_	7	10		10
7. Hamsters	-	~	<i>-</i>	<u> </u>	. J
8. Rabbits	12	~	1		13
Non-human Primates	7	-			0
10. Sheep					0
11. Pigs	2	_	6		8
12. Other Farm Animals	-		_	_	<u> </u>
13. Other Animals		_			
	<u> </u>				<del> </del>

#### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the tims facility is adjecting to the standards and regulations short the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) (6)(6)

DATE SIGNED

CO INSTITUTIONAL OFFICIAL

Montefiore Mediccal Cente (Replaces VS\_FORM 18-23 (OCT 88), which is obsolete )

APHIS FORM 7023

1. REGISTRATION NO. 3

FORM APPRI **OMB NO 057** 

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered v include Zip Code)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

WESLEYAN UNIVERSITY

NORTH COLLEGE - HIGH STREET

Middletown CT 06459

ATTN

<ol> <li>REPORTING FACILITY (List all locations where animals were housed or used in actual research, testis sheets it necessary.)</li> </ol>	ing, teaching	or ext	erimentation	or held for these	purposes.	Allaci
sheets if necessary.)		(6	) (A	) ( 7 ) ( C	)	

**FACILITY LOCATIONS (Siles)** 

SITE: 001 - Shanklin Laboratories

257 Hall Atwater

Middletown

CONTACT:

REPO	RT OF ANIMALS USED BY OF		<del></del>		cussary or use APHIS FORM 7023A)
<b>A</b>	Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).
4.	Dogs				
5.	Cats				
6.	Guinea Pigs				
7.	Hamsters			ED ANIMALS USED	
8.	Rabbits			ANIMALS	
9.	Non-human Primates		COVE	EU	
10.	Sheep		NO		
11.	Pigs		· .		
12.	Other Farm Animals	/			
					12
13.	Other Animals				

#### ASSURANCE STATEMENTS

- Prolessionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, pr and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of off animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

INSTITUTIONAL OFFICIAL

NAME & TITLE OF C. E.O. OR INSTITUTIONAL OFFICIAL (Type or Prin

**APHIS FORM 7023** (AUG 91)

SIGNATUR

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

16R0001

FORM APPR OMB NO. 05

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered include Zip Code)
John B. Pierce Laboratory, Inc.

290 Congress Avenue 21 Mugar Bldg

New Haven, CT 06519

Status: Active

NOV 2.9 1

¥50

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attact sheets if necessary.)

FACILITY LOCATIONS (Sites)

See Attached

The John B. Pierce Laboratory, Inc.

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A)

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquikizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).
4. Dogs	0	0	0	0
5. Cats	0	0	0	0
6. Guinea Pigs	0	47	0	0
7. Hamsters	0	0	426	0
8. Rabbits	0	0	0	0
9. Non-human Primates	0	0	0	. 0
10. Sheep	0	0	0	0
11. Pigs	0	0.	0	0
12. Other Farm Animals	0	0	0	0
13. Other Animals	0	0	0	0

#### **ASSURANCE STATEMENTS**

- 1). Prolessionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, pr and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of off annual care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

IIS FURM 7023

(AUG 91)

replaces VS FORM-18-23 (OCT 88), which is obsolete)

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

sheets if necessary)

See Attached

1. REGISTRATEON 1007 16R000

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Hartford Hospital

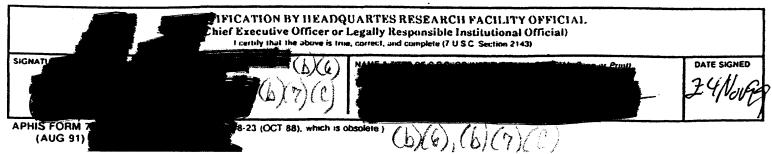
80 Seymour Street P.O. Box 5037 Hartford, CT 06102-5037

FACILITY LOCATIONS (Sites)

Status: Active 3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adjutional sheets if necessary or use APHIS FORM 7023A.) B. Number of C Number of E. Number of animals upon which teaching, D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments. bred. **Animals Covered** which leaching, conducted involving accompanying pain or distress teaching, research, By The Animal conditioned, or research, to the animals and for which the use of appropriate TOTAL NO. surgery, or lesis were anesthetic, analgesic, or tranquilizing drugs would Welfare Regulations held for use in experiments, or conducted involving OF ANIMALS teaching, testing, have adversely affected the procedures, results, or interpretation of the leaching, research. lesis were accompanying pain or experiments, conducted distress to the animals research, or involving no experiments, surgery, or tests. (An explanation of (Cois. C + D + E) and for which appropriate surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were purposes. must be attached to this report) relieving drugs. used. 0 1 44 0 Dogs 44 0 0 0 Cats 0 0 0 0 0 0 0 Guinea Pigs 0 0 0 0 0 Hamsters 0 7 97 0 97 Rabbits 0 0 0 Non-human Primates 0 0 5 0 0 1 10. Sheep 1 8 0 73 0 11. Pigs 73 0 0 0 0 12. Other Farm Animals 0 0 0 0 13. Other Animals 0 0 **ASSURANCE STATEMENTS** 

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, Professionally acceptable standards governing the care, treatment, and use of animal professionally acceptable standards governing the care, treatment, and use of animal procedures and following actual research facility.
- 2). Each principal investigator has considered alternatives to poinful procedures.
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
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See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.08

16R0008

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Code) University of Connecticut

Research Foundation, Box U-133 438 Whitney Road Extension Storrs, CT 06269-1133

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

**FACILITY LOCATIONS (Siles)** See Attached

<u> </u>	<del></del>		(Altach adiditional sheets if ne	cussary or use APHIS FORM 7023A)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	. 0	0	0	0
5. Cats	1	0	4	0	4
6. Guinea Pigs	0	124	0	0	124
7. Hamsters	80	100	0	. 0	180
8. Rabbits	51	, 349	83	0	483
9. Non-human Primates	0	0	0	. 0	0
10. Sheep	0	0	0	0	0
11. Piqs	75	30	. 0	0	105
12. Other Farm Animals					·
Dairy Cattle	0	105	0	· · · · · 0	105
13. Other Animals					
Mole Rats	176	112	0	. 0	288

#### **ASSURANCE STATEMENTS**

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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNE 10/21/9

APHIS FORM 7023 (AUG 91)

SIGNATURE OF C.E.O. OF

mepiaces vs FORM 18-23 (OCT 88), which is obsolete)

(b)(c) (b)(7)(c)

See reverse side for additional information Interagency Report 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO 10

16R0010

FORM APPRO

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered wi include Zip Cole) in Pharmaceuticals, Inc.

25 Science Park, Suite 360 438 Whitney Road Extension New Haven, CT 06511 Status: Active

NOV 291

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

467

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach sheets if necessary.)

FACILITY LOCATIONS (Siles)

Alexion Pharmaceuticals, Inc.

Columbus Farming Corporation

University Of Connecticut

REPORT OF ANIMALS USED BY	SITY OF CO	RESEARCH FACILITY	(Attach adiditional sheets if ne	cussury of use APHIS FORM 7023A)
Anunals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquitizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).
4. Dogs				
5. Cats		1		
6. Guinea Pigs				
7. Hamsters				
8. Rabbits				
9. Non-human Primates				·
10. Sheep				
11. Pigs	59	49		
12. Other Farm Animals				
				,
13. Other Animals				
				<u> </u>
		<u> </u>		

## ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prisand following actual research, leaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explain principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals af
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

(b)(b) (b)(7)(c) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

APHIS FORM 7023 (Replaces VS FORM 18-23 (OCT 88), which is obsolete (AUG 91)

(b)(b), (b)(7)(c)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO.11 1612001

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA,

include Zip Code) University of Hartford

Status: Active

438 Whitney Road Extension NOV 9. 1999
West Hartford, CT 06117

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

See Attached

University of Hartford

200 Bloomfield Avenue West Hartford, CT 06117

Dana Hall, Room 310, 318,337

Biology Department

REPORT OF ANIMALS USED BY		RESEARCH FACILITY	(Altach adiditional sheets if ne	cessury or use APHIS FORM 7023A)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of aniinals upon which teaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	0				
5. Cats	0				
6. Guinea Pigs	0				<u> </u>
7. Hamsters	0				
8. Rabbits	0	·			·
9. Non-human Primates	0				
10. Sheep	0				
11. Pigs	0				
12. Other Farm Animals	0				,
13. Other Animals	0				
*					
		·			
ASSURANCE STATEMENTS					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

	C	ERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
GAYN.	MYGNIN	(Chief Executive Officer or Legally Responsible Institutional Official)
AMELL	TRX TYPI	(Chief Executive Officer or Legally Responsible Institutional Official) t certify that the above is true, correct, and complete (7 U.S.C. Section 2143).
JUNE 1	IDITICI	regriny that the above is true, correct, and complete to 0.0.0. Section 2.1-3).

SIGNATURE OF CE CIAL

NAME & TITLE OF C. F.O. OO INSTITUTIONAL OFFICIAL (Type or Print)

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

1. REGISTRATION NO.

16-R-0012

FORM APPROVED OMB NO 0579-0036

include Zip Code) Bayer Corporation 400 Morgan Lane

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, enregistered with USDA OCT 29 1999

(TYPE OR PRINT) West Haven, CT 06516

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) **FACILITY LOCATIONS (Siles)** 

REPORT OF ANIMALS USED BY C	R UNDER CONTROL OF	RESEARCH FACILITY	(Altach adiditional sheets if ne	cessary or use APHIS FORM 7023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs		37			37
5. Cats		0			0
6. Guinea Pigs		0			0
7. Hamsters		0			0
8. Rabbits		159			159
9. Non-human Primates		0			0
10. Sheep		0			0
11. Pigs		0			0
12. Other Farm Animals		0			0
13. Other Animals		0		- <u> </u>	0

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approrate use of anesthetic, analgesic, and tranquitizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

С	ERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFF	TCIAL.
and and and	(Chief Executive Officer or Legally Responsible Institutional Offic	ial), , ,
MG. (6)(7)(0)	Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)	Ш.

DATE SIGNED

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

(b)(b)(7)(c)

812

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

16R0015

FORM APPRO

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with include Zip Code) ity College

300 Summit Street

438 Unitney Road Extension

438 Whitney Road Extension Hartford, CT 06106 Status: Active

1 2 9. 10

				NUL
3. REPORTING FACILITY (List all sheets if necessary.)	locations where animals	were housed or used i	n actual research, testing, teac	hing, or experimentation, or held for these purposes. Attac
See Attached		FAC	CILITY LOCATIONS (Siles)	
	hemistry	Departr	ant	
	`	. 1		
REPORT OF ANIMALS USED BY	OR UNDER CONTROL OF	RESEARCH FACILITY	(Altach adiditional sheets if ne	cessary or use APHIS FORM 7023A)
A. Animals Covered By The Animal Weltare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).
4. Dogs				
5. Cats				
6. Guinea Pigs	0_	70		
7. Hamslers				
8. Rabbits				- '
9. Non-human Primates				
10. Sheep				
11. Piqs		<u></u>		
12. Other Farm Animals				
13. Other Animals				

#### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, pric and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of othe animal care and use

	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
	(Chief Executive Officer or Legally Responsible Institutional Official)
(b)(b)(7)(c)	Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)
12167 DILLIVET	

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(b)(b), (b)(7)(c)

See reverse side for additional information. Interagency Repo 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 17 16R001

FORM APPI OMB NO. 05

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered include Zip Code)
Connecticut College

270 Mohegan Avenue 438 Whitney Road Extension New London, CT 06320

Status: Active

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attack sheets if necessary.) FACILITY LOCATIONS (Siles) See Attached

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).
4. Dogs				
5. Cats				•
6. Guinea Pigs				
7. Hamsters				
8. Rabbits				
9. Non-human Primates				
10. Sheep				•
11. Pigs		·		
12. Other Farm Animals				
13. Other Animals		No regulate	d .	
		species		

#### **ASSURANCE STATEMENTS**

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anesthetic, analgesic, and tranquilizing drugs. P and following actual research, leaching, lesting, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and expla principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals a
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type

HIS FORM 7023 (AUG 91)

F88), which is obsolete)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO. 16R0025 FORM APPROVE OMB NO 0579-00

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with University of Connecticut Health Center 263 Farmington Avenue

> Farmington, CT 06032 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach ad-

FACILITY LOCATIONS (Siles)

University of Connecticut Health Center

263 Farmington Avenue

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bret, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	O Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).
4. Dogs	0	0	0	0
	4	0	9	0
5. Cats	12	0	150	0
6. Guinea Pigs 7. Hamsters	0	21	43	0
8. Rabbits	14	42	148	0
9. Non-human Primates	2	0	23 <sup>-</sup>	0
10. Sheep	0	0	0	0
11. Pigs	14	0	73	0
12. Other Farm Animals			<u> </u>	
13. Other Animals	<u> </u>			
14 Gerbil	0	0	36	0
15. Chinchilla	0	0	5	0

#### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility
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- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other annual care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

Exertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

(AUG 91)

ores (OCT 88), which is obsolute)



ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.26

16R 000

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Quinnipiac College

Mt. Carmel Avenue P.O. Box 125

Hamden, CT 06518 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

See Attached

Vivarium - Buckman Center

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	2	2		4
5. Cats	0	3	0		3
6. Guinea Pigs	·				
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals	·				
		·			
					ļ

- Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

SIGNA

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

**APHIS FORM 7023** (AUG 91)

(Replace:

3), which is obsolete)

## 1. REGISTRATION NO. 28 16R 00 2

FORM APPROVED OMB NO 0579-0036

301

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
U.S. Surgical Corporat 150 Glover Avenue P.O. Box 125

> Norwalk, CT 06856 Status: Active

10-1-98 thru 9-30-99

See Attached

United States Surgical Corp. 150 Glover Avenue, Norwalk, CT

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary )

FACILITY LOCATIONS (Siles)

United States Surgical Corp. 2.195 McDermott, North Haven, CT REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM 7023A.) B. Number of C Number of Number of animals upon which teaching, Number of animals upon animals upor animals being experiments, research, surgery or tests were which experiments, conducted involving accompanying pain or distress to the animals and for which the use of appropriate Animals Covered bred, which leaching, leaching, research, By The Animal conditioned, or research, TOTAL NO surgery, or tests were Welfare Regulations held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would conducted involving OF ANIMALS teaching, testing, tests were have adversely affected the procedures, results, or accompanying pain or experiments, interpretation of the teaching, research, conducted involving no research, or experiments, surgery, or tests. (An explanation of (Cols. C + D + E) and for which appropriate surgery but not the procedures producing pain or distress in these pain, distress, or anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were purposes. relieving drugs must be attached to this report). Dogs 200 200 Cats Guinea Pigs 6. 7. Hamsters Rabbits Non-human Primates 10. Sheep 0 11. Pigs 101 101 12. Other Farm Animals 13. Other Animals

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(Chief Executive Officer or I	UARTES RESEARCH FACILITY OFFICIAL (b) (c), (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	
SIGNATURE OF C.E.	United States Surgical	DATE SIGNED

Total

**ASSURANCE STATEMENTS** 

1. REGISTRATION NO. 16-R-0031 6R003

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Sea Research Foundation, Inc.

55 Coogan Boulevard

P.O. Box 368

Mystic, CT 06355-1997

Status: Active

- NOV 0 8 1999

56

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles) See Attached

<u>Mystic Aquarium</u> 55 Coogan Blvd.

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, 'analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMAL:  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters			·		
8. Rabbits		,			
9. Non-human Primates					
10. Sheep					
11. Pigs	-		·		
12. Other Farm Animals		•			
2					
13. Other Animals					
ıga whale	0	3	0	0	3
- <del>:lenose dolphin</del>	0	3	0	0	3

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

AL OFFICIAL

DATE SIGNED

Mystic Aquarium

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

3 Nov 99

**APHIS FORM 7023** (AUG 91)

SIGN

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

1. REGISTRATION NO.

include Zip Codel

FORM APPROVED OMB NO. 0579-0036

16-R-0031

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

## CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Sea Research Foundation, Inc.

55 Coogan Blvd Mystic, CT 06355

. NOV 08 1999

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<b>3</b> 6			and the second control of	assam or use this form)	
REPORT OF ANIMALS USED BY OR	UNDER CONTROL OF	RESEARCH FACILITY	(Attach adminional sheets if hec	E. Number of animals upon which teaching,	F
Animals Covered By The Animal Wellare Regulations  12 &/OR 13 Other (Ust by species)	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	TOTAL NO OF ANIMALS  (COIS. C + D + E)
Steller sea lie	n O	7	0	0	7
Northern fur se	al 0	16	0	0	16
Warhar goal	0	7	0	0	7
Harbor seal		3	0	0	3
Grey seal	0	<u> </u>			
			<u> </u>		

- Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during and following actual research, leaching, lesting, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the this facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the histitutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the spisies and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

animal care and use CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Exertify that the above is true, correct, and complete (7 U.S.C. Section 2143) DATE SIGNED NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) SIGN 3 Nov 99 Mystic Aquarium

1. REGISTRATION NO. 35 16R 0035

FORM APPRO

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered w include Zip Code)
Protein Sciences Corporation

1000 Research Parkway

P.O. Box 368 Meriden, CT 06450 Status: Cancelled

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach sheets if necessary.)

FACILITY LOCATIONS (Siles)

See Attached

Protein Sciences Corporation

1000 Research Parkway, Meriden, CT 06450

REPORT OF ANIMALS USED BY (	OR UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A)
Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).
4. Dogs	N/A	N/A	N/A	N/A
5. Cals	N/A	N/A	N/A	N/A
6. Guinea Pigs	0	0 .	0	0
7. Hamsters	N/A	N/A	N/A	N/A
8. Rabbits	0	0	0	0
Non-human Primates	N/A	N/A	N/A	N/A
10. Sheep	N/A	N/A	N/A	N/A
11. Pigs	N/A	N/A	N/A	N/A
12. Other Farm Animals	N/A	N/A	N/A	N/A
13. Other Animals				
**** Mice ****	0	0	0	0

#### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, p
  and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
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- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explainmental investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of or animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

Legally that the above is true, correct, and complete (7 USC Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolete) (b)(6), (b)(5)

1. REGISTRA WORL NO. 37 16 R 0037

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include

163 Old New London Road P.O. Box 2008

Future Promise, Road Research Center

Salem, CT 06420

DEC 0 1 1999

ANNUAL REPORT OF RESEARCH FACILITY	
(TYPE OR PRINT)	

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

Fiture Promise Research Center LOCATIONS (Siles)
163 Old New London Rd
Salem CT. 06420

animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no	D. Number of animals upon which experiments, feaching, research, surgery, or fests were conducted involving accompanying pain or distress to the animals.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or	F.  TOTAL NO  OF ANIMALS
purposes.	pain, distress, or use of pain- relieving drugs.	and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	(Cols. C + D + E)
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#### SSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approximate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, feaching, festing, surgery, or experimentation were followed by this research facility.
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(Chief Executive Officer or )	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) 4, correct, and complete (7 USC Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (7) (Print)	DATE SIGNED
		11-18-99

## CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY ( TYPE OR PRINT)

1. REGISTRATION NO. 16 R 0037

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address as registered with USDA include Zip Codel

Future Promise -163012 New Landon Rd (1)(7)(0) Salem CT 06420 DEC 0 1 1993

REPORT OF ANIMALS USED BY OF	CONTROL OF	RESEARCH FACILITY	(Attach adulitional sheets if nec	ossary or use this form t	
Animals Covered By The Animal Wettare Regulations  12 &/OR 13 Other (US) by species	B Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain relieving drugs.	D. Number of unimals upon- which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research surgery or tests were conducted involving accompanying pain or distress to the animals and fin which the use of appropriate anesthetic, analysis, or tranquisting drugs would be have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	TOTAL NO OF ANIMAL;  (Cols. C + D + E)
	٥	3	0	0	3_
Bobcats Siberian lynx	Q	١	0	δ	<u> </u>
<u> </u>					
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3 ,					

### ASSURANCE STATEMENTS

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anunal care and se CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Figerity that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OFICE O OF INSTITUTIONAL OFFICIAL

NAME & TITL TOFICE O. OR INSTITUTIONAL OFFICIAL (Type or Pend)

DATE SICHED

11-18-9

APHIS FORM 7023A (AUG 91)

(b)(c) (b)(7)(c)

GART'S HEADQUARTER

See reverse side for additional information.

Interagency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

See Attached

1. REGISTRATION 10039

16R0039

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip County agriculture Experiment Station

123 Huntington Street P.O. Box 1106 New Haven, CT 06504

Status: Active

OCT 2 5 1999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Siles)

EPORT OF ANIMALS USED BY OF	UNDER CONTROL OF	RESEARCH FACILITY	(Attach adictitional sheets if ne	cessary or use APHIS FORM 7023A.)	
A. Animals Covered By The Animal Weltare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL:  (Cols. C + D + E)
. Dogs					
5. Cats					·
5. Guinea Pigs		2		·	2
7. Hamsters		7			7
3. Rabbits		4			4
Non-human Primates			-		·
10. Sheep					
II. Pigs					
12. Other Farm Animals		_			
	•				
3. Other Animals					
White-Footed Mice			54		54
White-tailed deer		3	27		30
Eastern Chipmunk			. 1		1

- Professionally acceptable standards governing the care, freatment, and use of animals, including approvate use of anesthetic, analgesic, and franquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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(Chief Executive Officer or I certify that the above is true	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official)  e, correct, and complete (7 USC Section 2143)	(d)(7)(c)
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
	(b)(b)(7)(c)	10/20/99
APHIS 7023 (Replaces VS FORM 18-23 (OCT 88), which is o	obsolute)	<u>. L </u>

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

06504

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

CONTINUATION SHEET FOR ANNUAL REPORT
OF RESEARCH FACILITY
( TYPE OR PRINT)

1. REGISTRATION NO.

16-R-0039

New Haven, CT

FORM APPROVED OMB NO. 0579-0036

CT Agriculture Experiment Station

OCT 25 1999

123 Huntington Street
P.O. Box 1106

Status:

Active

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Atlach admittional sheets if necessary or use this form ) Number of animals upon which teaching, 8 Number of C Number of D. Number of animals upon experiments, research, surgery or tests were anmais being animals upon which experiments. conducted involving accompanying pain or distress bred. which teaching. teaching, research. Animals Covered to the animals and for which the use of appropriate TOTAL NO conditioned, or research. surgery, or lests were anesthetic, analgesic, or tranquilizing drugs would By The Animal OF ANIMALS held for use in experiments, or conducted involving Welfare Regulations Have adversely affected the procedures, results, or lesis were leaching, lesting, accompanying pain or interpretation of the teaching, research. experiments. conducted distress to the animals experiments, surgery, or tests. (An explanation of (Cols. C + D + E) research, or involving no and for which appropriate the procedures producing pain or distress in these pain, distress, or surgery but not anesthetic, analgesic, or animals and the reasons such drugs were not used yel used for such tranquitizing drugs were use of pain-12 &/OR 13 Other must be attached to this report) purposes relieving drugs. (List by species) Red-backed vole Quail 12 12 Cardinal, Northern 109 109 Catbird, Gray 1 1 Chat, Yellow-breasted 172 172 Chickadee, Black-cap. 1 Crowbird, Brown-head. 24 Finch, House 3 Flycatcher, Least 38 38 Goldfinch, American 1 Grackle, Common 1 Hawk, Sharp-skinned 15 15 Jay, Blue 61 61 Junco, Dark-eyed 8 Kinglet, Golden-crown 7 Kinglet, Ruby-crowned 8 8 Mockingbird, Northern 1 Nuthatch, White-breast 2 Oriole, Northern

## ASSURANCE STATEMENTS

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Similar Care and tree	
(B)(6) (B)(7)(6	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)    Toerrily that the above is true, correct, and complete (7 USC Section 2143)

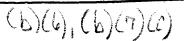
SIGNATURE OF C.E O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

10/20/99

AP RM 7023A



# CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY ( TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with include Zip Code) CT Agriculture Experiment Stat

123 Huntington Street

P.O. Box 1106

New Haven, CT 06504 OCT 251

Status: Active

REPORT OF ANIMALS USED BY OR	UNDER CONTROL OF	RESEARCH FACILITY	(Attach adultional sheets if noo	cossary or use this form (
Animals Covered By The Animal Wellare Regulations	B Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain distress, or use of pain- relieving drugs	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which, appropriate anesthetic, analysisic, or tranquitizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquitizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be effected to this report).
(List by species)		1		
Ovenbird		1		
Parula, Northern				
Phoebe, Eastern		22		
Redstart, American		4	<del>                                     </del>	
Robin,American		88		
Sparrow, American Tr		33		
Sparrow, Chipping		6		
Sparrow, Field		13		
Sparrow, House		12		
Sparrow, Savannah		1		
Sparrow, Song		69		
		20		
Sparrow, Swamp		3		
Sparrow, White-crown	1	195		
Sparrow, White-throat	-	<u> </u>		
Starling, European	<del> </del>	2		
Swallow, Barn		2		
Thrasher, Brown		1		
Thrush, Hermit		12		
Titmouse, Tufted		30		

#### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anesthetic unalgesic, and tranquilizing drugs, professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anesthetic unalgesic, and tranquilizing drugs, professionally acceptable standards governing the care, treatment and use of animals are called the care of animals and tranquilizing drugs.
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animal care and use	
Chief Freentive (	Y HEADQUARTES RESEARCH FACILITY OFFICIAL Officer or Legally Responsible Institutional Official) above is true, correct, and complete (7 U.S.C. Section 2143)
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)
AFE M 7023A (16)	(b)(b)(7)(c) PART I HE

PV.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

I. REGISTRATION NO. 16 - R- 0039 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

FORM APPROVED OMB NO 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Codel CT Agriculture Experiment Station -123 Huntington Street P.O. Box 1106 New Haven, CT Status: Active

REPORT OF ANIMALS USED BY OR	UNDER CONTROL OF	RESEARCH FACILITY	(Attach adklitional sheets if not	essary or use this form t	
	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of unimals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquitizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be effected to this report).	TOTAL NO OF ANIMALS (COIS. C + D + E)
Towhee, Rufous-sided		2			2
Turkey, Wild		3'			3
Veery		4			4
		2			2
Vireo, Red-eyed		6			6
Vireo,White-eyed					1
Warbler, Black &white		1			9
Warbler, Blue-winged		9 ,			1
Wa <u>rbler</u> ,Magnolia		1			
Warbler, Nashville		1			1
Warbler,Palm		2			2
Warbler, Worm-eating		1	·		1
Warbler, Yellow		38			38
Warbler, Yellow-rumpe	d	71			71
Warbler, Yellow-throa		36	·		36
Waterthrush, Northern		1	v		1_1
		3			3
Waxwing, Cedar	<u> </u>	8			8
Woodpecker, Downy					1
Woodpecker, Hairy	<u> </u>	1		·	5
Wern, Bewick's		5			

1) Professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of anesthetic, analysis, and tranquilizing drugs, prior to, during and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility

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animal care and use		
(Chief Executive O	HEADQUARTES RESEARCH FACILITY OFFICIAL fficer or Legally Responsible Institutional Official) above is true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)	DATE SIGNED
		10/20/99

ASSURANCE STATEMENTS

(b)(c), (b)(7)(c)

0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 16 - R - 0039

FORM APPROVED OMB NO. 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address: es registered with USDA include Zip Code) CT Agriculture Experiment Station

123 Huntington Street
P.O. Box 1106
New Haven, CT 06504
Status: Active

Animals Covered By The Animal Welfare Regulations  12 &/OR 13 Other (Ust by species)	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or tests were conducted involving no pain distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analysisc, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquitizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	TOTAL NO . OF ANIMALS  (Cols. C + D + E)
Wren, Carolina		5			5
Vren. House	·	1			11
				,	
		· · · · · · · · · · · · · · · · · · ·			
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- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

animal care and use		
(Chief Executive Officer	DQUARTES RESEARCH FACILITY OFFICIAL or Legally Responsible Institutional Official) s true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
		10/20/44

APH 7023A

(b)(6),(b)(7)(C)

PART I HEADQUARTERS

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1 AEGISTASKIN MOOS SOR OOO

FURM APPROVED GMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Intervet Inc.

405 State Street P.O. Box 318

Millsboro, DE 19966

Status: Active

See Attached

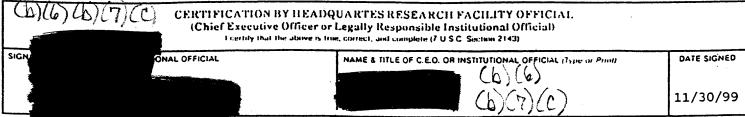
3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testern, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary ) FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Affach administrates if necessary or use APHIS FORM 1023A) Number of C Number of Number of animals upon which teaching, D. Number of ammals upon animals being animals upon experiments, research, surgery or tests were which experiments, Animals Covered bred which leaching, conducted involving accompanying pain or distress leaching, research. conditioned, or to the animals and for which the use of appropriate By The Anunal research. TOTAL NO Surgery, or lesis were Welfare Regulations held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS conducted involving leaching, lesting, lesis were have adversely affected the procedures, results, or accompanying pain or interpretation of the leaching, research, experiments. conducted distress to the animals research, or experiments, surgery, or tests. (An explanation of involving no (Cols. C + D + E) and for which appropriate pain, distress, or surgery but not the procedures producing pain or distress in these anesthetic, analgesic, or vet used for such animals and the reasons such drugs were not used use of pain-Iranquilizing drugs were must be attached to this report). purposes. relieving drugs 268 45 6 319 4. Dogs 444 72 32 548 Cats 134 121 255 Guinea Pigs 1980 2020 4000 Hamsters 773 833 8. Rabbits Non-human Primates 10. Sheep 3675 11. Pigs 328 4003 12. Other Farm Animals 13. Other Animals

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of anesthetic, analysis, and transplicing drugs, prior to, during. and following actual research, teaching, testing, surgery, in experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures

ASSURANCE STATEMENTS

- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Annual Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of ummal care and use



(b)(4)

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION MOOG SOR OOC

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) University of Delaware

020-C Wolf Hall

Newark, DE 19716 Status: Active

NOV 29 1999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites)

020 Wolf/McKinly Hall

126 Worrilow Hall

Animals Covered By The Animal Wellare Regulations	B Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	2	0	2
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	12	0	12
9. Non-human Primates	. 0	0	0	0	0
10. Sheep	0	0	þ	0	0
11. Pigs	0	0	0.	0	0
12. Other Farm Animals	0	0	0	.0	0
13. Other Animals	0	0	0	0	0
					3

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

, NOV 0 8 1999

1. REGISTRATION SOR ODO

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Code) Nemours Foundation, The

P.O. Box 269 (1800 Concord Pike) Wilmington, DE 19899 Status: Active

Alfred I. DuPont Hospital for Children 1600 Rockland Road Wilmington, De. 19899 Status Active

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** See Attached Alfred I.duPont Hospital for Children

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs		·	,		
7. Hamsters					
8. Rabbits	0	8	0	0	8
9. Non-human Primates					
10. Sheep			·		
11. Pigs	0	0	30	0	30
12. Other Farm Animals					
	·				
13. Other Animals		,			
	·				
				•	

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

1. REGISTRATION NOTE

SORON

FORM APPROVED OMB NO. 0579-0036

 HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Analytical Biological Services Inc

Cornell Business Park 701-4
(1800-Concord Pike)

Wilmington, DE 19801 Status: Active

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ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

PERCETING

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

See Attached FACILITY LOCATIONS (Sites)

701-4 Cornell Business Park

Wilm, DE 19801

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cois. C + D + E)
4. Dogs	0				0
5. Cats	0				0
6. Guinea Pigs	505				505
7. Hamsters	0		· \ .		0
8. Rabbits	0		, ,		0
9. Non-human Primates	0				0
10. Sheep	0				0
11. Pigs	0				0
12. Other Farm Animals	0			·	0
				•	
13. Other Animals	0				0

#### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approximate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED.

(b)(c)

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(b)(4), (b)(7)(c)

See reverse side for additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO 12 50R 00 12

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA nclude Zip Gode) Neural Computation Group

Dupont Experimental Station

E328/B31 Wilmington, DE 19880-0328

Status: Active

DEC 0 2 1999

650

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Siles) See Attached

A.  Animals Covered:  By The Animal  Wellare Regulations	15 11 1		animals being animals upon which experime research, conditioned, or held for use in teaching, testing, experiments, or testing, experiments, research, or surgery but not yet used for such		D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriation anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMAL  (Cols. C + D + E)
4. Dogs	N/A	N/A	1	N/A			
5. Cats	N/A						
6. Guinea Pigs	NA						
7. Hamsters	N/A		NIA				
8. Rabbits	NA		$\phi$		d		
9. Non-human Primates	NIA	,	NA		7		
10. Sheep	N/A		,				
11. Piqs	N/A						
12. Other Farm Animals	MA				_		
•							
13. Other Animals	NA	V	V	V			
	•		T	<u> </u>			
					/		
					0		

1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility

2). Each principal investigator has considered alternatives to painful procedures

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected

4) The attending vetermarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

(	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
. •.	(Chief Executive Officer or Legally Responsible Institutional ()fficial)

Legitly that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

**APHIS FORM 7023** 

(Replaces VS FORM 18-23 (OCT 88), which is obsolute)

(B)(G),(B)(7)(C)

(AUG 91)

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

9014

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.13 50R0013

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA unclude Zip Code)

128 Sandy Dr E328/B31

Newark, DE 19713 Status: Active

NOV 1 9 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

26578 Old Julian Hwy, Ramona, CA 92065 52 Anderson Rd, Windham, ME 04062

hway 67, Ramona, CA 92065

Animals Covered : By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in feaching, festing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or fests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	TOTAL NO OF ANIMAL:  (Cois. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs		99		•	99
7. Hamsters	, i		\		
8. Rabbits	1,127	11,778	13		12,918
9. Non-human Primates			•		
10. Sheep	3	56			56
11. Pigs			·		
12. Other Farm Animals		,			
goats	92	685	52		829
13. Other Animals					

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use

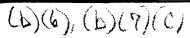
				CERTIF	fication by HeadQuartes research facility official
6	1	11	C 78 \ 7 \ V	, (Chie	of Executive Officer or Legally Responsible Institutional Official)  Toerfuly that the above is true, correct, and complete (7 U.S.C. Section 2143)
UY	5 11	( (a '	1 ( 14 1/ 17 1/	7 Y	I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE THYONAL OFFICIAL (Type or Print) DATE SIGNED

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)



additional information

Interagency Report Control 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE INIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA mclude Zip Code) florida State University

Laboratory Animal Rs. 101 BRF

PSSS XMSB XXXX

Tallahassee, FL 32306-2016 4341 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these, purposes. Attach additional sheets if necessary)

**FACILITY LOCATIONS (Sites)** <del>ऄऄऄऄऄऄऄ</del>

Biomedical Research Facility, Kellogg

Tallahassee, FL

Research Facility

A	B Number of animals being	C Number of animals upon	D. Number of animals upon	E. Number of animals upon which feaching, experiments, research, surgery or tests were	F.
Animals Covered By The Animal Wellare Regulations	bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters	160	184	161		345
8. Rabbits	7	49	5	_	.54
Bush Babies 9. Non-human Primates	3				
10. Sheep				1009	
11. Pigs			9	NOV 9 2 1999	9
12. Other Farm Animals	·				
Hedge Hogs	8			BY	
13. Other Animals					
Prairie Voles	217 .	543			543
leadow Voles	64	1			1
Monodelphis	34	1			1

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print) DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolute)

(b)(6), (b)(7)(c)

This report is required by law (7.1350-2139) in a number report according to the regulations can result in an order to passe and passes and to be subject to penalities as provided for in Section 2150.

S44 reverse side for additional transition.

GIEN-OOA-AN

United States department of agriculture ammal and plant health inspection service

1. REGISTRATION NO. 58-R-0003

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

859

2. HEADQUARTERS RESEARCH FACILITY (Number and Address, as regulared vitin uspandance 20 Goder)
University of Florida
223 Grinter Hall
Gainesville, Fl 32611-5500

1. REPORTING FACILITY (List oil locations where aromals were housed or used in actual resourch, restring, reaching, or experimentation, or held to these purposes. Attach additional sheets it recessory.)

		F	ACILITY LOCATIONS .SILVE		
See Attached				3	
REPORT OF ANIMALS LISTO BY	OR UNDER CONTROL O	F RESEARCH FACILIT	Y parach sateinmend charts it is	PROSESSIVE OF USE APMIS FORM TOZDA)	
Antholis Covered By The Atumal Weilare Regulations	8 myinder oli animata being Deed, conditioned, oli held for use in isoching, ostinig is perimenta iescundt, or furgery but nor yet used for such purposes	C Number of unitrally such which suching, research, capacitments, or less were conducted multing ito burn, distings, or use of phin-reserving crugs.	9. Mumber of distincts opins which reperements teaching inspaces in the conducted sevening accompanying date or Costess to the automotic and or which appropriate anesthatic, enalges of this wife transpart of the cost of th	Muniter of animals upon which feaching, experiment, intearral, surgery or fests were conducted involving accompanying paid or distress to the paramals are for which he use of appropriate anesthetic, analgesic, or tranquisting drops would have adversely affected the published existing, research, or interpretation of the teaching, research.	F.  TOTAL N  OF ANIMA  (Culs. C  D + E
s. Dogs	0	98	43	0	141
5. Cais	0	108	66	0	174
č. Guinea Pigs	0	684	12	0	1.91
7. Hamsters	0	72	0	0	70
3. Rabbis	0	344	45	0	399
Non-human Phinales	6	33	20	0	59
C. Sheep	0	108	49	0	157
1. Pigs	0	95	9	0	737
2. Other Fair Animals	0	0	62		104
Goat	0	1	16	0	62
3. Other Allimats				0	17
Deer Mice	0	819	0	0	819
Gerbils	0	43	113	0	
O00550m	O	6	O	0	156

- 1) Prolessionally acceptable standards governing the core, treatment, and use of aumors, including approvate use of anestheric, prolessic and tranquisting drings, prior to during, and following actual rescurch, teaching, fasting, surpress to experimentation were followed by the included.
- 26. Early principal investigator has considered physicalizes to pointial procedures
- D) This facility is adversely to the standards and regulations unifer the Act, and it has required, that exceptions to the standards and regulations be specified and explained by the feet to the standards and explained by the institutional Ahmed Care and Use Committee (InCCC). A septimary of all such exceptions is attached to this annual report. In admittying the IACCC-upproved managinosis, this summary includes a pred explanation of the exceptions, as well as the specifie and number of animals affected.
- 4) The attending veters as on the this research facility has consuming authorisms to answer the previous of accident veterinary care and to oversee the adequacy or other values of accident veterinary care and to oversee the adequacy or other values of accident veterinary care and to oversee the adequacy or other values of accident veterinary care and to oversee the adequacy or other values of

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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL. (Chief Executive Officer or Legally Responsible Institutional Official)  Laurity but the above in true, correct, and class, the 17 USC Section 2143;	
SIGNATURE OF C.E.D. OR INSTITUTIONAL OFFICIAL IT	CANDIZ STAD
APHIS FORM 7U23 (Registers IS SOUN 4)	11-30.99

APHIS FORM 7023 (AUG 91)

Regissens VS FORM 15-22 (OCT 88), WHICH IS RESOURCE:

(b)(6), (b)(7)(c)

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1. REGISTRATION NO. FORM APPROVED

UNITED STATES CEPARTMENT OF AGRICULTURE AMMAL AND PLANT HEALTH INSPECTION SERVICE

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY ( TYPE OR PRINT)

58-R-0003

OMB 40 0579-0036 2. HEADQUARTERS RESEARCH FACILITY IMPRIL and Antifers, as registered with USDA

include La Codel University of Florida 223 Grinter Hall Gainesville, FL 32611-5500

SEPORT OF ANIMALS USED BY O	A	RESEARCH FAUILITY	(Affect) equilibrial sheets it no	castary or use this turn is	<del></del>
Aminals Core en By Itia Animal Welfare Regulation  12 & GA -3 Other (List by special)	O Number of Annia's being bed, conditioned, or held in use in leaching forming, adjustments, aspeciate, or authory but not ye under smed les such purposes.	C Number of anothing upon which trached, trached	B. Nemper of unimars is on which superiments reaching research, surjety or less's wire conducted invarient secondary pure in distress to the amount and for which superiment are the whole superiment are the whole superiment and for which superiment are the whole superiment and for which superiments are the superiments are the superiments are superiments.	E. Number of animals is an which feeding, experiments, research, conjervine lests with conducted involving accommensing pain or districts to the distribute and for which the use of appropriate auditinate, and for uncertainty drugs would have accepted allocated the peochemics, results, or interpretation of the featuring research. As permanent, conjert, or fair, (An explanation of the agricultures produced animals and that are also and the acceptance of the people of the agriculture and the acceptance of the agriculture and the acceptance of the agriculture and the acceptance of the	TOTAL HO OF ANIMAL; (Cots C * O * E)
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ASSURANCE STATEMENTS					

- 1) Professionally acceptable standards governing the care, construent, and use of assertion a use of acceptable standards governing the care, continued as successfully and laborated acceptations acceptately. Techniques are successfully acceptated to the care of the care
- 2). Each times but investigation has considered internatives to 1 while themselves
- The tamble is adhering to the standards and requirement under the Act, and it has reduced that reciptions to the standards, and requirement and explained or the procedure that reciptions and approved by the less thanks and care and the Common or traction. A commany of a 1 such exceptions is attached to this annual record addition to dentifying the IACOC approved exceptions, this summary includes a line addition or the exceptions, to well as the spanish and number of animals attached.
- 4. The attenting references for this consider this lay the appropriate authority to course the disposite representative representative and to compare the acceptance of one appropriate authorization.

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AND AND AND AND A Chief Exec	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL  (Chief Executive Officer or Legally Responsible Institutional Official)  (Section 10th the income in true, storiest, and compare to the S. Section 2133)					
SIGNATURE OF C. C. DE INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL TITLE OF PRINT	DATE SIGNED				
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4. Dogs

5. Cats

8.

Guinea Pigs

Non-human Primates

Hamsters

Rabbits

10. Sheep

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRAJBUN 19005 53R 0007

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Mount Sinai Medical Center

4300 Alton Rd. P.O. Box 5625

Miami Beach, FL 33140 Status: Active NOV 1 9 1999

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ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all I sheets if necessary.)	ocations where animals	were housed or used	n actual res	earch, lesting, leac	hing, or	experimentation, or held for these purposes. Attac	ch additional
Con Abbankad		FAC	CILITY LOCA	TIONS (Siles)	\$		
See Attached							
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REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	(Altach adio	fitional sheets if ne	ces <b>s</b> ary	or use APHIS FORM 7023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	which e teachin surgery conduc accomp distress and for anesthe	of animals upon xperiments, g. research, or tests were ted involving anying pain or to the animals which appropriate the, analgesic, or tizing drugs were	exp con to and har int exp the	imber of animals upon which teaching, periments, research, surgery or tests were inducted involving accompanying pain or distress the animals and for which the use of appropriate esthetic, analgesic, or tranquilizing drugs would ve adversely affected the procedures, results, or erpretation of the teaching, research, periments, surgery, or tests. (An explanation of procedures producing pain or distress in these imals and the reasons such drugs were not used ast be attached to this report).	F. TOTAL NO OF ANIMALS  (COIS. C + D + E)

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87

11. Pigs	-0-	-0-	94	-0-	94
12. Other Farm Animals	-0-	-0-	-0-	-0-	-0-
13. Other Animals					

ASSURANCE STATEMENTS

Mice

1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures.

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending vetermarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

(Chief Executive Officer or	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) n, correct, and complete (7 USC Section 2143)	·,
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
	• · · · · · · · · · · · · · · · · · · ·	11/17/98

(b)(a), (b)(a)(c)

1. REGISTRATION NO 12 58R 0012

FORM APPE

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered include Zip Code) florida A&M University

College of Pharmacy
P.O. Box 5625
Tallahassee, FL 32307-3800

Status: Active

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

975

130

sheets if necessary.)						
See-Attached	FACILITY LOCATIONS (Siles)					
See Attached						
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REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if ne	ecessary or use APHIS FORM 7023A)		
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).		
4. Dogs	None	-0-	-0-	-0-		
5. Cats	None	-0-	-0-	-0-		
6. Guinea Pigs	None	-0-	-0-	-0-		
7. Hamsters	None	-0-	-0-	-0-		
8. Rabbits	15	15	-0-	-0-		
9. Non-human Primates	-0-	-0-	-0	0-		
10. Sheep	-0-	-0-	-0-	-0-		
11. Pigs	-0-	-0-	-0-	-0-		
12. Other Farm Animals	-0-	-0-	-0-	-0-		
13. Other Animals						
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ASSURANCE STATEMENTS	**************************************	-				

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attac

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs. P and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explainmental investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of of animal care and use

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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL.

(Chief Executive Officer or Legally Responsible Institutional Official)

(Chief Executive Officer or Legally Responsible Institutional Officer or Legally Respons

AUG 91)

FORM 18-23 (OCT 88), which is obsolete)

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0180-DOA-AN\_

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

100 Mally - 1

1. REGISTRATION NO.

FORM APPROVED

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

58-R-0014

OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code).

The Kendall Company Division of Tyco International, Inc. P.O. Box 62078 DeLand, FL 82721-2078

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

<u>Laboratory Science Center</u>

**FACILITY LOCATIONS (Sites)** 

Laboratory Science Center

P.O. Box 62078

DeLand, FT, 32721-2078

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMAL: (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs		182			182
7. Hamsters					
8. Rabbits		176			1.76
9. Non-human Primates		_			•
10. Sheep		,			-
11. Pigs			2		2
12. Other Farm Animals		-			
13. Other Animals					
The state of the s		-1			

# **ASSURANCE STATEMENTS**

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)						
		CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFIC	IAL	(0)(6)(	7)(7	1
	John St. St. Co.	(Chief Executive Officer or Legally Responsible Institutional Official	)			Ä
Certify that the above is true, correct, and complete (7 U.S.C. Section 2143).	(12)(C)	I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).	CC:			

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

PART 3 - FACILITY

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

# HEGISTRALIONNO016

FORM APPROVED OMB NO 05/9-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

unchada Zap Code) University of Central Florida 4000 Central Florida Blvd.

MDC 20

Orlando, FL 32816 Status: Active

DEC 0 2 1999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Siles)

Molecular Biology and Microbiology Bldg. 20

Animals Covered By The Animal Wellare Regulations	Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL  (Cols. C D + E)
4. Dogs					
5. Cats			·	·*	
6. Guinea Pigs			. •		
7. Hamsters					
8. Rabbits	0	6	0	0	6 ·
9. Non-human Primates					
0. Sheep	,				
1. Pigs			•		
2. Other Farm Animals					
3. Other Animals					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of anesthetic, analgesic, and tranquitizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- Each principal investigator has considered alternatives to painful procedures
- It likes facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- The attending vetermanan for this research facility has appropriate authority to ensure the provision of adequate vetermary care and to oversee the adequacy of other aspects of annual care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

Ficertify that the above is true, correct, and complete (7.0.5.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

99/12/1

I. REGISTRATION NO. 58-R-0016 FORM APPROVED OMB NO 0579 0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address as registered with USDA include Lip Gold)

University of Central Florida 4000 Central Florida Blvd. Orlando, FL 32816-0150

# CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach admittional sheets if necessary or use this form ) E. Number of animals upon which teaching, B Number of D. Number of animals upon experiments, research, surgery or tests were animals being animals upon which experiments. conducted involving accompanying pain or distress which leaching, Animals Covered bred. leaching, research. to the animals and for which the use of appropriate TOTAL NO conditioned, of research. By The Animal surgery, or tests were OF ANIMALS anesthetic, analgesic, or tranquilizing drugs would held for use in experiments, or Wellare Regulations conducted involving have adversely affected the procedures, results, or leaching, testing. lesis were accompanying pain or interpretation of the teaching, research, conducted experiments. distress to the animals (Cols. C + D + E) experiments, surgery, or tests. (An explanation of research, or on phivioval and for which appropriate the procedures producing pain or distress in these surgery but not pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used yel used for such use of pain-12 &/OR 13 Other tranquilizing drugs were must be attached to this report) purposes. relieving drugs. used. (List by species) None

# ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of anesthetic unalgesic, and tranquilizing drugs prior to, during and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attenting voterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequatry of other aspects a normal care and one

animal date and use		
(Chief Executive Office	ADQUARTES RESEARCH FACILITY OFFICIAL or Legally Responsible Institutional Official) is true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF C.F.O.OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL .T. pe or Printl	99/12/,

APHIS FORM 7023A (AUG 91) (b)(6), (b)(7)(c)

PART! HEADQUARTERS

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO.

58-R-0020

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Florida Institute of Technology 150 W. University Blvd. Melbourne, FL 32901

8216

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

Main campus of the university

150 W. University Blvd., Melbourne, FL 32901

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					<del> </del>
8. Rabbits					
9. Non-human Primates					
10. Sheep					ļ
11. Pigs			·		
12. Other Farm Animals					
13. Other Animals			We have r	ot had any animals reportable	3
			to APHIS used only	ot had any animals reportable in the past year. We have mice and fish.	
					ļ
ASSURANCE STATEMENTS			doca only		

### SSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(	(Chief Executive Officer or t certify that the above is true	UARTES RESEARCH FACILITY OFFICIAL (b)(6), (b)(Legally Responsible Institutional Official)	7)(4)
SIC		NAME & TOTAL GOOD SOUGH INSTITUTIONAL DEEIGIAL (Type or Print)	DATE SIGNED
		Associated to the second secon	10/6/99

APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolete )



ANNUAL REPORT OF RESEARCH FACILITY

158R0021

FORM AL OMB NO

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as register mcluite Zip Gode) Hannheimer Foundation, Inc.

20255 SW 360 St.

MDC 20

Homestead, FL 33034

Status: Active

(TYPE OR PRINT)

_065				
REPORTING FACILITY (List all sheets if necessary.)	locations where animals	were housed or used	n actual research, testing, teac	ching, or experimentation, or held for these purposes. At
See Attached		FA	CILITY LOCATIONS (Siles)	
The Artificial				
REPORT OF ANIMALS USED BY C	OR UNDER CONTROL OF	F RESEARCH FACILITY	(Altach adiditional sheets if n	ucussury or use APHIS FORM 7023A)
A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in feaching, lestling, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).
4. Dogs				
5. Cats				
6. Guinea Pigs				
7. Hamsters				
8. Rabbits			,	
9. Non-human Primates	1994		6	0
10. Sheep				
11. Pigs				
12. Other Farm Animals				
13. Other Animals			<del></del>	
ASSURANCE STATEMENTS				

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete (L)(6), (b)(7)(C)



UNITED STATES DEPARTMENT OF ASSISTED

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

ΰ

1. REGISTRATION NO SBR0022

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code) ins College Campus Box 2712 1000 Holte Avenue Winter Park, FL 32789

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) **FACILITY LOCATIONS (Sites)** See Attached

REPORT OF ANIMALS USED BY O	OR UNDER CONTROL O	F RESEARCH FACILIT	Y (Altach adiditional sheets if ne	ecessary or use APHIS FORM 7023A.)	
A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic; analgesic, or tranquilizing drugs were used	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	1*	0	0	*
5. Cats					
6. Guinea Pigs					
7. Hamsters				·	
8. Rabbits					
9. Non-human Primates					
10. Sheep					,
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
					- Fall
ASSURANCE STATEMENTS X ()	ISED ONL	J FOR O	BSERVATION	& TEACHING PURPOSE	۲.

- Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and franquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

	C	ERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
11111		
COME	MARTICA	Learnity that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL TYPE OF PUBL

DATE SIGNED

SIGNATURE OF OF OR INSTITUTIONAL OFFICIAL

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(b)(b)(b)(r)(c)

Interagency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE	<u> </u>	ROOS FORM APPROVED OMB NO 0579-0036
	include Zib Code)	CILITY (Name and Address, as registered with USDA, Junior College
ANNUAL REPORT OF RESEARCH FACILITY 02 (TYPE OR PRINT)	жжжжжжжжж хжжжжжжжж	

St. Petersburg, FL 33733

Status: Active

t N Park, Pinellas 33781 F1

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

See Attached

33781 7200 66 St N, Pinellas Park, FL

33772 12611 86 Ave N, Seminole, FL

A.	B. Number of	C Number of		cessary or use APHIS FORM 7023A)  E. Number of animals upon which teaching,	
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs	28		28		28
5. Cats	30		30		30
6. Guinea Pigs				·	
7. Hamsters					
8. Rabbits	1	1			1
9. Non-human Primates					
10. Sheep	11	1			1
11. Pigs	. 2	2			2
12. Other Farm Animals	11	11		· · · · · · · · · · · · · · · · · · ·	11
13. Other Animals					
· ·					
		,			

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquitzing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use.

(Chief Execu	ON BY HEADQUARTES RESEARCH FACILITY OFFICIAL (b) (c), (c) tutive Officer or Legally Responsible Institutional Official) (c) that the above is true, correct, and complete (7 USC Section 2143)	11716
SIGN	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	PATE SIGNED
		10-21-59

7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

(b)(b)(b)(b)(c)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 35 58R0035

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA Include Zip Code)
Florida Atlantic University

777 Glades Road

P.O. Box 3091

Status: Active

Boca Raton, FL 33431-0991

NOV 17 1953

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

**FACILITY LOCATIONS (Siles)** 

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adjultional sheets if necessary or use APHIS FORM 7023A) Number of C Number of D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments. conducted involving accompanying pain or distress bred. **Animals Covered** which leaching, teaching, research, conditioned, or to the animals and for which the use of appropriate research. By The Animal surgery, or tests were TOTAL NO Welfare Regulations held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS conducted involving have adversely affected the procedures, results, or teaching, testing, lesis were accompanying pain or interpretation of the leaching, research, experiments, conducted distress to the animals experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these research, or (Cols. C + D + E) on gnıvlovni and for which appropriate surgery but not pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of pain-Iranquilizing drugs were purposes. relieving drugs. must be attached to this report). used 4. Dogs Cats Guinea Pigs 7. Hamsters Rabbits Non-human Primates 10. Sheep Pigs 12. Other Farm Animals Other Animals **ASSURANCE STATEMENTS** 

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Annual Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

b)(6)	. 6	(7	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)  I certify that the above is true, correct, and complete (7 USC Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/16/89

APHIS FORM 7023 (AUG 91)

(b)(b), (b)(7)(c)

additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.37

58 R 003 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Code) in Inst. for Cancer Research 1850 N.W. 69th Avenue

P.O. Box 3091 Plantation, FL 33313 Status: Inactive

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary) **FACILITY LOCATIONS (Sites)** 

See Attached Same as abou

REPORT OF ANIMALS USED BY OF	R UNDER CONTROL OF	RESEARCH FACILITY	' (Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A.)	
Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0				
5. Cats	0				
6. Guinea Pigs	0				
7. Hamsters	0				
8. Rabbits	0				
9. Non-human Primates	0			<u> </u>	
10. Sheep	0				
11. Pigs	0				
12. Other Farm Animals	0				
			,		1 - 1 - 1 - 1
13. Other Animals	1,000	1,000	0	0	1,000
					·

### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use

(L)(4),(L)(1)(e)	(Chief Executive Offi	EADQUARTES RESEARCH FACILITY OFFICIAL cer or Legally Responsible Institutional Official) ove is true, correct, and complete (7 USC Section 2143)	(b)(6).(b)(7)(c)
SIGNATURE OF C.E.O. OR WOTEN		NAME & TITLE OF C.E.D. OR INSTITUTIONAL OFFICIAL (Type	or Print) DATE SIGNED
APHIS FORM 7023 (Replace (AUG 91)	es V\$ (OCT 88), w	which is obsolete) $(b)(c)(c)(c)$	9/28/99

additional information

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 58R004

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code) Hote Marine Laboratory 1600 Thompson Pkwy. P.O. Box 3091

Sarasota, FL 34236

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

See Attached

1600 Ken Thompson Parkway

Sarasota, FL 34236

A.	B. Number of	C Number of	D. Number of animals upon	cessury or use APHIS FORM 7023A.)  E. Number of animals upon which leaching,	F.
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquitizing drugs were used	experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					0
5. Cats					0
6. Guinea Pigs					0
7. Hamsters					0
8. Rabbits	·				0
9. Non-human Primates					0
10. Sheep					0
11. Pigs					0
12. Other Farm Animals					0
13. Other Animals					
Manatees	0	2	0	0	2
Whales/Dolphins	0	4	0	0	4
			·		

# **ASSURANCE STATEMENTS**

- Prolessionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anisthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Coinmittee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

10/1/99

APHIS FORM 7023 (AUG 91)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

COFFICIAL

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

58 R004

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Gode) Dolphin Research Center

P.O. Box 522875

P-0- Box 3091

Marathon Shores, FL 33052

Status: Active

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

hodoettA oo2

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMAL (Cols. C D + E)
4. Dogs					
5. Cats				·	
6. Guinea Pigs					
7. Hamsters			0.000		
8. Rabbits					
9. Non-human Primates				.,	
10. Sheep					
11. Pigs					
12. Other Farm Animals				, .	
13. Other Animals					
Hantic Bottlemore Dola	nins	17			17
tlantic Bottlenuse Dolp fornia Sea Lions		2			2

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, lesting, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
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- 4) The attending vetermarian for this research facility has appropriate authority to ensure the provision of adequate vetermary care and to oversee the adequacy of other aspects of annual care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Ecertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolute)

(6)(6), (6)(7)(0)

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

58-R-58 **58R 00 58** 

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Bild Animal Hospital

2500 NW 79 Street Miami, Florida 33147-4932

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

**FACILITY LOCATIONS (Siles)** 

Bild Animal Hospital 2500 NW 79 Street

Miami, Florida 33147-4932

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs	D Number of animals upon which experiments, feaching, research, surgery, or fests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or fests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	0				
6. Guinea Pigs	0				
7. Hamsters	0				
8. Rabbits	0				
9. Non-human Primates	0		,	-	
10. Sheep	0			`	
11. Pigs .	0				
12. Other Farm Animals	0				
13. Other Animals	0				

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and franquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Learnly that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO 109

58 R 0109

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Children's Hospital

3100 SW 62 Ave. P.O. Box 3091

Miami, FL 33155 Status: Active

NOV 2.9 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

	FACILITY LOCATIONS (Siles)						
See Attached							
				<u> </u>			
REPORT OF ANIMALS USED BY O	B. Number of		T	ecessary or use APHIS FORM 7023A)	<del>,</del>		
Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)		
4. Dogs	None						
5. Cats	None	· · · · · · · · · · · · · · · · · · ·					
6. Guinea Pigs	None			·			
7. Hamsters	None		:				
8. Rabbits	None						
9. Non-human Primates	None						
10. Sheep	None						
11. Pigs	None		·				
12. Other Farm Animals	None						
·							
13. Other Animals	None						
				·			
ASSURANCE STATEMENTS							

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annnal care and use.

-					uartes research facility official
110	WAY 1	181. 37			Legally Responsible Institutional ()fficial)
10	X(c).(	5/7/6	I certify that the a	bove is true	correct, and complete (7 U.S.C. Section 2143)
SIGNA	TURE OF C.E.	O OR INCLUSION		3	NAME & TITLE OF CEO OR INSTITUTIONAL OFFICIAL (T.

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(6)(6), (6)(7)(6)

2 U 1000

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE



## ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION TO 118

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

7165 Curtiss Ave.

P.O. Box 3091 Sarasota, FL 34231

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes	. Attach additional
sheets if necessary.)	

**FACILITY LOCATIONS (Siles)** 

No Animals Were Used at any at our facilities in

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach administrate) in necessary or use APHIS FORM 70234 Number of animals upon which teaching, Number of C Number of D. Number of animals upon animals being experiments, research, surgery or tests were animals upon which experiments. conducted involving accompanying pain or distress Animals Covered which teaching, leaching, research, conditioned, or to the animals and for which the use of appropriate By The Animal research, TOTAL NO. surgery, or lesis were held for use in anesthetic, analgesic, or tranquilizing drugs would Wellare Regulations experiments, or OF ANIMALS conducted involving teaching, testing, have adversely affected the procedures, results, or lesis were accompanying pain or experiments. conducted interpretation of the teaching, research, distress to the animals research, or experiments, surgery, or tests. (An explanation of (Cols. C + D + E) involving no and for which appropriate surgery but not the procedures producing pain or distress in these pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. used. Dogs Cats Guinea Pigs Hamsters Rabbits Non-human Primates 10. Sheep 11. Pios 12. Other Farm Animals 13. Other Animals **ASSURANCE STATEMENTS** 

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL LType of Print

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(b)(b), (b)(7)(c)

Interagency Report Control No 0180-DOA-AN

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UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 58-R-0119

FORM/APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Dade Behring Inc. 1851 Delaware Parkway Miami, FL 33125

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

Comfort Farms 22650 S. W. 194th Avenue, Miami, FL 33170

REPORT OF ANIMALS USED BY	OR UNDER CONTROL OF	F RESEARCH FACILITY	(Altach adiditional sheets it ne	cessary or use APHIS FORM 7023A.)	
A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain- relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs		<b></b>			
7. Hamsters			**************************************		
8. Rabbits					
9. Non-human Primates					
10. Sheep	·				
11. Pigs					
12. Other Farm Animals					
Goats	1	38			39
13. Other Animals					
ASSURANCE STATEMENTS					

### SSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY (	FFICIAL
6	(Chief Executive Officer or Legally Responsible Institutional O	fficial)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

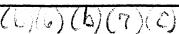
DATE SIGNED

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APHIS FORM 7023

(AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)



PART 1 - HEADQUARTERS

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 20

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Codel ORHS Health Sciences Center

1414 Kuhl Ave., MP-47

P.O. Box 3091 Orlando, FL 32806

Status: Active

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

**FACILITY LOCATIONS (Sites)** 

	·.												
			-										
REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	F RESEARCH FACILITY	(Attach adio	litional sheets if ne	ecess	ary or use APHIS FORM (023A.)							
A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which experiments, or esearch, experiments, or lests were conducted involving no pain, distress, or		animals being bred, conditioned, or held for use in teaching, testing, experiments, or surgery, but not yet used for such animals upon which experiments, research, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranguilizing drugs were		Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or fests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs				<u>`</u>									
5. Cats				)									
6. Guinea Pigs				<u>)                                    </u>	ļ								
7. Hamsters				<u>)                                    </u>			<u> </u>						
8. Rabbits				<u>`</u> )			ļ						
9. Non-human Primates			C	<u>)                                    </u>			<u> </u>						
10. Sheep				)	ŀ								
11. Pigs			31	o									
12. Other Farm Animals			٠	<u> </u>		,							
13. Other Animals		***		$\supset$		,							
- 4													
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# **ASSURANCE STATEMENTS**

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(Chief Executive Officer or	QUARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) Legally Responsible (7 USC Section 2143)	b)(7)(C)
SIGNATURE CONTROL (6)(6) (b)(7)(C)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolute) (b)(c)(c)

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION MO21 58ROIZ

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)
Dumond Conservancy for Primates &

> P.O. Box 246 P.O. Box 3091 Miami, FL 33170 Status: Active

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100	and is potual regarch testing teaching, or experimentation	, or held for these purposes. Attach additiona
3. REPORTING FACILITY (List all locations wi	here animals were housed or used in actual research, testing, teaching, or experimentation	
sheets it necessary.)		
	FACILITY LOCATIONS (Siles)	

See-Attached SW 2168 MIAM

FL 33170

		PL 551	t though shoots if no	CHSSHIV OF USE APHIS FORM 7023A)	
REPORT OF ANIMALS USED BY OR A. Animals Covered By The Animal Wellare Regulations	UNDER CONTROL OF  B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of	TOTAL OF AN (Cols. D +
4. Dogs 5. Cats					
Guinea Pigs     Hamsters					
Rabbits     Non-human Primates	48	2	-	-	_2
10. Sheep  11. Pigs  12. Other Farm Animals					
13. Other Animals					

# ASSURANCE STATEMENTS

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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE No

APHIS FURM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolute )

(b)(b)(7)(c)

1. REGISTRATION NO. 58-R-01VI

FORM APPROVED OMB NO. 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) DUMOND CONSERVANCY FOR PRIMATES &
TROPICAL FORESTS, INC.
P.O. BOX 246

MAMI, FL 33170

Animals Covered By The Animal Welfare Regulations  12 &/OR 13 Other (List by species)	UNDER CONTROL OF  Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or	Attach adiditional sheets if nec  D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the second of th	F TOTAL NO OF ANIMAL
	purposes	use of pain-	anesthetic, analgesic, or tranquilizing drugs were	experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	(Cols. C D + E)
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### ASSURANCE STATEMENTS

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animal care and use				
	Chief Rescutive Office	ADQUARTES RESEARCH FACILITY OFFICIAL or or Legally Responsible Institutional Official) is true, correct, and complete (7 U.S.C. Section 2143)		
SIGNATURE OF C.E.O. OR INSTITUTI		NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type		DATE SIGNED NaV 27, 1999
APHIS FORM 7023A (AUG 91 )	00)(1)(0)	(b)(e),(b)(7)(c)	PART I HE	ADQUARTERS

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 58-R-0122 SBR0122

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Clearwater Marine Aquarium

249 Windward Passage

P.O. Box 3091 Clearwater, FL 34630

Status: Active

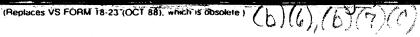
3. REPORTING FACILITY (List all locations where animals were sheets if necessary.)	re housed or used in actual research, testing, teaching	g, or experimentation, or held for these purposes.	Attach additional
	FACILITY LOCATIONS (Siles)	<b>b</b>	
See Attached			

REPORT OF ANIMALS USED BY O	R UNDER CONTROL O	F RESEARCH FACILITY	Y (Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A.)	
A. Animals Covered By The Animal · Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or fests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits		Þ			
9. Non-human Primates					
10. Sheep	,	'			
11. Pigs					
12. Other Farm Animals		ų.			
13. Other Animals			-		<u> </u>
Atlantic Bottleno	se	\$			
dolphin	0			·	
ACCUIDANCE CTATEMENTS					

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(Chief Executive Officer or	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) e, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	9-/7-99

APHIS FORM 7023 (AUG 91)



Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION 19125 58ROIA5

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Hartz Mountain Corporation

12602 U.S. 41 South P.O. Box 3091 Gibsonton, FL 33534

Status: Active

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A) Number of E. Number of animals upon which teaching, C Number of D. Number of animals upon animals being experiments, research, surgery or tests were animals upon which experiments, **Animals Covered** bred. which leaching, conducted involving accompanying pain or distress leaching, research, conditioned, or to the animals and for which the use of appropriate By The Animal research. TOTAL NO surgery, or tests were held for use in anesthetic, analgesic, or tranquilizing drugs would Welfare Regulations experiments, or conducted involving OF ANIMALS teaching, testing, tests were have adversely affected the procedures, results, or accompanying pain or experiments, interpretation of the teaching, research, conducted distress to the animals research, or experiments, surgery, or tests. (An explanation of involving no and for which appropriate (Cols. C + D + E) pain, distress, or surgery but not the procedures producing pain or distress in these anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were purposes. relieving drugs. must be attached to this report). Dogs 5. Cats 7 7 Guinea Pigs 22 Hamsters 22 6 6 8. Rabbits 9. Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals Gerbils 5 5 ASSURANCE STATEMENTS

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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143) SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )

(L)(6, (b)(7)(2)

Interagency Report C 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO 26 SOROIZ

FORM APPROVI OMB NO 0579-0

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with include Zip Code)
Brevard Community College

1519 Clearlake Road P.O. Box 3091 Cocoa, FL 32922-6597

Status: Active

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1796

sheets if necessary.)

		FAC	ILITY LOCATIONS (Siles)		
See Attached					
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a ucco py	A LINDER CONTROL OF	E RESEARCH FACILITY	(Attach adultional sheets if ne	cessary or use APHIS FORM 7023A.)	-
A.  Animals Covered  By The Animal  Wellare Regulations	B. Number of animals being bred. conditioned, or held for use in	C Number of animals upon which feaching, research, experiments, or	Number of animals upon which experiments, feaching, research, surgery, or lests were conducted involving.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would	5
Wellare negulations	teaching, testing, experiments, research, or surgery but not yet used for such purposes.	lests were conducted involving no pain, distress, or use of pain- relieving drugs.	accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquitizing drugs were used.	have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	
4. Dogs	O	0	25		L
5. Cats	0	O	G		L
6. Guinea Pigs	0	0	0		L
7. Hamsters	0	0	o		L
8. Rabbits	0	٥	6		L
9. Non-human Primates	0	0	.0		L
10. Sheep	0	5	O		L
11. Pigs	0	2	0		L
12. Other Farm Animals	0	0	7 (eq)		Ļ
goats	o	5	0		Ļ
13. Other Animals					ļ
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3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach a

### ASSURANCE STATEMENTS

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Chief Executive Officer or	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) t, correct, and complete (7 USC Section 2143)
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	Brevard Community College

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolute ( (6)

SEP CO ivo Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

1. REGISTRATION NO. 127 58R012

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code). Everglades Wildlife Sanctuary

PO Box 201 P.O. Box 3091

Dania, FL 33004 Status: Active

(TYPE OR PRINT)

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** See Attached REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach admittional sheets if necessary or use APHIS FORM 7023A) B. Number of C Number of Number of animals upon which teaching, D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments, conducted involving accompanying pain or distress to the animals and for which the use of appropriate bred, Ammais Covered which teaching, teaching, research, surgery, or tests were conditioned, or By The Animal research, TOTAL NO Welfare Regulations held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would conducted involving OF ANIMALS teaching, testing, have adversely affected the procedures, results, or tests were accompanying pain or experiments, interpretation of the teaching, research, conducted distress to the animals involving no research, or experiments, surgery, or tests. (An explanation of (Cols. C + D + E) and for which appropriate surgery but not the procedures producing pain or distress in these pain, distress, or anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were purposes. relieving drugs. must be attached to this report). used Dogs Cats Guinea Pigs Hamsters Rabbits Non-human Primates 10. Sheep Pigs 12. Other Farm Animals 13. Other Animals **ASSURANCE STATEMENTS** 

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(Chief Executive Officer	DQUARTES RESEARCH FACILITY OFFICIAL  or Legally Responsible Institutional Official) s true, correct, and complete (7 USC Section 2143)	177(0)
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL $(b)(6)$	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
APHIS FORM 7023 (Replaces VS FORM 18-23 (OCT 88), which (AUG 91)	is obsolete) $(4)(6)(6)(7)(6)$	

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 57R 000 2 57-R-002-01

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Medical College of Georgia Laboratory Animal Services, CB 1327 1120 Fifteenth Street Augusta, GA 30912-4600

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

895

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

Medical College of Georgia, Augusta, GA

Animal Care Facility, Gracewood, GA

Animals Covered : By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	2	0	44	0	44
5. Cats	0	0	4	0	4
6. Guinea Pigs	0	0	1 0	0	0
7. Hamsters	47	0	150	0	150
8. Rabbits	26	0	655	0	655
9. Non-human Primates	3	29	8	0	37
10. Sheep	5	1	0	0	1
11. Pigs	0	0	- 127	0	127
12. Other Farm Animals				•	
goat	4	0	1	0	1
13. Other Animals					

### **ASSURANCE STATEMENTS**

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O., OR INSTITUTIONAL OFFICIAL (Type of Print)

APHIS FORM 7023 (Replaces VS FORM 18-23 (OCT 88), which is obsolete.)
(AUG 91)

(b)(0, (b)(7)(c)

DATE SIGNED

Interagency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRIFICAL 8004 57R0004

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Ziphere'e University

1400 Coleman Ave.

PO Box 557

Macon, GA 31207 Status: Active

710

 REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

School of Medicine, Macon Campus

School of Pharmacy, Atlanta Campus

Animals Covered - By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.  B. Number of animals upon which teaching, research, resperiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.		D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters			`		
8. Rabbits	6	98			98
9. Non-human Primates			e a c		
10. Sheep					
11. Pigs					
12. Other Farm Animals		· · · · · · · · · · · · · · · · · · ·	-		
13. Other Animals					
Opposum	11	11			11

### SSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

Legally Responsible Institutional Official)

Certify (that the above is true, correct, and complete (1 0 3 C Section 2143)

DATE SIGNED

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

900

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NOOS

57R0005

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Codersity of Georgia

Office of Vice Pres. for Rsch Boyd Grad. Rsch Ctr Rm. 612 1999 Athens, GA 30602-7611 Athens, GA 30602-7611 Status: Active

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles) See Attached

<u></u>				cessary or use APHIS FORM 7023A)  E. Nutriber of animals upon which feaching,	-
Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (COIS. C + D + E)
4. Dogs	23	205	250		455
5. Cats	2	42	125		167
6. Guinea Pigs	0	0	0		0
7. Hamsters	0	36	500		536
8. Rabbits	0	0	167		167
9. Non-human Primates	0	8	3.		11
10. Sheep	0	. 0	0		0
11. Pigs	0	90	27		117
Goats 12. Other Farm Animals	50	34	0		34
Horses	50	34	19		39
Хэх хохижжэхихэх ttle	70	190	4		194
Ponies	0	33	0		33
13.Other animals					
Gerbils	0	0	2,021		2,021

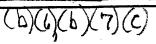
# **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL  (Chief Executive Officer or Legally Responsible Institutional Official)  (Chief Executive Officer or Legally Responsible Institutional Official)  (Chief Executive Officer or Legally Responsible Institutional Official)  (Chief Executive Officer or Legally Responsible Institutional Official)						
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SI				

APHIS FORM (AUG 91)

CT 88), which is obsolute) (Replaces VS FOR



IGNED

11/17/99

1. REGISTRATION NO. 57-R-0005 FORM APPROVED OMB NO 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) The University of Georgia Office of Vice President for Research Boyd Graduate Studies Research Ctr, 612 Athens, GA. 30602-7411

( )	TYPE OH PHIN	' /		Status:	Active	
		TEST BOW EACH ITY	(Attach adi	utitional sheets if nec	essary or use this form (	
Animals Covered By The Animal Wellare Regulations	B Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were		E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress togine animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
(Usl by species)	ригрожэ	4	323	0		4
Virginia opossum				0	0 1999	36
Raccoon		36 -			NOV 1 9 1999	23
Gray Fox		23		0	1	24
Rice Rat		24		0		28
Cotton Rat		28		0		20
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### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of aniesthetic, analgesic, and tranquilizing drugs, prior to, during and following actual research, leaching, lessing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition, the fact the provided by the Institutional Animal Care and Use Committee (IACUC). addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, us well as the spicies and number of unimals affected
- 4) The attending voterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects as

	animal care and use	The state of the s
_	D(0) (D/D)	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)  1 tuertily that the above is true, correct, and complete (7 U.S.C. Section 2143)
	0161 61616	WALLS & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Ty)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/17/99

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRASJON 19010 57 R 0010

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) gia Institute of Technology

225 North Ave.

Boyd Grad. Rsch Ctr Rm. 612 Atlanta, GA 30332-0325

Status: Active

89

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

See Attached FAC

FACILITY LOCATIONS (Siles)

No animals covered by the Animal Welfare Regulations were housed or utilized for research,

testing, teaching, or experimentation during the period October 1, 1998 - September 30, 1999

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A)							
A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.  C. Number of animals upon animals upon which teach research, experiments estation, experiments, estation, or surgery but not yet used for such purposes.		D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)		
4. Dogs							
5. Cats							
6. Guinea Pigs							
7. Hamsters							
8. Rabbits							
9. Non-human Primates				·			
10. Sheep					·		
11. Pigs							
12. Other Farm Animals							
13. Other Animals							
ASSURANCE STATEMENTS							

### SSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL  (Chief Executive Officer or Legally Responsible Institutional Official)  1 certify that the above is true, correct, and complete (7 USC Section 2143)							
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED					

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO012 57R0016

Status: Active

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) Georgia State University

Office of Research & Sponsored Programs, University Plaza Atlanta, GA 30303

OEC 01 1989

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites) Georgia State University

Department of Animal Care

Georgia State University Language Research Center

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.  C. Number of animals upon which teaching research, resperiments, tests were conducted involving no pain, distress use of pain-relieving drug		D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL  (Cols. C D + E)	
4. Dogs						
5. Cats						
6. Guinea Pigs						
7. Hamsters	772	497	2091	0	2588	
8. Rabbits	12	28	150	0	178	
9. Non-human Primates	0	19	. 0	0	19	
10. Sheep						
11. Piqs						
12. Other Farm Animals						
13. Other Animals			· · · · · · · · · · · · · · · · · · ·			
Gerbils	0	0	25	0	25	
Ferrets	0	8	47	0	55	
ASSURANCE STATEMENTS	<u> </u>					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, lesting, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of ammal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional ()fficial)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/01/99

APHIS FORM 7023 Replaces VS FORM 18-23 88), which is obsolete) (AUG 91)

1. REGISTRATION - 10013 57 ROO13

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and ADDYess, as registered with USDA incluite Zip Codes Morehouse School of Medicine 720 Westview Dr., S.W. Box 212 Programs, University Plaza Atlanta, GA 30310-1495

Status: Active

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883

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary )

FACILITY LOCATIONS (Siles) Morehouse School of Medicine Morris Brown College Medical Research Bldg. Hightower Griffin Bldg. 720 Westview Drive, S.W. 643 Martin Luther King Jr. Drive., N.W. <u> Atlanta, Georgia 30310-1495</u> Atlanta, Georgia 30314 REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adictional sheets it necessary or use APHIS FORM 7023A.)

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or fests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	F.  TOTAL NO OF ANIMALS  (COIs. C + D + E)
4. Dogs			1		1
5. Cats					
6. Guinea Pigs		109	3		112
7. Hamsters			<b>2</b> 5		25
8. Rabbits	11		136		136
9. Non-human Primates		,			
10. Sheep				-	
11. Pigs		· ·			
12. Other Farm Animals	,				
			٠		
13. Other Animals					,
14. Ferrets			27		27
15. Salamanders	10		70		70

# ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appronate use of anesthetic, analgesic, and franquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Licertify that the above is true, correct, and complete (7.0.S.C. Section 2143)

NAME & TITLE OF C E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

PHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolute)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION 19015

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Labs. Inc.

PO Box 5112

Programe, University Plaza

Athens, GA 30604

Status: Active

3 NOV 04 1999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

FACILITY LOCATIONS (Siles)

TRS Labs, Inc., 295 Research Drive, Athens, GA 30605

A.  Animals Covered ' By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL:  (COIS. C + D + E)	
4. Dogs	8	197	142	0	339	
5. Cats	0	116	36	0	152	
6. Guinea Pigs						
7. Hamsters			\			
8. Rabbits	0	8	0	0		
9. Non-human Primates						
10. Sheep			,			
11. Pigs						
12. Other Farm Animals						
13. Other Animals		,				
Ferrets	0	69	0	0	69	
Gerbils	0	302	0	0	302	

# SSURANCE STATEMENTS

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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL.

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

OF C.E.O. OR INSTITUTIONAL OFFICIAL NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

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is obsolete) (N(b), (N)(7)(C)

1. REGISTRATION JOU 17 STROOT

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip F8ft Valley State College University

1005 State=Cottege DriveUniversity
-Programs, University Plaza Dept. of Veterinary Fort Valley, GA 31030-4313

Status: Active

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles) See Attached

Department of Veterinary Science

O'Neal Building

A	B. Number of	C Number of		E. Number of animals upon which teaching		
Animals Covered By The Animal Welfare Regulations	animals being animals upon bred. conditioned, or held for use in teaching, testing, experiments, or tesearch, or surgery but not yet used for such purposes.  animals upon which teaching, research, or experiments, or conducted involving no pain, distress, or use of pain-relieving drugs.		D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	TOTAL NO OF ANIMAL:  (Cols. C + D + E)	
4. Dogs	0	0	9	0	9	
5. Cats	0	0	15	0	15	
6. Guinea Pigs	0	0	8	0	8	
7. Hamsters	0	7	o`	0	7	
8. Rabbits	0	6	0	0	6	
9. Non-human Primates	0	0	0	0	0	
10. Sheep	0	3	0	0	3	
11. Pigs	0	0	0	0	0	
12. Other Farm Animals	·					
cattle	0	6	0	0	6	
13. Other Animals						
goats	0	0	5	0	5	
horses	0	2	0	0	2	
gerbils ASSURANCE STATEMENTS			0 0		18	

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of ammal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional ()fficial)

I certify that the above is from correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91)

VS FORM 18-23 (Q 8), which is obsolete)



Interagency Report Compai No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NOTO1 #881 TROLO

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code the Hospital

1000 Johnson Ferry Road **Education Department** Atlanta, GA 30342-1611 Status: Active

ANNUAL	REPORT	OF	RESEA	RCH	<b>FACIL</b>	<b>ITY</b>
	(TYPI	E OI	R PRINT	<b>-</b> )		

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary) FACILITY LOCATIONS (Sites)

			· ·			
REPORT OF ANIMALS USED BY	R UNDER CONTROL OF	F RESEARCH FACILITY	(Attach adio	litional sheets if ne	cessary or use APHIS FORM 7023A.)	
A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drups were		E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs						0
5. Cats						0
6. Guinea Pigs						0
7. Hamsters				\		0
8. Rabbits			·			0
9. Non-human Primates			·			0
10. Sheep						0
11. Pigs			1	3		19
12. Other Farm Animals						0
13. Other Animals				- L NOV	2 2 1999	0
					7. D 1000	`
				8Y:		
ASSURANCE STATEMENTS						

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of ammal care and use

(b)(b) (b) (	(Chief I	Executive Officer	OQUARTES RESEARCH FACILITY OFFICIAL or Legally Responsible Institutional Official) true, correct, and complete (7 USC Section 2143)		
SIGNATURE OF C.E.O. OR I	ASTITUTIONAL OFFICIAL	3	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Ty)	pe or Print)	DATE SIGNED
					11-18-99
APHIS FURM 7023 (AUG 91)	(Replaces VS FORM 1	8-23 (OCT 88), which	is obsolete) (b)(6),(b)(7)(C)		

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See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 57-R-0103

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

Advanced Laparoscopy Training Center, Inc. 790 Church Street, Suite 550 Marietta, GA 30060

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

**FACILITY LOCATIONS (Sites)** 

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.) B. Number of C Number of E. Number of animals upon which teaching, D. Number of animals upon animals upon animals being experiments, research, surgery or tests were which experiments, teaching, research, Animals Covered bred, ... which teaching, conducted involving accompanying pain or distress By The Animal conditioned, or to the animals and for which the use of appropriate research, surgery, or tests were TOTAL NO Welfare Regulations. held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would conducted involving OF ANIMALS feaching, testing, 4.53 lests were conducted have adversely affected the procedures, results, or 33 accompanying pain or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of experiments, distress to the animals invalving no research, or and for which appropriate (Cols. C + D + E) surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or yet used for such 2 10 43 use of painrelieving drugs. 🗦 tranquilizing drugs were. animals and the reasons such drugs were not used purposes. must be attached to this report). Dogs Cats Guinea Pigs 7. Hamsters Rabbits 9. Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals Goats - 0 -- 0 -24 24 13. Other Animals NOTE: Facility closed effective 11/1/98. THIS IS THE FINAL REPORT **ASSURANCE STATEMENTS** 

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of .

Chief Executive Office	EADQUARTES RESEARCH FACILITY OFFICIAL cer or Legally Responsible Institutional Official) we is true, correct, and complete (7 U.S.C. Section 2143).		ì
SIGNATURE OF INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Ty	pe or Print)	DATE SIGNED
(Replaces VS FORM 18-23 (OCT 88), with (AUG 91)	hich is obsolete.) (b) (b) (7)(c)	PART 1 - HEAI	DQUARTERS

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NOT 04

57R010

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA <sup>include Zip Code)</sup>lb Medical Center

2701 N. Decatur Road

Suite 550

Decatur, GA 30033

Status: Active

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach admittional sheets if necessary or use APHIS FORM 7023A, B. Number of Number of animals upon which leaching, C Number of D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments, conducted involving accompanying pain or distress to the animals and for which the use of appropriate Animals Covered 📑 bred. which leaching, teaching, research, conditioned, or By The Animal research TOTAL NO. surgery, or tests were held for use in anesthetic, analgesic, or tranquilizing drugs would Welfare Regulations experiments, or conducted involving OF ANIMALS have adversely affected the procedures, results, or interpretation of the teaching, research. teaching, testing, tests were accompanying pain or experiments, conducted distress to the animals research, or involving no experiments, surgery, or lests. (An explanation of (Cols. C + D + E) and for which appropriate surgery but not yet used for such pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or animals and the reasons such drugs were not used use of paintranquilizing drugs were purposes. relievina druas must be attached to this report). used 4. Dogs Cats Guinea Pigs Hamsters Rabbits 8. Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals **ASSURANCE STATEMENTS** 

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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Ryagutiya Officar or Lagully Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

HIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NOTOS 57R010 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Code) Inniucor, Inc. 3130 Gateway Dr. P.O. Box 5625 Norcross, GA 30091-5625

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held on these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** See Attached

Same as above

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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(AUG 91)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

See Attached

1. REGISTRATION NO 110 #9 7R0110

OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Memorial Medical Center, Inc.

P.O. Box 23089

P.O. Box 5625

Savannah, GA 31403-3089

Status: Active

leasth University

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) **FACILITY LOCATIONS (Siles)** 

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach admittional sheets if necessary or use APHIS FORM 7023A) E. Number of animals upon which teaching B. Number of Number of D. Number of aminals upon experiments, research, surgery or tests were animals being animals upon which experiments. conducted involving accompanying pain or distress bred. which leaching. Animals Covered teaching, research, conditioned, or research, to the animals and for which the use of appropriate TOTAL NO By The Animal surgery, or lesis were anesthetic, analgesic, or tranquilizing drugs would Welfare Regulations held for use in experiments, or OF ANIMALS conducted involving have adversely affected the procedures, results, or teaching, testing, tests were accompanying pain or experiments, interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of conducted distress to the animals (Cols. C + D + E) research, or involving no and for which appropriate the procedures producing pain or distress in these surgery but not pain, distress, or anesthetic, analgesic, or yet used for such use of painanimals and the reasons such drugs were not used tranquilizing drugs were purposes. must be attached to this report). relieving drugs. used Dogs Cats Guinea Pigs 7. Hamsters Rabbits 8. Non-human Primates Sheep 11. Pigs 12. Other Farm Animals Other Animals . . . **ASSURANCE STATEMENTS** 

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	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIA	I
TAIN CAVAVA	(Chief Executive Officer or Legally Responsible Institutional Official)	
THIS I A M THE CO	Legitify that the above is true, correct, and complete (7 U.S.C. Section 2143)	

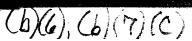
NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED 11/4/99

APHIS FORM 7023 (AUG 91)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(Replaces VS FORM 18-23 (COLORS DSolete )



See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

\*1709

See Attached

1. REGISTRATION NOT 14 ST RO114

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA (b)(b), (b)(7)(c)

1130 Crosstown Court

P.O. Box 5625

Peachtree City, GA 30269

DEC 0 2 1999

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach admittional sheets if necessary or use APHIS FORM 7023A.) B. Number of E. Number of animals upon which teaching, C Number of D. Number of animals upon experiments, research, surgery or tests were animals being animals upon which experiments, bred. which leaching, conducted involving accompanying pain or distress Animals Covered teaching, research, to the animals and for which the use of appropriate By The Animal conditioned, or research. TOTAL NO surgery, or lesis were anesthetic, analgesic, or tranquilizing drugs would held for use in Welfare Regulations experiments, or OF ANIMALS conducted involving teaching, testing, have adversely affected the procedures, results, or lesis were accompanying pain or interpretation of the teaching, research, experiments. conducted distress to the animals experiments, surgery, or tests. (An explanation of research, or involving no (Cols. C + D + E) and for which appropriate surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or animals and the reasons such drugs were not used vet used for such use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. 0 0 0 0 O Dogs Cats Guinea Pigs Hamsters 8. Rabbits 0 Non-human Primates 10. Sheep 0 11. Pigs 0 12. Other Farm Animals 0 13. Other Animals ASSURANCE STATEMENTS

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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of anemal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL.  (Chief Executive Officer or Legally Responsible Institutional Official)  1 certify that the above is true, correct, and complete (7 USC Section 2143)					
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED			
APH (AUG 91) Epiaces VS FORM 18-23 (OCT 88), which	h is obsolete (b)(6)(7)(C)				

See reverse side for additional information Interagency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. R00021

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Code) Indiana University at Bloomington

-Bryon-Hall, 110-

-P.O. Box 95-

-Bloomington, IN 47405

Status: Active

<ol> <li>REPORTING FACILITY (List all locations where animals were housed or used in actual research sheets if necessary.)</li> </ol>	h, testing,	teaching, or experimentation, or h	eld for these purposes. Attach additional
FACILITY LOCATIO	I.U.	Research Park	

D. Number of ammals upor

Compliance Office 501 North Morton St., 109B Bloomington, IN 47404

Kent Farm, Lab. Animal Resources, Biology Dept

B. Number of

bred.

**Animals Covered** 

By The Animal

Wellare Regulations

4. Dogs 5. Cats

Guinea Pigs

9. Non-human Primates

12. Other Farm Animals

Egyptian Spiny Mice **ASSURANCE STATEMENTS** 

13. Other Animals

Chinchilla

Kangaroo Rat

7. Hamsters Rabbits

10. Sheep 11. Pigs

animals being

conditioned, or

held for use in

experiments.

surgery but not

yet used for such

research, or

purposes.

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Med Scs Prog., Psyc. Dept., Animal Behavior Lab. REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Allach additional sheets if necessary or use APHIS FORM 7023A)

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relieving drugs.

Number of aimnals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon-which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
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- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.

10

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- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).	(b)(a)(b)(a)(c)	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIA (Chief Executive Officer or Legally Responsible Institutional Official)  1 certify that the above is true, correct, and complete (7 U.S.C. Section 2143).
--	-----------------	--

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

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11/17/94

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES OFPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO05

32<u>R0005</u>

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Gode) Bristol-Myers Squibb Company

2400 W. Lloyd Expressway

P.O. Box OS

Evansville, IN 47721 Status: Active

NOV 1 8 1999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

See Attached

Building 101

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	2	10	57	9	76
5. Cats	0	0	0	0 .	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	0	3	16	0	19
9. Non-human Primates	57	6	12	0	18
10. Sheep	0	0	0	0	. 0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0.
13. Other Animals	0	0	0	0	0 .

- Profession table standards governing the care, treatment, and use of animals, including approvate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF OF OF

APHIS FORM (AUG 91) (Heplaces VS FORM 18-23 (OCT 88), which is obsolete)



Pharmaceutical Research Institute

2400 West Lloyd Expressway: Evansville, IN 47721-0001 812 429-5000

NOV 1 8 1999

Annual Report of Research Facility October 28, 1999 Registration No. 32-R-0005

The 9 dogs included in column "E" were used in routine toxicity studies of new pharmaceutical compounds. During repeat-dose studies these dogs showed marked side effects attributed to the test compound.

These studies were performed in compliance with Good Laboratory Practice Regulations of the Food and Drug Administration. The use of anesthetic, analgesic, or tranquilizer agents was not possible because of their potential interference with the toxicity profile of the new pharmaceutical compounds.

# Summary of Exceptions

There were no exceptions to the standards and regulations during this reporting period.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.07 32 ROOOT

Status: Active

FORM APPRO

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered winclude Zip Code)
Purdue University

Ofc of the Vice Pres for Rsrch Hovde Hall of Admin., Rm 347 West Lafayette, IN 47907

NOV 2.9

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach sheets if necessary.)

FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Affach additional sheets if necessary or use APHIS FORM 7023A.)

A Aniinals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic; analgesic, or tranquitizing drugs were used	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).
4. Dogs	2	124	402	0
5. Cats	0	36	0	0
6. Guinea Pigs	0	22	129	0
7. Hamsters	6	62	216 .	0 4
8. Rabbits	12	60	28	0
9. Non-human Primates	0	0	0	. 0
10. Sheep	0	6	5	0
11. Pigs	16	566	163	0 .
12. Other Farm Animals				
	, <del>-</del>		3	
13. Other Animals				
Chinchilla	0	7	0	0
Gerbil	0	10	0	0
Kangaroo Rat	0	9	0	0

ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, pr and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explain principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals all.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of oth animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)



UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.
32R000

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Codel

NOV 2.9 1999

# CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY ( TYPE OR PRINT)

EPORT OF ANIMALS USED BY OR	B Number of animals being	C Number of animals upon which leaching.	D Number of animals upon which experiments.	experiments, research, surgery or tests were	F TOTAL NO
Animals Covered By The Animal Welfure Regulations	bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such	research, experiments, or tests were conducted involving no pain, distress, or use of pain-	teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were	conducted individual conducted individual conducted individual for which the use of appropriate anesthetic, analysisc, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the triasons such drugs were not used must be affected to this roport).	OF ANIMALS  (Cols. C + D + E)
12 &/OR 13 Other (Ust by species)	purposes.	relieving drugs.	used.	0	21
Short Tailed Shrew		21	0	0	71
White Footed Mouse	. 0	71	0	0	15
Cow	0	2	13		11
Goat	0	11	,0	0	ļ
Horse	0	67	57	0	124
Llama	0	12	5	. 0	17
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			,	William Control	
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## ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of aniesthetic analysis and tranquilizing drugs, prior to, during and following solved transports to the party following appropriate use of aniesthetic analysis and tranquilizing drugs, prior to, during and following actual research, leaching, lesting, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions are instituted in the IACUC and approved to the committee of the summary of all such exceptions. addition to identifying the IACUC-approved exceptions, this summary includes a tirief explanation of the exceptions, its well us the spirites and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal case and transfer and t

unimal care and use	
	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)  Legithy that the above is true, correct, and complete (7 U.S.C. Section 2143)
	COMETITUTIONAL OFFICIAL IT.

SIGNATURE OF C.E.O. OR INSTITUTI	IONAL OFFICIAL
	(b)(b)
	(IXA)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

# Supplement to APHIS form 7023

Site No.	Department	Building(s)	Floor/Room	Contact Person	Phone Number
01	Animal Sciences	Lily Hall	Basement/First Floor		and the second
03	Biological Sciences	Lily Hall	Second Floor	t t	
04	Biomedical Engineering	Potter Building	Basement/Second Floor		
05	Foods and Nutrition	Lily Hall	Basement		
06	Hansen Life Science Research Center	Hansen Building	Basement	đt	ور
07	School of Pharmacy	Heine Building	Second Floor	ft.	
08	Psychological Sciences	Psychology and Peirce Buildings	Basement/Fourth Floor (PSYC); First Floor (PRCE)	er	
09	Veterinary Clinical Sciences	Lynn Hall	Basement, first and second floors - LYNN; VFAR; SGU; VRF		
10	Veterinary Laboratory Animal Care	Veterinary Animal Holding Facility	VRAF; ISOL-2; VLAB, VPB, LYNN, DOYL, and VAHF		
11	Calumet Regional Campus	Gyte Science Building	Ground Floor – GYTE		
12	Ft. Wayne Regional Campus	Life Science Resource Center; Classroom Medical Education; Science Building	LSRC; Second Floor of CME; Fourth Floor of Science Bldg.		
13	North Central Regional Campus	Swarz Building	Third Floor		
14	Animal Sciences Research and Education Center	Various Buildings	Various animal units		
17	Swine Gnotobiotic Unit	Purdue Veterinary Farm	Barn		
18	Aquaculture Unit	Aquaculture Building	Ground Floor		
19	Wildlife Animal Care Facility	WACF Building	Ground Floor		

all redactions (6)(6) (e)(7)(C)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.09

FORM APPROVED OMB NO. 0579-0036

JR DOD 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Methodist Hospital of Indiana, Inc

> Dept. of Medical Research 1701 N. Senate Boulevard Indianapolis, IN 46202

Status: Active

17	0	1
1	0,	<

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary ) FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.) E. Number of animals upon which teaching, B. Number of C. Number of D. Number of ammals upon experiments, research, surgery or lests were animals being animals upon which experiments, conducted involving accompanying pain or distress bred. which leaching, **Animals Covered** teaching, research. to the animals and for which the use of appropriate By The Animal conditioned, or research, TOTAL NO surgery, or tests were anesthetic, analgesic, or tranquilizing drugs would held for use in Wellare Regulations experiments, or OF ANIMALS conducted involving have adversely affected the procedures, results, or teaching, testing, tests were accompanying pain or interpretation of the teaching, research, experiments, conducted distress to the animals experiments, surgery, or tests. (An explanation of (Cols. C + research, or involving no and for which appropriate surgery but not pain, distress, or the procedures producing pain or distress in these D + E) anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were must be attached to this report). purposes relieving drugs. used 33 33 1 Dogs 37 37 Cats 0 Guinea Pigs 0 Hamsters 24 1 24 Rabbits 0 Non-human Primates 1 1 10. Sheep 93 1 93 Pigs 12. Other Farm Animals 13. Other Animals 1 Ferret 1

# **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO10

32 R 0010

FORM APPRO

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered winclude Zip Bottler University

4600 Sunset Avenue

Indianapolis, IN 46208 , NOV 0 8 199

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach sheets it necessary.)

Pharmacy Building, 4th Floor Gallahue Hall, Room 280

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Altach adiditional sheets if necessary or use APHIS FORM 7023A.)

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).
4. Dogs	0	0	0	0
5. Cats	0	0	0	0
6. Guinea Pigs	0	2	0	0
7. Hamsters	0	0	0	0
8. Rabbits	0	0	0	0
9. Non-human Primates	0	0	0	0
10. Sheep	0	0	0	0
11. Pigs	0	O ·	0	0
12. Other Farm Animals	0	0	0	0
13. Other Animals	0	0	0	0
				,

## ASSURANCE STATEMENTS

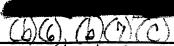
- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, pri and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explain principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals all.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of otherwise and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL.
(Chief Executive Officer or Legally Responsible Institutional Official)

1 certify that the above is true, correct, and complete (7 USC Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)



See reverse side for additional information

Interagency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO 12 32ROOL

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) Indiana University at Kokomo

2300 S. Washington Street

P. O. Box 9003 Kokomo, IN 46904-9003

Status: Active

3 NOV 1 5 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

140

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles) See Attached

Dept. of Natural, Information & Mathematical Sciences

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (COIS. C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	0	0	0
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	. 0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals	0	0	0	0	Ö
		·			

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

11/4/99

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRAJION NOO16 32ROOK

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) University of Notre Dame

Graduate Studies & Research 302 Administration Notre Dame, IN 46556 Status: Active

**V** 0 8 1999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** See Attached

Freimann Life Science Center

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	1	67	0	67
7. Hamsters	0	1	0	0	1
8. Rabbits	0	. 30	0	0	30
9. Non-human Primates	0	0	0	0 -	0
10. Sheep	00	0	0	0	0
11. Pigs	0	0	. 0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals					
<b>Gerbils</b>	0	4	0		4
ASSURANCE STATEMENTS					

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to over animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

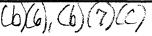
NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

Graduate Studies and Research

APHIS FRM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)



UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

NOV 02 1999

1. REGISTRATION NO. 32R 0015

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code) Indiana University School of Scien Purdue University-Indianapolis 402 N. Blackford Street Indianapolis, IN 46202-3272

Status: Active

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

FOR THE PERIOD OCTOBER 1, 1998, TO SEPTEMBER 30, 1999.

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** See Attached

τD

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in feaching, festing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, feaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (COIS. C + D + E)
4. Dogs	0				0
5. Cats	0				0
6. Guinea Pigs		2			2
7. Hamsters		153			153
8. Rabbits		2			2
9. Non-human Primates	0				0
10. Sheep	0				0
11. Pigs	. 0				0
12. Other Farm Animals	0				0
13. Other Animals	0				0
		THERE ARE	NO TAGES APPRO	VED EXCEPTIONS TO REPORT	

## **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the agent anunal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

School of Science

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

See reverse side loradditional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Department of Life Science

1. REGISTRATION NO.19 3aroof

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Codel Indiana State University

Department of Life Sciences 302 Administration Terre Haute, IN 47809

Status: Active

\$118

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessory.)

FACILITY LOCATIONS (Siles) See Attached

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A) E. Number of animals upon which teaching, B. Number of C. Number of D. Number of animals upon experiments, research, surgery or tests were animals being animals upon which experiments, Animals Covered bred. which leaching, conducted involving accompanying pain or distress teaching, research, to the animals and for which the use of appropriate By The Animal conditioned, or research. TOTAL NO. surgery, or tests were conducted involving anesthetic, analgesic, or tranquilizing drugs would held for use in Welfare Regulations experiments, or OF ANIMALS have adversely affected the procedures, results, or interpretation of the teaching, research, teaching, testing, tests were accompanying pain or experiments. conducted distress to the animals research, or experiments, surgery, or tests. (An explanation of (Cols. C + D + E) on pnivlovni and for which appropriate surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. used Dogs Cats 6. Guinea Pigs Hamsters 31 0 31 8. Rabbits Non-human Primates Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals **ASSURANCE STATEMENTS** 

- 1). Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3): This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL.  (Chief Executive Officer or Legally Responsible Institutional Official)  1 certify that the above is true, correct, and complete (7 USC Section 2143)					
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED			

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO 20 32R002C

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code; I.P.S., Inc.

10424 Middle Mt. Vernon Road 302 Administration Mt. Vernon, IN 47620

Status: Active

ے لا سا UCT 28 1999

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

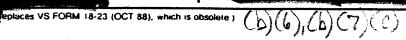
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM 7023A.) B. Number of Number of animals upon which teaching, C. Number of D. Number of animals upon animals upon experiments, research, surgery or tests were animals being which experiments, which leaching, Animals Covered bred. conducted involving accompanying pain or distress teaching, research, conditioned, or to the animals and for which the use of appropriate By The Animal research. surgery, or lests were TOTAL NO Welfare Regulations held for use in anesthetic, analgesic, or tranquilizing drugs would experiments, or OF ANIMALS conducted involving teaching, testing, lesis were have adversely affected the procedures, results, or accompanying pain or distress to the animals experiments, interpretation of the teaching, research, conducted involving no research, or experiments, surgery, or tests. (An explanation of (Cols. C + D + E) and for which appropriate surgery but not the procedures producing pain or distress in these pain, distress, or anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were ourposes. relieving drugs must be attached to this report). used 214 9 223 13 Dogs Cats Guinea Pigs 6. 7. Hamsters 143 143 25 8. Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 2 2 Goat 13. Other Animals **ASSURANCE STATEMENTS** 

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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(b)(6), (b)(7)(c)	(Chief Executive Officer or I	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) , correct, and complete (7 U.S.C. Section 2143)	CC:	(O, G)(7)(	
SIGNATURE OF C.E.O. OR INSTITUTION	AL OFFICIAL	NAME & TITLE OF CEO. OR WATERWINDOWN OFFICE A			

ATE SIGNED 10/21/99

APHIS FORM 702 (AUG 91)



se side for I information. Interagency Report Control 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

32-R-0023

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

Schering-Plough Animal Health Corporation 2458 North Chamberlain St.

47805

302 Administration

Terre Haute, IN

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites) DEC 0 1 1903 2458 North Chamberlain St. Terre Haute, IN

A.  Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	325	2	7	334
5. Cats	0	136	0	0	136
6. Guinea Pigs	0	0	52	0	52 <sup>-</sup>
7. Hamsters	0	0	0	. 0	. 0
8. Rabbits	. 0	0	0	0	0
9. Non-human Primates	0	0	0	0 .	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	. 0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals			,		
			· · · · · · · · · · · · · · · · · · ·		

## 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during,

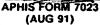
- and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

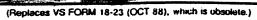
CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(b)(b)(7)(c) (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143). CEO OR INSTITUTIONAL OFFICIAL NAME & TITLE OF C.E.Q. OR INSTITUTIONAL OFFICIAL (Type or Print) (6)(6) Schering-Plough Animal Health (b)

DATE SIGNED

29 NOV 199







32R0023

## 1999 ANNUAL REPORT OF RESEARCH FACILITY

Schering-Plough Animal Health Corp. 2458 N. Chamberlain St. Terre Haute, IN 47805

05C 01 1999

Registration No. 32-R-0023

Column E Entries

## **Dogs (7)**

All seven dogs listed in Column E were used in required regulatory testing. All protocols for this testing were reviewed and approved by IACUC.

Six dogs experienced clinical signs of illness in immunogenicity testing required under 9 C.F.R. Part 113, which anticipates the possibility of death of animals on the study. In compliance with applicable regulations, animals experiencing clinical signs of illness due to testing were only treated or euthanized when the illness had progressed to a point when death is certain to occur without therapeutic intervention. (9 C.F.R. Part 117.4(e).) All animals were humanely euthanized as soon as possible after the end of the study.

One dog involved in a safety study for an exploratory compound experienced depression and unexpectedly died.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

# 1. REGISTRATION 19018 32R 0018

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Indiana University School of Denti

1121 W. Michigan Street 302 Administration Indianapolis, IN 46202 Status: Active OCT 2 5 1999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

See Attached

Bioresearch Facility

Animals Covered By The Animal Wetlare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E.	Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or lests. An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (COIS. C + D + E)
4. Dogs			32			32
5. Cats			46			46
6. Guinea Pigs			0	·	,	
7. Hamsters			0			
8. Rabbits			6			6
9. Non-human Primates			0			
10. Sheep			0			
11. Pias			0			
12. Other Farm Animals			0			
13. Other Animals		2				
						······································

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of enesthetic, analgesic, and tranquitizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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4). The attending veterinarion for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of amenal care and use

		CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
11111		(Chief Executive Officer or Legally Responsible Institutional Official)
( L MAN	MAKEN /AN	I carrily that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTERNOVAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

Indiana University School of Dentistry

10/20/99

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

b)(6)(b)(7)(E)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 32-R-0029 32R002

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Bayer Corporation

1884 Hiles Avenue 302 Administration Elkhart, IN 46514 Status: Active

#25

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

<del>0 1 1353</del>

See Attached

Bayer Corporation, Site Animal Facility

1994 Miles Avenue Elkhart IN 46514

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters				, , , , , , , , , , , , , , , , , , , ,	
8. Rabbits		24			24
Non-human Primates	·				
10. Sheep		·	,		
11. Pigs		,			
2. Other Farm Animals			5		
Goats	,	36			36
13. Other Animals		o			,
	• •				

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use

				CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
20 X	A 5	100	Α.	(Chief Executive Officer or Legally Responsible Institutional Official)

Ecertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & LITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

APHIS FORM (AUG 91

s VS FORM 18-23 (OCT 88), which is obsolete)

CHANT TOTALLA

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO35

32R0035

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA <sup>include Zip</sup> Hartan Bioproducts for Science Inc

P.O. Box 29176 302 Administration Indianapolis, IN 46229-0176

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

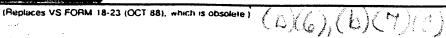
**FACILITY LOCATIONS (Siles)** 

2826 Latham Drive Madison, WI REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.) B. Number of Number of Number of animals upon which teaching, D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments, bred. Animals Covered which leaching, conducted involving accompanying pain or distress teaching, research, surgery, or tests were conditioned, or By The Animal to the animals and for which the use of appropriate research, TOTAL NO. Welfare Regulations held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would conducted involving OF ANIMALS teaching, testing, have adversely affected the procedures, results, or lesis were accompanying pain or distress to the animals experiments, conducted interpretation of the teaching, research, involving no research, or experiments, surgery, or tests. (An explanation of and for which appropriate (Cols. C + D + E) surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were relieving drugs purposes. must be attached to this report). Dogs Cats Guinea Pigs Hamsters 355 355 Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals **ASSURANCE STATEMENTS** 

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(Chief Executive Officer of	QUARTES RESEARCH FACILITY OFFICIAL r Legally Responsible Institutional Official) me, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF CE OF OR THE THE TONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
		11/29/99

APHIS FORM 7023 (AUG 91)



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See reverse side for additional information Interagency Report Control No 0180-DOA-AN

See Attached

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO38 32R003

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA <sup>unclude Zip</sup> ೯೯೮೪essional Veterinary Research,

1328 West Commerce Street 302 Administration Brownstown, IN 47220 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.) B. Number of Number of animals upon which teaching, C Number of D. Number of animals upon Ε. animals being experiments, research, surgery or tests were animals upon which experiments, **Animals Covered** bred which leaching, conducted involving accompanying pain or distress leaching, research, conditioned, or to the animals and for which the use of appropriate By The Animal research. TOTAL NO. Surgery, or Jests were held for use in anesthetic, analgesic, or tranquilizing drugs would Welfare Regulations experiments, or OF ANIMALS conducted involving leaching, testing, lesis were have adversely affected the procedures, results, or accompanying pain or interpretation of the teaching, research, experiments, conducted distress to the animals research, or experiments, surgery, or tests. (An explanation of involving no (Cols. C + D + E) and for which appropriate surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or animals and the reasons such drugs were not used vet used for such use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. used Dogs Cats Guinea Pigs Hamsters Rabbits 8. Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals

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		(7)(0	OFFICIAL	ve is trine, current, and cumpose to 0.00 Section 2.10)
TINIA	1	1/10/10	(Chief Executive Office	er or Legally Responsible Institutional Official) ve is true, correct, and complete (7 U.S.C. Section 2143).
		(	CERTIFICATION BY III	EADQUARTES RESEARCH FACILITY OFFICIAL

DATE SIGNED

NAME & FITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

**APHIS FORM 7023** (AUG 91)

ASSURANCE STATEMENTS

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(Replaces VS FORM 18-23 (OCT 88), which is obsolete) (b)(b), (b)(f)(C)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NOO25 3AR COAT

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Charlana University School-of Medic

1120 S. Drive, FH-302

302 Administration

Indianapolis, IN 46202-5113 NOV 151999 =

Status: Active

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these "purposes." Attrach additional

**FACILITY LOCATIONS (Sites)** 

Animals Covered By The Animal Wellare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, enalgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (COIS. C + D + E)
. Dogs	11	13	623		636
i. Cats					
5. Guinea Pigs			30		30
7. Hamsters		6	2		8
		6	85		91
B. Rabbits			2 .		2
Non-human Primates			64		64
10. Sheep 11. Pigs			162		162
12. Other Farm Animals					
13. Other Animals					
					ļ
-					

## **ASSURANCE STATEMENTS**

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

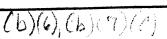
SIGNATURE OF C.E.O. OR INSTITUTIONAL DEFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

IU School of Medicine

APRIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)



32-K-CUQ5

# 32 R0025

# Indiana University School of Medicine's Active Facility Locations

3 NOV 1 5 1999

£ V

Site 001 Lab Animal Resource Center Site 002 Inactive Site 003 Inactive Northwest Center for Medical Education Site 004 South Bend Center for Medical Education Site 005 Site 006 Terre Haute Center for Medical Education LARC - IU School of Medicine Site 007 Conrad Farm Evansville Center for Medical Education Site 008

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO 27 2 baroos

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Indiana University-Southeast

4201 Grant Line Rd. 302 Administration New Albany, IN 47150-6405 Status: Active

NOV 1 8 1999

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these, purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

See Attached Division of Natural Sciences

REPORT OF ANIMALS USED BY OF	R UNDER CONTROL OF	RESEARCH FACILITY	<u> </u>	ecessary or use APHIS FORM 7023A)  E. Number of animals upon which teaching.	T
Animals Covered By The Animal Wellare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats		,			
6. Guinea Pigs					·
7. Hamsters					
8. Rabbits			,		
9. Non-human Primales					
10. Sheep					
11. Pigs					•
12. Other Farm Animals			,		•
13. Other Animals					
Oryzomys Palustri	190	320	276		596
Rana Balandria Fr	ogs	178			178
HD White Rats		20	28		48
ASSURANCE STATEMENTS					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, lesting, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

UTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

42-R-0002

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY IName and Address, as registered with USDA include Zip Code)

UNIV OF OSTEO MEDICINE 3200 GRAND AVE

DES MOINES, IA 50312

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) Ė

FACILITY LOCATIONS (Siles)

Des Moines University - Osteopathic Medical Center

SOURCES

3200 Grand Aut. Des Moines Ig 50312

REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	(Altach adiditional sheets if ne	cessury or use APHIS FORM 7023A)	1 30312
A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals being bred; animals upon which leaching, research, held for use in teaching, lesting, experiments, or lests were conducted involving no pain, distress, or use of pain.	O. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	0		81	·	81
5. Cats	0		7		7
6. Guinea Pigs	0				,
7. Hamsters	0				
8. Rabbits	0				
9. Non-human Primates	0				
10. Sheep	-0				1. nx/
11. Pigs	0		6		6
12. Other Farm Animals	0				
13. Other Animals				:	
Rats	6		229		229
Mice	0				201
Newls	0		100		1.00
ASSURANCE STATEMENTS		•			1 7.00

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of . animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & JITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED 10/12/99

APHIS FORM 7023 Penlarge VS FORM 18-23 (OC

See reverse side torianditional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

42-R-0003

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY /Name and Address, as registered with USCA include Zip Code)

IOWA STATE UNIVERSITY
1426 VET MED

(b)(6)

ATTN:

AMES, IA 50011

(b)(J)(c)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

: <u>ت</u>نز

See Attached

A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	O. Number of aminals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which leaching: experiments_tesearch, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely allected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	174	112	777	0	*889
5. Cais	5	136	296	0	*432
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	4	0	0	4
8. Rabbits	0	72	15	0	87
9. Non-human Primates	0	0	0	0	0
10. Sheeo	. 0	6	0	0	6.
11. Pigs	0	38	344	0	382
12. Other Farm Animals			• 1		
See continuation					
13. Other Animals				:	
See continuation					•
*Numbers include spayed/neutered a	<del>247 dogs an</del> nd returned	1 294 cats 1	elonging to hun	ane societies. These animals	were

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official),
I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

See reverse side for additional information. 3

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

Interagency Report Control No. 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE .

. ...

1. REGISTRATION NO. 42-R-0003

FORM APPROVED OMB NO. 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Code) Iowa State University 1426 Vet. Med.

Ames, Iowa 50011

Attn:

(b)(6), (b)(7)(c)

EPORT OF ANIMALS USED BY OR	UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if neo	cessary or use this form.)	
Animals Covered By The Animal Wellare Regulations 12. &/OR 13. Other (Ust by species)	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and lor which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (COIS. C + D + E)
12. Horses	0	6	0	0	6
Cattle	0	67	0	0	67
Goats	0	5	8	0	13
13. Gerbils	0	2	0	0	2
Fish	0	30	0	0	30
Frogs	0	267	0	0	267
Turtles	0	135	0	0	135
Snakes	0	28	0	0	28
Vampire Bats	0	4	0	0	4
Brazilian sho		0	310	0	310
tailed oposs	ms				

## ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

AL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED 11/19/99

e: · · .





42R 0003

# Reporting Facility

- 1. Laboratory Animal Resources
- 2. Veterinary Medical Research Institute
- 3. Animal Resource Station
- 4. Molecular Biology Building
- 5. Human Nutritional Sciences Building
- 6. Science II
- 7. Kildee Hall

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

# ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

42-R-0004

FORM APPROVED

OMB NO. 0579-0036 2. HEADQUARTERS RESEARCH FACILITY IName and Address, as registered with USDA

UNIVERSITY OF IOWA

400 MEDICAL LABORATORIES IOWA CITY, IA 52242

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)

Buildings: 0129, 0255, 0028, 0204, 0011, 0018.

950

include Zip Code)

REPORT OF ANIMALS USED BY O			(Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A)	
Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	11		211		211
5. Cats	3		16		16
6. Guinea Pigs	2		34		34
7. Hamsters	65	240	55		295
8. Rabbits	62	47	1038		1085
9. Non-human Primates	4		32		32
10. Sheep			123		123
11. Pigs		6	86		92
12. Other Farm Animals	·				
Chickens	,	167			167
13. Other Animals					
Frogs	65	512	196		708
Pigeons	8	8			8
Ferrets ASSURANCE STATEMENTS	14	58	4		62

t). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (TYPE

DATE SIGNED

<sup>2).</sup> Each principal investigator has considered alternatives to painful procedures.

<sup>3).</sup> This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

<sup>4).</sup> The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of . animal care and use.

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150.

See reverse side for - additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE . ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

42-R-0005

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

> DRAKE UNIVERSITY 2507 UNIVERSITY AVE

ATTN: DE WORM HOFFER

DES MOINES, IA 50311-4505

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

		- FAC	CILITY LOCATIONS (Sites)	•	
College of	Pherma	Oix -		Din Hall	****
Primal	facili	15		Animal facility	
REPORT OF ANIMALS USED BY OF	UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A)	<u> </u>
A.  Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL'NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					·
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep	,				
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
Mice	1000	825			825
Rats	1222	510	a cc		710
		•			
ASSURANCE STATEMENTS		•			I

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, Professionally acceptable standards governing the care, treatment, and use or animals, including approving use or animals, including use of animals, including use or animals, includi
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the rins lacinty is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- .4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of . animal care and use.

	•	•	•			•	<b>*</b>	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIA	ı
/		16).	11	1		1		(Chief Executive Officer or Legally Responsible Institutional Official)	
_/	٥,	1161		ΣX	7	/ (		I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).	

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED



See reverse side for - additional information. Interagency Report Control 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

42-R-0011

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

LUTHER COLLEGE 700 COLLEGE DR

SAISBURG Mimal

DECORAH, IA 52101 3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Sites)

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REPORT OF ANIMALS USED BY OR	B. Number of	AESEARCH FACILITY		cessary or use APHIS FORM 7023A)	· · · · · · · · · · · · · · · · · · ·
Animals Covered By The Animal Welfare Regulations	animals being bred, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	0	0	10	Ò	. 10
9. Non-human Primates					/0
10. Sheep			·		· · · · · · · · · · · · · · · · · · ·
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
			·		
					······································
		•			

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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· 10 11 / 1 / 1 / 1 / 1 / 2 / 3 / 3 / 3 / 3 / 3 / 3 / 3 / 3 / 3	
-0/(0,10x(7)(c)	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
	TEADQUARTES RESEARCH FACILITY OFFICIAL
	(Chief Executive Officer or Legally Responsible Institutional Official)
	Contract the Curve Officer or Legally Responsible Institutional Officials
	Location that the share in
	I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

(AUG 91)

VS FORM 18-23 (OCT 88), which is obsolete.)

NOV 23 ISSS FOR PERIOD 10-1-98 to 12-31-1998 ns can
See reverse side for additional information.

See reverse side for ontrol No 0180-00A-AN (3 man 1h 5) This repost is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150. UNITED STATES DEPARTMENT OF AGRICULTURE . ANIMAL AND PLANT HEALTH INSPECTION SERVICE FORM APPROVED 42-R-0015 OMB NO. 0579-0036 2. HEADQUARTERS RESEARCH FACILITY IName and Address, as registered with USDA include Zip Code) ANNUAL REPORT OF RESEARCH FACILITY DEC AMBICO INC 7 1999 (TYPE OR PRINT) 902 SUGAR GROVE AVE ATTN: DALLAS CENTER, IA 50063 3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional FACILITY LOCATIONS (Siles) LOW Attached REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.) C Number of E. Number of animals upon which teaching, D. Number of animals upon animals being animals upon which experiments. . experiments, research, surgery or lests were **Animals Covered** bred --which leaching, conducted involving accompanying pain or distress By The Animal conditioned, or teaching, research, research, to the animals and for which the use of appropriate surgery, or lesis were Wellare Regulations held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would TOTAL NO. conducted involving leaching, testing, lesis were OF ANIMALS have adversely affected the procedures, results, or accompanying pain or experiments. conducted interpretation of the teaching, research. distress to the animals research, or involving no experiments, surgery, or tests. (An explanation of and for which appropriate surgery but not (Cols. C + D + E) pain, distress, or anesthetic, analgesic, or the procedures producing pain or distress in these yel used for such use of painanimals and the reasons such drugs were not used tranquilizing drugs were purposes. relieving drugs. used must be attached to this report). Dogs Cats Guinea Pigs 75 75 Hamsters 11 19 30 Rabbits 349 349 Non-human Primates 10. Sheep 11. Pigs 700 85 785 12. Other Farm Animals 13. Other Animals

ASSURANCE STATEMENTS

Mice

Chicken

- 1). Professionally acceptable standards governing the care, freatment, and use of animals, including approxiate use of anesthetic, analgesic, and franquilizing drugs, prior to, during, and following actual research, feaching, festing; surgery, or experimentation were followed by this research facility.
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(Chief Executive Officer or	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) a, correct, and complete (7 U.S.C. Section 2143).	·
SIGNATURE ÓF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED 11/11/99

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

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4,725

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See reverse side for additional information. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE .

ANIMAL AND PLANT HEALTH INSPECTION SERVICE

42-R-0016

FORM APPROVED OMB NO. 0579-0036 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

MERCY MED CTR-SIOUX CITY

801 5TH ST

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)

Roach Animal Hospital

**12**2

include Zip Code)

18th St. Sioux City, IA 51104

See Attached

Perry Creek Animal Hospital

510 W19th St. Sioux City, IΑ 51104

REPORT OF ANIMALS USED BY OI A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred,—conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, . Iteaching, research, surgery, or tests were "conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquitzing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research.	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	99	0	0	9
5. Cats	0	-0	0	0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	0	0	0
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Piqs		<u> </u>	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals	0	0	0	0	0 .
				·	
		•	• •		

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an under to cease and desist and to be subject to penalties as provided for in Section 2150.

See reverse side for additional information. Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE -ANIMAL AND PLANT HEALTH INSPECTION SERVICE

42-R-0019

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA) include Zip Code)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1568 N MAIN AVE

ATTN:

SIOUX CENTER, IA 51250-0050

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

Gesink Research Facility, 4349 Ironwood Avenue, Orange City, IA 51041

Boehringer Ingelheim Vetmedica, Inc. 1568 North Main, Sioux Center, IA

	Animals Covered By The Animal fellare Regulations	B. Number of animals being bred.— conditioned, or held for use in feaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were reconducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and fur which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	5					
5. Cats			.•			
6. Guin	ea Pigs			304		304
7. Ham	sters					
8. Rabt	oits			125		125
9. Non-	human Primates			,		
10. She	eo					۰
11. Pigs	<b>.</b>					
12. Oth	er Farm Animals	·				,
13. Othe	er Animals					
·						
				•		

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, Professionally acceptable standards governing the care, treatment, and day of emission were followed by this research lacility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the rins required in a standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of . animal care and use.

Certification by Headquartes research facility official (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

CIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

BI Vetmedica in

Sioux Center, Iowa

See reverse side for additional information.

Interagency Report Confronto 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE .
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

42-R-0024

FORM APPROVED OMB NO. 0579-0036

 HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDAinclude Zip Code)

9 P

ST LUKE'S REG MED CTR 2720 STONE PARK BLVD

(b)(6) (b)(h) (c)

SIOUX CITY, IA 5110

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Roach Animal Hospital 1909 Pierce St See Attached 51104 Sioux City, Ia. REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.) B. Number of Number of E. Number of animals upon which teaching, D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments, . Animals Covered bred, - which leaching, conducted involving accompanying pain or distress to the animals and for which the use of appropriate teaching, research, By The Animal conditioned, or research. surgery, or lesis were Welfare Regulations held for use in experiments, or TOTAL NO. anesthetic, analgesic, or tranquilizing drugs would -conducted involving leaching, testing, lesis were OF ANIMALS have adversely affected the procedures, results, or accompanying pain or experiments. conducted interpretation of the teaching, research, distress to the animals research, or involving no experiments, surgery, or tests. (An explanation of and for which appropriate surgery but not (Cols. C + pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or yel used for such D + E) use of painanimals and the reasons such drugs were not used tranquilizing drugs were purposes. relieving drugs. must be attached to this report). used Dogs Cats 0 0 Guinea Pigs Hamsters Rabbits Non-human Primates 10. Sheep 11. Pigs Other Farm Animals 13. Other Animals ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.EO. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

10/5/9

UNITED STATES DEPARTMENT OF AGRICULTURE . ANIMAL AND PLANT HEALTH INSPECTION SERVICE

42-R-0026

FORM APPROVED OMB NO. 0579-00360

## ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTY include Zip C

Kirkwood Community College Veterinary Technician Program 6301 Kirkwood Boulevard SW Cedar Rapids, IA 52404

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheels if necessary.)

FACILITY LOCATIONS (Sites)

Kirkwood Community College Animal Health Technologies Building

433 À

See Attached 6301 Kirkwood Bouleyard SW Cedar Rapids, IA 52404

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number, of animals upon which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs		. ,	72		72
5. Cats			26		26
6. Guinea Pigs		· 4			4
7. Hamsters		12			12
8. Rabbits	1	2	1		3
9. Non-human Primates		0			0
10. Sheep		0			0
11. Piqs		1			1
12. Other Farm Animals		0 .			0
<del></del>	<u> </u>				
13. Other Animals			·		
Ferrets	ļ	2			2

### ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of . animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 Replaces VS FORM 18-23

DCT 881; which is obsolete

UNITED STATES DEPARTMENT OF AGRICULTURE .
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

" NOV 1 5 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 42-R-0027

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

. M1

MIDLAND BIOPRODUCTS CORPORATION
PO BOX 309

BOONE, IA 50036-0309

(6)(7)(0)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles) 1284 Quill Ave. IA 50036 IA 50036 Boone 1437 230th St. Boone See Attached 1826 230th St. Boone IA 50036 1285 T. Ave. Boone 50036

Α .	B. Number of C. Number of D. Number of animals upon E. Number of animals upon being pointed being.					
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, . Iteaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	F. TOTAL NO. OF ANIMALS  (Cols. C + D + E)	
4. Dogs						
5. Cats						
6. Guinea Pigs						
7. Hamsters						
8. Rabbits						
9. Non-human Primates						
10. Sheep						
11. Piqs						
12. Other Farm Animals			,			
GOATS	22	1121			1121 6	
13. Other Animals				-		
Chickens		12			12	
				·		
		•				

## ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analysis, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/03/99

APHIS FORM 7023

FORM 18-23 (OCT 88), which is obsolete.)

See reverse side for - additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

42-R-0029

OMB NO. 0579-0038 FORM APPROVED

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

ELMIRA BIOLOGICALS INC

5514 ELMIRA RD NE

IOWA CITY, IA 52240

. . .

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, lesting, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

NO

FACILITY LOCATIONS (Sites)

5514 Elmira Rd NE Town

9833

REPORT OF ANIMALS USED BY OR	B. Number of	C Number of			
Animals Covered By The Animal Weltare Regulations	animals being bred,— conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were "conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	.3	0			0
9. Non-human Primates					
10. Sheep	44	33			33
11. Piqs					
12. Other Farm Animals					£.
पप्पेंड	9	16			16
13. Other Animals	•	:			
· · · · · · · · · · · · · · · · · · ·					
		ł <sup>.</sup>			

# ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use. 377.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

**APHIS FORM 7023** 

SEP See reverse side for · additional information.

Bieragency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE . ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

B. Number of

bred .- -

animals being

conditioned, or

held for use in

experiments.

surgery but not

yel used for such

research, or

purposes.

0

leaching, testing,

42-8-0030

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY IName and Address, as registered with USDA..... include Zip Code)

VETERINARY RESOURCES INC

PO BOX 866 ATTN:

AMES, IA 50010

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.)

C Number of

research,

lesis were

conducted

involving no

use of pain-

animals upon

which leaching,

experiments, or

pain, distress, or

relieving drugs.

0

i

43

58510 280th St.

Animals Covered

Welfare Regulations

Dogs

Cats

10. Sheep 11. Pigs

Guinea Pigs Hamsters Rabbits

Non-human Primates

12. Other Farm Animals

13. Other Animals

Cambridge IA 50016

D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
0	0	0
·		
		<u> </u>

## ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research lacility.
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- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of . animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

ITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

**APHIS FORM 7023** 

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

See reverse side for - additional information.

Interagency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE . ANIMAL AND PLANT HEALTH INSPECTION SERVICE

42-R-0031

FORM APPROVED

OMB NO. 0579-0036 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

# ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

See Attached

include Zip Code)

TRANS OVA GENETICS

2938 380TH ST

SIOUX CENTER, IA

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, lesting, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Sites)

TRANS OVA GENETICS <u>GENETIC ADVANCEMENT CENTER</u>

3483 US HIGHWAY 75

REPORT OF ANIMALS USED BY	P LINDER CONTROL OF	5.0505.00.00.00.00	Н	ILL. IOWA 51239	
A.	TO THE CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if ne	CESSARY OF USE APHIS FORM 7023A.)	
Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	·	OF.	FIGURE		
9. Non-human Primates		0.			
10. Sheep					·
11. Pigs					
12. Other Farm Animals	•				
CATTLE	217	217	52		269
13. Other Animals					203
ASSURANCE STATEMENTS	.•	•			

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, Professionally acceptable standards governing the care, treatment, and use or animors, including approximate use or animors, and or an
- 2). Each principal investigator has considered alternatives to painful procedures.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNÁTURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11-24-99

APHIS FORM 7023 (Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

(AUG OIL

See réverse side lor additional information.

Interagency Report Control 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

42-R-0032

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

**ANNUAL REPORT OF RESEARCH FACILITY** (TYPE OR PRINT)

HUMAN GENE THERAPY RES 1415 WOODLAND AVE STE 218

DES MOINES, IA

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, lesting, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

Animal Care Fac

320

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred,—conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were -conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  O + E)
4. Dogs	3-	_			•
5. Cats	0				+
6. Guinea Pigs	Ð	106			106
7. Hamsters		_			_
8. Rabbits					
9. Non-human Primates					
10. Sheep			·		
11. Pigs					
12. Other Farm Animals					
13. Other Animals					_
•	· ·				

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility. . . .
- 2). Each principal investigator has considered alternatives to painful procedures.

LOFFICIAL

- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolute.)

NOV 29 1833 See reverse side to: additional information

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION 10001 33R 0001

FORM APPROVED

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

P.O. Box 2900

OMB NO. 0579-0036 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code) Illinois Wesleyan University

302 Administration Bloomington, IL 61702-2900

Status: Active

810

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** See Attached Center for Natural Sciences, Minis Wesleyan University

REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	' (Altach adiditional sheets if ne	cessary or use APHIS FORM 7023A)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of ammals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters	12	12			12
8. Rabbits					
9. Non-human Primates				-	
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
·					
ASSURANCE STATEMENTS					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, feaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

r > 1 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
h Va (hVr Va)	(Chief Executive Officer or Legally Responsible Institutional Official)
(b)(6), (b)(7)(c)	I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATUR

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11-23-49

See reverse side for additional information

Interagency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

33R0003

FORM APPROVED OMB NO 0579-0036

HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
 State University

3330 Academic Research Svcs 302 Administration

Normal, IL 61790 Status: Active

NOV 2.9 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

602

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

See Attached

University Farm

Felmley Hall - Annex

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (Cois. C + D + E)
4. Dogs		-			
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	5	6	·		6
9. Non-human Primates					
10. Sheep		140			140
11. Pigs		2000	20		2020
Beef 12. Other Farm Animals		180			180
Dairy		120			120
13. Other Animals					
chickens		30			30
White-footed mice	33				
ASSURANCE STATEMENTS	·				**************************************

### SSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

b)(6) (6) (7) (c)	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)  1 certify that the above is true, correct, and complete (7 USC Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/24/99

See reverse side ide additional information

0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 33-R-0003 FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

# CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

( TYPE OR PRINT)

NOV 2.9 1999

PORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	(Attach adictitional sheets if nec	.035	Number of animals rigan which leaching.	F
Animals Covered By The Animal Welfare Regulations  12 &/OR 13 Other (USI by Species)	B Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain, relieving drugs	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		Number of animals light which teaching, experiments, risearch, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate agreethetic, analysis, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMAL (Cols. C . D + E)
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				+		
				+		
				_	·	-
	·			$\perp$		+

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of anesthetic analysis. and tranquilizing drugs, prior to, disring and following actual research, leaching, lesting, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the specific and number of animals affected.
- 4) The attending veteriorian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of unimal care and use

Contract Con	EADQUARTES RESEARCH FACILITY OFFICIAL ter or Legally Responsible Institutional Official) we is true, correct, and complete (7 U.S.C. Section 2143)	DATE SIGNED
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Prin	DATE SIGNED
	Augustic	Desir.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION MO 33-R-0006 33R 0000

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Children's Memorial Institute

2300 Children's Plaza, MC 104 No. 302 Administration 302 Administration Chicago, IL 60614 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles) See Attached

By The Animal Wellare Regulations	conditioned, or held for use in teaching, testing, experiments, research, or	which leaching, research, experiments, or lests were	Surgery, or lests were	to the second and the property of pain of distress	
	surgery but not yet used for such purposes.	research, experiments, or	leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquitizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS (COIS. C + D + E)
4. Dogs			5		5
5. Cats		,			
6. Guinea Pigs			4		4
7. Hamsters					
8. Rabbits			50		50
9. Non-human Primates			·		
10. Sheep					<del></del>
II. Pigs			1		1
2. Other Farm Animals					
3. Other Animals					
Ferrets			9		9

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, feaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In principal investigator and approved by the institutions come and one committee traction. A summary of all such exceptions is attached to this annual report addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of unimal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional ()fficial)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

Ecertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

11-5-99

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )

(6)(6), (h)7)

(AUG 91)

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

33-R-0010

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and A Head as registered with VISCIP ANNUAL REPORT OF RESEARCH FACILITY Midwestern University (TYPE OR PRINT)

555 31st Street Downers Grove, IL 60515BY: Status: Active

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

**FACILITY LOCATIONS (Siles)** 

SAME AS ABOVE

	B. Number of	C Number of		Cessury or use APHIS FORM 7023A)		
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	ailimals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)	
4. Dogs	3		36		36	
5. Cats	·					
6. Guinea Pigs						
7. Hamsters						
8. Rabbits	2		28		28	
9. Non-human Primates						
10. Sheep			·			
11. Pigs					<del></del>	
12. Other Farm Animals			·			
13. Other Animals					<del></del>	
					· · · · · · · · · · · · · · · · · · ·	
					···	

- 1). Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspirant care and use.

(b)(b)(7)(c)	(Curer Precented Ollie	EADQUARTES RESEARCH FACILITY OFFICIAL cer or Legally Responsible Institutional Official) we is Irus, correct, and complete (7 U.S.C. Section 2143).	(D)(C)
sig.		NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED   0   18/99

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 33-R-0013 33R0013

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

## ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1591

Evanston Northwestern Healthcare Research Institute 2650 Ridge Avenue

Evanston, IL 60201

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these pulposed Abach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** Evanston Hospital, Coon Research Building 2650 Ridge Avenue, Evanston, IL 60201 Center for MR Research 1033 University Place, Suite 150 Glenbrook Hospital 2100 Pfingsten Road, Glenview, IL 60025 Evanston, IL 60201

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompunying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquikzing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL  (Cols. C D + E)
4. Dogs			7		7
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits			43		43
9. Non-human Primates					
10. Sheep					
11. Pigs			2		2
12. Other Farm Animals				:	
13. Other Animals					
Rats			1113		1113
Mice			1652		1652

# Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

•	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
MARKET	(Chief Executive Officer or Legally Responsible Institutional Official)
DQ (D)(7)(c)	I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11-30-99

APHIS FORM 7023 (AUG 91)

pus

SIGNATURE OF CEA OR INSTITUTE

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

1. REGISTRATION NO. 33-R-0014

Status: Active

**FORM APPROVED** OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Codel

Southern Illinois University Laboratory Animal Program

Vivarium, Life Science III, Room 1062 NOV 1 5 1999

Carbondale, IL 62901-6506

2	 •	_	v	100

(TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Site:001 Status:Active - Southern Illinois University Vivarium, LS II, Main Campus, Carbondale, IL 62901-6506

Site:004 Status:Active - Southern Illinois University Vivarium, LS III, Main Campus, Carbondale, IL 62901-6506

Site: 002 Status: Active - Southern Illinois University Wildlife Annex, McLafferty Rd., Carbondale, IL 62901-6506

A	B. Number of	C Number of		cessary or use APHIS FORM 7023A)	·
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats			·		
6. Guinea Pigs	24		48		48
7. Hamsters	18	7	60		67
8. Rabbits	3		14	•	14
9. Non-human Primates		·			
10. Sheep					
11. Pigs					···
12. Other Farm Animals					
13. Other Animals					····
Bobcats			25		25
ASSURANCE STATEMENTS					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of ammal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143) SIGNATURE OF

DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolute )

(b)(b),(b)(7)(

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO 18

33R001

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Gode) University of Illinois at Chicago

Biologic Resources Laboratory 1840 W. Taylor Street, M/C 533 Chicago, IL 60612-7348

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles) See Attached

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of aminals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	ine-procedures producing pain or distress in these animals applied reasons such drugs were not used must be stated of this reported.	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	15	33	211	FY: 0	244
5. Cats	0	0	9	0	9
6. Guinea Pigs	2	891	11	0	902
7. Hamsters	32	28	122	0	150
8. Rabbits	51	538	297	0	835
9. Non-human Primates	71	78	258	0	336
10. Sheep	4	0	30	0	30
11. Pigs	4	19	213	0	232
12. Other Farm Animals					
Calves	0	0	2	0	2
13. Other Animals			-		
Chinchillas	39	0	96	0	96
Gerbils	0	0	105	0	105
Ferrets	0	107	24	0	131

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Ecertify that the above is true, correct, and complete (7 U.S.C. Section 2143) SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

(b)(b),(b)(7)(c)

DATE SIGNED

11/16/99

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 33-R-0018 FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Codel

# CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY ( TYPE OR PRINT)

University of Illinois at Chicago Biologic Resources Laboratory 1840 West Taylor Street M/C 533

Chicago, IL 60612-7348

		5.500	tangen adulting at sheets if you	cossary of use (his form)	
Animals Covered By The Animal Welfare Regulations  12 &/OR 13 Other (UST by Species)	UNDER CONTROL OF  B Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain, relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals, and for which the use of appropriate anesthetic, analysesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the beaching, research, experiments, surgery, or tests. (An explanation of the procedures pranticing pain or distress in these animals and the reasons such drugs were not used must be effected to this roport).	TOTAL NO OF ANIMALS  (COIs. C + D + E)
Thite Footed Mouse	0	4	0	0	4
Prairie Vole	0	4	0	0	4
Squirrels	0	9	00	0	9
Mole Rats	50	0	10	0	10
Bats	0	0	26	0	26
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## SSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic analysis and tranquilizing drugs, prior to, during and following actual research, leaching, lesting, surgery, or experimentation were followed by this research facility
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of an entertion of adequate veterinary care and to oversee the adequacy of other aspects of a contract of the contract of

Chief Bunguisa Offic	EADQUARTES RESEARCH FACILITY OFFICIAL cer or Legally Responsible Institutional Official) ve is true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF C E O OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (T. 100 or Print)	DATE SIGNED
Sidnatone of City State		11/16/99

APHIS FORM 7023A (AUG 91)

(b)(6),(b)(7)(C)

PART I HEADQUARTERS

# 33 R0018

# USDA Annual Report Facility Locations Sites (33-R-0018)

Biologic Resources Laboratory 1840 W. Taylor Street

Science and Engineering South 845 W. Taylor Street

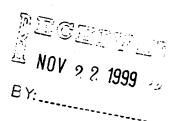
College of Medicine 901 S. Wolcott Street

College of Pharmacy 833 S. Wood Street

Science and Engineering Laboratory 840 W. Taylor Street

Lions of Illinois Eye Research Institute 1905 W. Taylor Street

University of Illinois Hospital Eye and Ear Infirmary 1855 W. Taylor Street



2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO 33R0020

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Code) Rush-Prebyterian-St. Luke's Medica 1653 W. Congress Parkway

1840 W. Taylor Street, M/C 533 Chicago, IL 60612

NOV 29 1999

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Sites)

Comparative Research Center

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL:  (Cols. C + D + E)
4. Dogs	5	2	229	0	231
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	39	0	0	39
7. Hamsters	0	58	0	0	58
8. Rabbits	0	8	349	0	357
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	4	0	81	0	81
12. Other Farm Animals	0	0	0	0	0
13. Other Animals	0	0	0	0	0
	·				

- Prolessionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

7023

aces VS FORM 18-23 (OCT 88), which is obsolete)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these -purposes. \_Att.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

33R0023

FORM AP OMB NO

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registers include Zip Code)
Baxter Healthcare Corporation

Baxter Technology Pk/WG2 Route 120 & Wilson Road Round Lake, IL 60073

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) Status: Active

sheets if necessary.) FACILITY LOCATIONS (Siles) See Attached REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A) B. Number of C Number of Number of animals upon which feaching Number of animals upon animals being animals upon experiments, research, surgery or lests were which experiments, bred. which leaching, **Animals Covered** conducted involving accompanying pain or distress leaching, research, By The Animal conditioned or research. to the animals and for which the use of appropriate surgery, or tests were held for use in **Wellare Regulations** experiments, or anesthetic, analgesic, or tranquilizing drugs would conducted involving teaching, testing, have adversely affected the procedures, results, or interpretation of the leaching, research, lests were accompanying pain or experiments, conducted distress to the animals research, or involving no experiments, surgery, or tests. (An explanation of and for which appropriate surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were purposes. must be attached to this report). relieving drugs. 13 41 3 Dogs Cats 414 6. Guinea Pigs 3 Hamsters 43 704 4 8. Rabbits Non-human Primates 4 5 10. Sheep 2 4 85 11. Pigs 12. Other Farm Animals 13. Other Animals **ASSURANCE STATEMENTS** 

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, pri and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional ()fficial) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OF INSTITUTIONAL DEFICIA

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

**APHIS FORM 7023** 

(Replaces VS FORM 18-23 (OCT 88), which is obsolute )

(b)(6),(b)(7)(c)

(AUG 91)

Three animals utilized in a guinea pig maximization study developed skin lesions, which were treated symptomatically. These studies are required by the FDA for testing under ISO standards 10993-1 and 10993-10. Reactions of this type are seen rarely in our laboratory.

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150.

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

I. REGISTRATION NO. 33-R-0030

FORM APPROVED OMB NO. 0579-0036

**ANNUAL REPORT OF RESEARCH FACILITY** (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) University of Chicago, The

5841 S. Maryland Ave., MC-1030

Chicago, IL 60637 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

Carlson Animal Research Facility/Medical Center

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or transpullizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMAL: (Cols. C + D + E)
4. Dogs	0	0	74	0	74
5. Cats	0	0	5	0	5
6. Guinea Pigs	0	0	51	0	51
7. Hamsters	0	0	43	0	43
8. Rabbits	0	0	308	0	308
9. Non-human Primates	0	0	91	0	91
10. Sheep	0	0	0	0	0
11. Pias	0	0	85 ·	0	85
12. Other Farm Animals	0	0	0	0	0
13. Other Animals			·		
chinchillas	0.	0	142	0	142
ferrets	0	0	8	0	8
			•		

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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6X6)	(6)(7)(c)	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIA (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).
IGNAT		

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO033

33R0033

FORM APPROVED OMB NO: 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Commeon, L.L.C.

Route 50 North 901 S. Mathews Bradley, IL 60915

Status: Active

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See Attached

I. REPORTING FACILITY It is all	l locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these -purpo	
	becamens where allimens were moused or used in actual research, resting, teaching, or experimentation, or neid for these "purpo	oses. Allach additional
sheets if necessary.)		

**FACILITY LOCATIONS (Siles)** 

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach admittional sheets if necessary or use APHIS FORM 7023A.) B. Number of E. Number of animals upon which teaching. C Number of D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments, **Animals Covered** conducted involving accompanying pain or distress which leaching, leaching, research, surgery, or tests were By The Animal conditioned or research, to the animals and for which the use of appropriate TOTAL NO. Wellare Regulations held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would conducted involving OF ANIMALS teaching, testing, tests were have adversely affected the procedures, results, or accompanying pain or experiments. interpretation of the leaching, research, conducted distress to the animals research, or involving no experiments, surgery, or tests. (An explanation of (Cols. C + D + E) and for which appropriate surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or yel used for such use of painanimals and the reasons such drugs were not used tranquilizing drugs were purposes. must be attached to this report). relieving drugs Dogs Cats Guinea Pigs 1192 1192 Hamsters 1038 8. Rabbits 360 1398 Non-human Primates 10. Sheep 11. Pigs Other Farm Animals 13. Other Animals ASSURANCE STATEMENTS

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(Chief Executive Off	IEADQUARTES RESEARCH FACILITY OFFICIAL.
SIGNATURE OF CE O OR INSTITUTIONAL DEFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)  OATE SIGNED  9724/99
API (OCT 88), v	which is obsolete? $(b)(6),(b)(7)(0)$

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

33R0035

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Hektoen Institute for Medical Rese

627 S. Wood Street

(b)(b), (b)(7)(c)

Chicago, IL 60612 Status: Active

NOV 2.9 1999

(TYPE OR PRINT) #579

ANNUAL REPORT OF RESEARCH FACILITY

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional.... sheets if necessary)

FACILITY LOCATIONS (Siles) See Attached Hoktuen Bldg-

[					
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-retieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F. TOTAL NO OF ANIMALS  (COIS. C + D + E)
4. Dogs	0	NA	0	NIA	0
5. Cats	,	NIA		N/A	
6. Guinea Pigs		NIA	•	NIA	
7. Hamsters		NA		1/4	
8. Rabbits	0	NIA	· 0	N/A	0
9. Non-human Primates		N/A		N/A	
10. Sheep		V/A		N/A	
11. Pigs		N/A		N/A	
12. Other Farm Animals		1		N/A	
GOAT	0	N/A	4	10/14	4
13. Other Animals				N/A	-
RaT	180	NIA	237	N/W	417
Mice	51	N/A	18	NIA	69
		·	·	<b>V</b>	
ASSURANCE STATEMENTS					

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- 2). Each principal investigator has considered alternatives to painful procedures.

L OFFICIAL

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	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIA
	The state of the s
MAMAN	(Chief Executive Officer or Legally Responsible Institutional ()fficial)
Da (Da)(2)	I certify that the above is true, correct, and complete (7 U.S.C. Sortion 2143)

DATE SIGNED

APHIS FORM 7023 (AUG 91)

SIGNATURE O

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

See reverse side for additional information. Interagency Report Control No 0180-DOA-AM

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA nclude Zip Code) Northwestern University

Searle Bldg., Room 15-582 320 E. Superior Street

Chicago, IL 60611 Status: Active

DEC 0 1 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** See Attached

CHICATO CAMPUS EVANSTIN CAMPUS

A	B. Number of animals being	C Number of animals upon	D. Number of animals upon	E. Number of animals upon which teaching, experiments, research, surgery or tests were	F.
Animals Covered By The Animal Welfare Regulations	bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS (Cois. C + D + E)
4. Dogs		0	135	0	135
5. Cats		0	199	0	199
6. Guinea Pigs		0	468	0	468
7. Hamsters		48	1570	0	1618
8. Rabbits		0	178	0	178
9. Non-human Primates		0	89	0	89
10. Sheep					
11. Pigs		0	178	0	178
12. Other Farm Animals				·	
13. Other Animals					1
Chinchillas		0	56	0	56
Opposum		0	10	0	10
Ferrets		0	22	0	22

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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

additional information

0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE I. REGISTRATION NO. 33R0040

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Codel

# CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY ( TYPE OR PRINT)

REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	(Attach adictitional sheets if nec	essary or use this form t	
A Attimals Covered By The Animal Welfare Regulations	B Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain, relieving drugs	D Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accumpanying pain or distress to the animals and for which the use of appropriate anisthetic, analysis, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be effected to this report).	F TOTAL NO OF ANIMAL; (COIS. C + D + E)
(List by species)		0	414	0	414
Gerbils					
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### ASSURANCE STATEMENTS

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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of unimal care and use

numal case and use	
(D/D (D/D)(C)	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)  Legrify that the above is true, correct, and complete (7 U.S.C. Section 2143)
LB # IA L LB IC / II C J	The second secon

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. CRINSTITUTIONAL OFFICIAL (T. De (M. PHILI)

DATE SIGNED 11/30

PART! HEADQUARTERS

APHIS FORM 7023A (AUG 91)

(b)(6),(b)(7)(c)

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NOS1

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) University of IL at Springfield

P.O. Box 19243

320 C. Superior Otrect

Springfield, IL 62794-9243

NOV 1 8 1999

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** See Attached Health Sciences Building REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.)

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	ALS
4. Dogs		` ,			
5. Cats	,				
6. Guinea Pigs					
7. Hamsters	406	1234	3 ,	1237	
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs	7				
12. Other Farm Animals		,			
13. Other Animals					
-					

### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the nils facility is adhering to the standards and requestions and requestions to the standards and requisitions as specified and expansion by the principal investigator and approved by the institutional Aninal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annnal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL  (Chief Executive Officer or Legally Responsible Institutional Official)  1 certify that the above is true, correct, and complete (7 USC Section 2143)						
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	11/10/99				

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.062 33R.00@

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Western Illinois University

One University Circle -3<del>20 E. Superior Street -</del>

Macomb, IL 61455

Status: Active

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)

Waggoner Hall -- Western Illinois University

One University Circle

Sec Attached -

Macomb, IL 61455

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.)					
A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (COIS. C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	. 0	0	0	0	0
8. Rabbits	0	0	0	0	0
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0 -	0	0 ·	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals	. 0	0	0	0	0
ASSURANCE STATEMENTS					

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of anunal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional ()fficial)

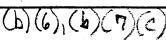
I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE DE C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O., OR INSTITUTIONAL OFFICIAL (Type or Print)

**APHIS FORM 7023** (AUG 91)

ORM 18-23 (OCT 88), which is obsolete)



See reverse side for additional information.

Interagency Rep

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NOOS ¥510 33R 0068 RESEARCH FACILITY (Name and Address, as registered with USDA

FORM APPROVED OMB NO. 0579-0036

## ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

surgery but not

yet used for such

FOR PERIOD OF 10/1/98 - 9/30/99

include Zip Code Southern Illinois University Office of Research & Projects

Campus Box 1046

Edwardsville, IL 62026-1046

animals and the reasons such drugs were not used

must be attached to this reports.

. Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual resourch, testing, teaching, or experimentation, or held for these pu	irpuses.	Attach additional
sheets it necessary.)		

FACILITY LOCATIONS (SHOE) School of Dental Medicine, 2800 College Ave., Alton, IL 62002-4798 REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY JANUCH administrators if necessary or use APHIS FORM 7023A.) E. Number of animals upon which teaching Number of C Number of F. D. Neurber of animals upon experiments, research, surgery or tests were animals being mirrals, moon which experiments. conducted involving accompanying pain or distress which leaching, Animals Covered brind, teaching, research, to the animals and for which the use of appropriate ON JATOT conditioned o research, SULDARY OF THESE WORK By The Animal mesthetic, analogsic, or tranquibling drugs would OF ANIMALS experiments, or Wellare Regulations held for use in conducted invulving have adversely affected the procedures, results, or teaching, lesting, lesis were accompanying pain or distress to the animals interpretation of the teaching, research. experiments. conducted experiments, surgery, or lests. (An explanation of the procedures producing pain or distress in these (Cois. C + D + E) involving na research, or and for which appropriate

unesthetic, analgesic, or

tranquilizing drugs were

pain, distress, or

use of pain-

0

	purposes.	relieving drugs.	used.	11/034 DO SILSE//OC TO THIS PEPERO	
4. Dogs			•		
5. Cats	·		•		
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	·				
9. Non-human Primates					
10. Sheep					
11 Pigs					
12 Other Farm Animals			·		

ASSURANCE STATEMENTS

13. Other Animals

Rats

Professionally acceptable standards governing the cire, treatment, and use of animals, including approvale use of anesthetic analgesic, and tranquitizing drugs, prior to, during, and following actual research, teaching, texting, singlery, or experimentation were followed by this research facility.

137

2) Each principal investigator has considered alternatives to painful procedures.

0

- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee HACUC). A summary of all such exceptions is attached to this annual report addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has oppropriate authority to assure this provision of adequate veterinary care and to oversee the adequacy of other aspects of unimal care and use.

(b)(b) (b)(7)(c) CKY	Chief Executive Officer	DQUARTES RESEARCH FACILITY () PFICIAL or Legalty Responsible Institutional Official) true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF CE O UP INSTRUMENTAL OFF	vcial.	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)	DATE SIGNED
			11/18/94

PHONE NO.: 618 692 3523

(AUG 91)

APHIS FORM 7023 (Replaces VS FORM 18-23 (OCT 88), which is obsolete )

(b)(b)(7)(c)

137

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

See Attached

1. REGISTRATION 19068 33R 0068

FORM APPROVED OMB NO. 0579-0036

HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Gode) Southern Illinois University

Office of Research & Projects

Campus Box 1046

Edwardsville, IL 62026-1046

Status: Active

EPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional reets if necessary.)

FACILITY LOCATIONS (Siles)

				Í				
ORT OF ANIMALS USED BY OF	UNDER CONTROL OF	RESEARCH FACILITY	(Attach adic	litional sheets il ne	cess	ary or use APHIS FORM 7023A)		
Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	which e teaching surgery, conduct accomp distress and for anesthe	r of animals upon xperiments, g, research, , or tests were ted involving sanying pain or to the animals which appropriate tlic, analgesic, or lizing drugs were	E.	Number of animals upon which feach experiments, research, surgery or let conducted involving accompanying to the animals and for which the use anesthetic, analgesic, or tranquilizinhave adversely affected the procedu interpretation of the teaching, reseau experiments, surgery, or tests. (An eithe procedures producing pain or dianimals and the reasons such drugs must be attached to this report).	sts were pain or distress of appropriate graph drugs would res, results, or rich, explanation of istress in these	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
Dogs	3					· · · · · · · · · · · · · · · · · · ·		
Cats								
Guinea Pigs								
Hamsters								
Rabbits								
Non-human Primates								
Sheep					L			
Pigs								
Other Farm Animals	1		·					
Other Animals								,
RATS	5	. 0	15	5.3		0		153
mice (AKR/J)	155	68		0	_	. 0		68
nice (outbred)	0	1032		0		0		1032
JRANCE STATEMENTS							,	

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic; analysis and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

Each principal investigator has considered alternatives to painful procedures.

This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations. Despecified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(Chief Executive Officer or	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) a, correct, and complete (7 USC Section 2143)	
ATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	1//15/99

(b)(6)(7)(c)

IIS FORM 7023 (Replaces VS FORM 18-23 (OCT 88), which is obsolete ) (AUG 91)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

FORM APPROVED

33R0068 OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Codel

# CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

ACHINALS USED BY OF A ACHINALS COVERED BY The Animal Welfare Regulations  12 &/OR 13 Other (Ust by species)	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, restarch, experiments, or tests were conducted involving no pain, distress, or use of pain, relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analysisc, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accumpanying pain or distress to the animals and for which the use of appropriate anesthetic, analysisic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	TOTAL NO OF ANIMALS  (Cols. C * O * E)
FROGS	0	40	0	0	40
11 frags (RAMA catesbira)	15	45	0	0	45
cet frags (Acris crepitans)	0	10	0	0	10
nailmouth salamanders	0	5	0	0	5
mbystomi texanum)			0	0	100
<u>Guppiës</u> Decilia reticulata)	100	/00			
Mosquito Fish	30	25	0	0	25
(Gambusia Affinis)		70	25		55
Bully Il Sanfish (Leponis macrochris)		30	43		

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic analysis and tranquilizing drugs, prior to, during Professionally acceptable standards governing the care, treatment, and use of animals, including approximately and following acceptable standards governing the care, treatment and use of animals, including approximately and following acceptable standards governing the care, treatment and use of animals, including approximately and following acceptable standards governing the care, treatment, and use of animals, including approximately and following acceptable standards governing the care, treatment, and use of animals, including approximately and following acceptable standards governing the care, treatment, and use of animals, including approximately and following acceptable standards governing the care, treatment, and use of animals, including approximately and following acceptable standards governing the care, treatment and other processing acceptable standards governing the care, treatment and following acceptable standards governing the care, treatment and following acceptable standards governing the care, treatment and following acceptable standards governing the care of the c
- 2) Each principal investigator has considered atternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations the specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report in addition to identifying the IACUC approved exceptions, this summary includes a time explanation of the exceptions, is well as the specified addition to identifying the IACUC approved exceptions, this summary includes a time explanation of the exceptions, is well as the specified in the exceptions.
- 4) The attending votermanum for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects . ? unimal care and use

Chief Executive Offi	LEADQUARTES RESEARCH FACILITY OFFICIAL icer or Legally Responsible Institutional Official) ove is true, correct, and complete (7 U.S.C. Section 2143)	DATE SIGNED
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & FITLE OF C E O. OR INSTITUTIONAL OFFICIAL (True or Print)	11/18/99
APHIS FORM 7023A	(b)(b), (b)(7)(C) PART I HE	ADQUARTERS

APHIS FORM 7023A (AUG 91)

See reverse side for additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRAJION NOOTS 33ROOTS

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Northeastern Illinois University

Office of the Provost 5500 N. St. Louis Avenue Chicago, IL 60625 Status: Active

NOV 18 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

518

FACILITY LOCATIONS (Siles) REPORT OF ANIMALS USED BY ON UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM 7023A.) Number of Number of animals upon which teaching, C Number of D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments, bred. conducted involving accompanying pain or distress **Animals Covered** which leaching, leaching, research, surgery, or lests were conditioned, or to the animals and for which the use of appropriate By The Animal research, TOTAL NO. Welfare Regulations held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would conducted involving OF ANIMALS teaching, testing, tests were have adversely affected the procedures, results, or accompanying pain or experiments, interpretation of the teaching, research, conducted distress to the animals involving no research, or experiments, surgery, or tests. (An explanation of (Cols. C + D + E) and for which appropriate surgery but not the procedures producing pain or distress in these pain, distress, or anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were purposes. relieving drugs. must be attached to this report). used Dogs Cats Guinea Pigs 7. Hamsters 8. Rabbits Non-human Primates Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals ASSURANCE STATEMENTS

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(Chief Executive Officer o	QUARTES RESEARCH FACILITY OFFICIAL r Legally Responsible Institutional Official) rue, correct, and complete (7 USC Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
		11/9/99
10110 50011 5001		

See reverse side for additional information

Interagency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

33 R-0088

2. HEADDUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

# ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Wheaton College 501 E. College Avenue Wheaton, IL 60187

HOV 2 9 1999

572

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Biology Department, Armerding Hall

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					·
6. Guinea Pigs			·		
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					·
12. Other Farm Animals			>		
13. Other Animals					
Golden Mantle Ground Squirrels		3			3
Ground Squiffers					
ASSURANCE STATEMENTS					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
MARK ZINELNEL	(Chief Executive Officer or Legally Responsible Institutional Official)
W/6 (1)/7/12	I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

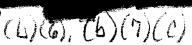
SIGNATURE OF OR INSTITUTIONAL OFFICIAL

NAME A JETUS OF G.O. OR INSTITUTIONAL OFFICIAL ITYDE OF POINT

DATE SIGNED

1/17/99

APHIS FORM 707 (Replaces VS FORM 18-23 (OCT 88), which is obsolute)
(AUG 91)



See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

33R0094

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

564

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Pharmichem Testing Services, Inc.

17501 W. Duvan Drive

5500 N. St. Louis Avenue Tinley Park, IL 60477 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

See Attached (Above)

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	0		8		0.
5. Cats	1		23		23
6. Guinea Pigs	· 2	90			90
7. Hamsters	0				0
8. Rabbits	24	257	24		281
9. Non-human Primates	0				0
10. Sheep	0				0
11. Pigs	0				0
12. Other Farm Animals	0				0
13. Other Animals					
	·				

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

(Chief Executive Officer	DQUARTES RESEARCH FACILITY OFFICIAL CD(G) (D) (7) (C) or Legally Responsible Institutional Official) CC (1)	- Indiana
SIGNÁŤURÉ ÔF C.E.Ó. OR INSTITUTIONAL OFFICIAL	NAME & JULI E OF C. F.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	ED
	10/5/99	j

APHIS FORM 7023 (AUG 91)

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 33 R 0097

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code)
Carle Foundation, The

611 W. Park Street 5500 N. St. Louis Avenue

Urbana, IL 61801 Status: Active

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

sheets if necessary.)

FACILITY LOCATIONS (Siles) See Attached REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adultional sheets if necessary or use APHIS FORM 7023A.) B. Number of Number of animals upon which teaching, C. Number of D. Number of annuals upon animals being experiments, research, surgery or tests were animals upon which experiments, Animals Covered bred. which leaching, conducted involving accompanying pain or distress leaching, research, conditioned, or to the animals and for which the use of appropriate By The Animal research. TOTAL NO. surgery, or tests were conducted involving Wellare Regulations held for use in anesthetic, analgesic, or tranquilizing drugs would experiments, or OF ANIMALS teaching, testing, experiments, lesis were have adversely affected the procedures, results, or interpretation of the teaching, research, accompanying pain or conducted distress to the animals research, or experiments, surgery, or tests. (An explanation of on pnivlovni (Cols. C + D + E) and for which appropriate surgery but not yet used for such the procedures producing pain or distress in these animals and the reasons such drugs were not used pain, distress, or anesthetic, analgesic, or use of paintranquilizing drugs were purposes. must be attached to this report). relieving drugs. 4. Dogs Cats Guinea Pigs Hamsters 8. Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals Black Bears 14 ASSURANCE STATEMENTS

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (b)(c)(7)(c)
(Chief Executive Officer or Legally Responsible Institutional Official)
I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG-91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )

(b)(a)(b)(r)(c)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO 100

3R0100

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Parkland College

2400 W. Bradley Avenue 5500 N. St. Louis Avenue Champaign, IL 61821

Status: Active

571

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

See Attached

L-160a, L-160b, L-160c, L-160d, L-227, L-154

			f (Altach adiditional sheets if ne	cessury or use APHIS FORM 7023A.)	·
Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS (Cols. C + D + E)
4. Dogs	0	0	8	0	8
5. Cats	0	0	12	0	12
6. Guinea Pigs	0	0	8	0	8
7. Hamsters	0	0	8	0	38
8. Rabbits	0	0	6	0	6
9. Non-human Primates	88	0	0	0	_0
10. Sheep	0	00	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals					
mice	0	0	36	0	36
rats	0	0	8	0	8
ASSURANCE STATEMENTS					

### SSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (1) (Chief Executive Officer or Legally Responsible Institutional Official)

(Chief Executive Officer or Legally Responsible Institutional Official)

(Chief Executive Officer or Legally Responsible Institutional Official)

(CC)

SIGNA

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

9/17/99

APHIS FORM 7023 — (Pepiaces VS FORM 18-23 (OCT 88), which is obsolete.)
(AUG 91)

(b)(b), (b)(h)(c)

See reverse side to: additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

See Attached

1. REGISTRATION NO. 33R0103

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code) Kennelwood, Inc.

1913 N. Staley Road 5500 N. St. Louis Avenue

Champaign, IL 61821

Status: Active

当り出出世上

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

FACILITY LOCATIONS (Sites)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach activitional sheets if necessary or use APHIS FORM 7023A) B. Number of C Number of D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments. **Animals Covered** bred. which leaching, conducted involving accompanying pain or distress leaching, research, to the animals and for which the use of appropriate conditioned, or By The Animal research. surgery, or tests were TOTAL NO. held for use in Welfare Regulations experiments, or anesthetic, analgesic, or tranquilizing drugs would conducted involving OF ANIMALS teaching, testing, lesis were have adversely affected the procedures, results, or accompanying pain or experiments, conducted interpretation of the teaching, research distress to the animals research, or experiments, surgery, or tests. (An explanation of involving no and for which appropriate (Cols. C + D + E) surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or yet used for such use of painanimals and the reasons such drugs were not used tranquilizing drugs were purposes. must be attached to this report). relieving drugs. used. Dogs NA NΑ 170 170 141 141 Cats Guinea Pigs Hamsters Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals **ASSURANCE STATEMENTS** 

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

(Chief Executive Officer or	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) m. correct, and complete (7 USC Section 2143)	(7)(C)
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED

See reverse side for additional information.

Interagency Report Control No. 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 33-R-0104

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) University of Illinois at Chicago College of Medicine at Rockford 1601 Parkview Avenue

Rockford, IL 61107-1897

NOV 0 8 1999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary) University of Illinois, College of Medicine at Rockford

FACILITY LOCATIONS (Sites) (as above)

A	B. Number of animals being	C Number of animals upon	D. Number of animals upon which experiments.	E. Number of animals upon which teaching, experiments, research, surgery or tests were	F.
Animals Covered By The Animal Welfare Regulations	bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs		0			0
5. Cats		0			0
6. Guinea Pigs		0			0
7. Hamsters		0			0
8. Rabbits		6			6
9. Non-human Primates		0			0
10. Sheep		0			0
11. Piqs		0			0
12. Other Farm Animals		0	· · · · · · · · · · · · · · · · · · ·		0
13. Other Animals		0	,		0
			·		
		·			,

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(Chief Executive Officer or Legally Responsible Institutional Official)  I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).
---

SIGNATURE OF C.E.OCOR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

University of Illinois College of Medicine at Rockford

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

DATESIGNED

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

See Attached

1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Godel UI-College of Medicine at Peoria

P. O. Box 1649

5500 N. St. Louis Avenue

Peoria, IL 61656

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.) Number of Number of animals upon which teaching, C Number of D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments. which leaching, Animals Covered bred. conducted involving accompanying pain or distress leaching, research, conditioned, or to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would By The Animal research. surgery, or lesis were TOTAL NO held for use in Wellare Regulations experiments, or conducted involving OF ANIMALS teaching, testing, lesis were have adversely affected the procedures, results, or accompanying pain or experiments, interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of conducted distress to the animals research, or involving no and for which appropriate (Cols. C + D + E) the procedures producing pain or distress in these surgery but not pain, distress, or anesthetic, analgesic, or yet used for such use of painanimals and the reasons such drugs were not used tranquilizing drugs were purposes. must be attached to this report). relieving drugs 4. Dogs 14 Cats 28 **Guinea Pigs** 35 7. Hamsters 9 8. Rabbits 6 17 Non-human Primates 10. Sheep 7 15 15 11. Pigs 12. Other Farm Animals 4 <u>Calves</u> 13. Other Animals ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use

	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
MALIANANAN	(Chief Executive Officer or Legally Responsible Institutional ()fficial)

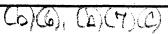
thly that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

SIGNATURE OF C.E.O. OR INST

NAME & TITLE OF C E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

APHIS FORM 7023 (Replaces VS FORM 18-23 (OCT 88), which is obsolute ) (AUG 91)



See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO 13 33R0113 FORM APPROVED OMB NO 0579-003

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA unclude Zip \$800thern Illinois University

P. O. Box 9620

5500 N. St. Louis Avenue (see attached 11/13/98 Springfield, IL 62794-9620 letter)

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** See Attached

801 N. Rutledge, Springfield, IL

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted invulving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats	3				,
6. Guinea Pigs			17	-	17
7. Hamsters					
8. Rabbits	1			1999	
9. Non-human Primates				NOV 2 9 1993	
10. Sheep					
11. Pigs			74	81	74
12. Other Farm Animals				,	
13. Other Animals			,		
Chinchillas	18		30		30
Gerbils			20		20

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use

		CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
7:1	12/11	(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

11/16/99

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 33-R-0120 33R0120

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

OCT | 3 1999

include Zip Code)
Bioproducts, Inc.

1048 S. Hieland Road 5500 N. St. Louis Avenue

St. Anne, IL 60964 Status: Active

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA Not part of Earraddress.

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

		FAC	CILITY LOCATIONS (Siles)			
1048 Sou	4h Hiela	nd Road			·	
St. Anne	、私(	0964				
REPORT OF ANIMALS USED BY OR	UNDER CONTROL O	F RESEARCH FACILITY	' (Altach adidilional sheets il ne	ces	sary or use APHIS FORM 7023A)	
A. Animals Covered By The Animal	B. Number of animals being bred, conditioned, or	C Number of animals upon which leaching, research	D. Number of animals upon which experiments, teaching, research,	E.	Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate	F.

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	0	158	0	O	
5. Cats	0	165	0	0	
6. Guinea Pigs	NA				
7. Hamsters	NA				
8. Rabbits	NA				
9. Non-human Primates	NA	·			
10. Sheep	NA				
11. Pigs	NA				
12. Other Farm Animals	NA				
13. Other Animals	WA				
	·				•

## **ASSURANCE STATEMENTS**

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

anunal care and use.		,
(Chief Executive Officer or I certify that the above is true	UARTES RESEARCH FACILITY OFFICIAL (6)(6)(6) Legally Responsible Institutional Official) t, correct, and complete (7 USC Section 2143).	(7)(C)
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
		9/20/99

APHIS FORM (AUG 9# ORM 18-23 (OCT 88), which is obsolete)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO 23 33RO123

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Grae) W.M. Scholl College of Podiatr

1001 North Dearborn

P. O. Box 221 Chicago, IL 60610 Status: Cancelled

1708

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

W.M. Scholl College of Podiatric 1001 N. Dearborn Chicago IL.

FACILITY LOCATIONS (Sites)

Animal lab - 4th floor REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.) B. Number of E. Number of animals upon which teaching, C Number of D. Number of animals upon animals being animals upon which experiments, experiments, research, surgery or tests were **Animals Covered** which leaching, conducted involving accompanying pain or distress bred. leaching, research, By The Animal conditioned, or to the animals and for which the use of appropriate research. surgery, or lesis were TOTAL NO Welfare Regulations held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would conducted involving OF ANIMALS teaching, testing, lesis were have adversely affected the procedures, results, or accompanying pain or experiments, conducted interpretation of the teaching, research, distress to the animals research, or invalving no experiments, surgery, or tests. (An explanation of (Cols. C + D + E) and for which appropriate surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or yet used for such use of painanimals and the reasons such drugs were not used Iranquilizing drugs were purposes. relieving drugs. must be attached to this report). Dogs Cats **Guinea Pigs** Hamsters Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL.

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 USC Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

29/30/99

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 33R0124

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

## ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

See Attached

include Zip Codel National College of Chiro 200 E Roosevelt Road P. O. Box 221 Lombard , IL 60148

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheels if necessary.) Biological Resource Laboratory, NCC Clinic Building

FACILITY LOCATIONS (Siles)

College Clinic Building

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs				8 ,	
7. Hamsters					
8. Rabbits				3	
9. Non-human Primates	,			8 /	,
10. Sheep	·		,		
11. Pigs				(\$\tilde{\psi}\)	
12. Other Farm Animals					
13. Other Animals			•		
Rats (rattus)	24	108	84		192
Mice	0	100			100

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

National College of Chiropractic

(AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

See reverse side los additional information. Interagency Report Control N 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

48-R-0001

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Codel

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

KANSAS STATE UNIVERSITY 103 FAIRCHILD HALL FOUNDERS HALL

MANHATTAN, KS 66506-1103

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional FACILITY LOCATIONS (STEEL

				mons (siles)	•
Ackert Hall	Call	Hall		Hill Dog Facility	
Bluemont Hall	See Attached Justi	n Hall		Hill Greyhound Complex	·
Burt Hall	Web	er Hall		Veterinary Clinical Sciences Building	
Bushnell Hall		nal Resource Facili		Veterinary Medical Sciences Building	
REPORT OF ANIMALS	ISED BY OR UNDER CONTRO	L OF RESEARCH FACILIT	Y (Attach adio	lilinnal sheets if necessary or use APHIS FORM 7023A.)	
A	B. Number of	G Number of	T .		

A.	R UNDER CONTROL OF		(Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A)	
Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred,— conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	35	• • • • 92	. 205	0	297
5. Cats	10	177	90	. 0	267
6. Guinea Pigs	0	0	3	0	3
7. Hamsters	21	266	40	0	306
8. Rabbits	0	9	78	0	87
9. Non-human Primates	0	0	0	0 .	0
10. Sheep	0	10	5	0	15
11. Pigs	0	5810	94	0	5904
12. Other Farm Animals	·				
Cattle	2	3297	56	0	3353
13. Other Animals					
Gerbils	10	0	112	. 0	112
Wild Rodents	0	122	0	0	122
Slender Glass Lizard ASSURANCE STATEMENTS	7	0	0	0 .	0

<sup>1).</sup> Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O., OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

<sup>2).</sup> Each principal investigator has considered alternatives to painful procedures.

<sup>3).</sup> This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

<sup>.4).</sup> The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 48-R-0001

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Kansas State University 103 Fairchild Hall Manhattan, KS 66506-1103

# CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

A. Animals Covered By The Animal Welfare Regulations . 12. &/OR 13. Other	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments; research, or surgery but not yet used for such	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to, the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used	TOTAL NO. OF ANIMALS  (Cols. C +. D + E)
(List by species) 12. Horse	purposes.	relieving drugs.	used. 36	must be attached to this report).	140
Goats	0	5	20	0	25
Bison	200	0	0	0	0
Chickens	0	7	0	0	7
13. Bull Snake	0	2	0	0	2
Coyotes	0	7	6	0	13
Deer Mouse	0.	307	0	0	307
White Footed Mouse	0	181	0	0	181
Western Harvest Mouse	0	107	, 0	0	107
Prairie Vole	0	48	0	0	. 48
Elliot's Short-Tailed Shrew	0	37	. 0	0	37
Hispid Cotton Rat	0	4	0	0	4
Skunks	0	0	1	0	1
Least Shrew	0	2	0	0	2
Hispid Pocket Mouse	0	1 .	0	0	1
Red Fox	0	0	1	0	1
Bobcats	0	6	1	0	7
Raccoons	0	7	67	0	74
Opossums	0	10	55	0	65

<sup>1).</sup> Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

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DATE SIGNED

APHIS FORM 7023A

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

Chien Collegian

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

PART 1 - HEADQUARTERS

<sup>2).</sup> Each principal investigator has considered alternatives to painful procedures.

<sup>3).</sup> This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

<sup>4).</sup> The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

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UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 48-R-0001

FORM APPROVED OMB NO. 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT
OF RESEARCH FACILITY
( TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

Kansas State University

Kansas State University 103 Fairchild Hall Manhattan, KS 66506-1103

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use this form.)							
Animals Covered By The Animal Welfare Regulations  12. &/OR 13. Other (List by species)	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which superiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMAL: (Cols. C + D + E)		
13. Turtle	0	1	0	0	1		
Lizards	0	25	. 0	0	. 25		
Snakes	0	42	0	0	42		
Thirteen-Lined Ground Squirrel	0	3	0	0	3		
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- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.

ASSURANCE STATEMENTS

- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL  (Chief Executive Officer or Legally Responsible Institutional Official)  (Chief Executive Officer or Legally Responsible Institutional Official)  (Chief Executive Officer or Legally Responsible Institutional Official)  (Chief Executive Officer or Legally Responsible Institutional Official)									
SIGNATURE OF C.E.O.OR INSTITUTIONAL	OFFICIAL	NAME LITTLE OF CEO. OR INSTITUTIONAL OFFICIAL (Type	or Print)	DATE SIGNED					
APHIS FORM 7023A		(h)(a)(h)(h)(h)	DADT 4 _ HEA	POLIARTERS					

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE -ANIMAL AND PLANT HEALTH INSPECTION SERVICE -

48-R-0002

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

UNIVERSITY OF KANSAS ANIMAL CARE UNIT BOS4 MALOTT HALL LAWRENCE, KS 66045

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

À

Haworth Hall See Attached **3** 

Smissman Lab

Malott Hall

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred,—conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cois. C +  D + E)
4. Dogs		36			36
5. Cats		30			30
6. Guinea Pigs			1		
7. Hamsters					
8. Rabbits		67	79		146
9. Non-human Primates			·		
10. Sheep					
11. Pigs		-			
12. Other Farm Animals	·				
13. Other Animals					
					·

## ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. If addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

1 certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/29/99

APHIS TEMM Y023

(Replaces VS FORM 18-23 (OCT 88) which is phenium)

2 Marcha

Interagency Report Control No. 0180-DOA-AN

 1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

7,5

CONTINUATION SHEET FOR ANNUAL REPORT
OF RESEARCH FACILITY
(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use this form.)

A.  Animals Covered By The Animal Welfare Regulations  12. &/OR 13. Other (List by species)	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquillizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
Marmots	V-		10			10
Woodchucks	:		5			5
Snake	•	80	·			80
Lizards		1	>		•	1
Turtles			64			64
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## ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

(L)(6),(b)(7)(C)

PART 1 - HEADQUARTERS

Interagency Report Control No 0180-DOA-AN -

UNITED STATES DEPARTMENT OF AGRICULTURE . ANIMAL AND PLANT HEALTH INSPECTION SERVICE

48-R-0003

FORM APPROVED OMB NO. 0579-0036

NOV 15 ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Research Support Facility

2. HEADOUARTERS RESEARCH FACILITY IName and Address, as registered with USDA include Zip Code)

UNIVERSITY OF KS MED CTR

3901 RAINBOW BLVD **BO54 MALOTT HALL** 

KANSAS CITY, KS 66160-7185

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles) Retardation Res

#3900 Olathe

2010 W. 39th Street See Attached

Kansas City KS 66160 Kansas City KS 66160

A.  Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were -conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS (Cois. C + D + E)
4. Dogs		36	3		39
5. Cats	!		30		30
6. Guinea Pigs			102		102
7. Hamsters			210		210
8. Rabbits		20	120		140
9. Non-human Primates			127		127
10. Sheep		0	0		0
11. Pigs	·	-	44		44
12. Other Farm Animals					
Chicks			400		400
13. Other Animals				:	
Gerbils			132		132
					1.

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This lacility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of , animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

DATE SIGNED

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 48-R-0014

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Wichita State University 1845 Fairmount Box #26 17745 S. Metcalf Ave. Wichita, KS 67260-0026

ÛEC	10	1000
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3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

Same as Item #2 REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach administrate) in necessary or use APHIS FORM 7023A. B. Number of E. Number of animals upon which teaching. C Number of D. Number of animals upon F animals being experiments, research, surgery or tests were animals upon which experiments, **Animals Covered** bred. which leaching, conducted involving accompanying pain or distress leaching, research, conditioned, or to the animals and for which the use of appropriate By The Animal research. surgery, or lesis were TOTAL NO. Wellare Regulations held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would conducted involving OF ANIMALS teaching, testing, tests were have adversely affected the procedures, results, or accompanying pain or experiments. interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of conducted distress to the animals research, or involving no and for which appropriate (Cols. C + surgery but not pain, distress, or the procedures producing pain or distress in these D + E) anesthetic, analgesic, or vet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. Dogs Cats Guinea Pigs 40 114 114 Hamsters Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals 120 178 -178 Mice 27 146 Rats 146 ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
IND AVENUE	(Chief Executive Officer or Legally Responsible Institutional Official)
6(6). (b) (7)(c)	I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF CEO. OR HISTITUTIONAL OFFICIAL

NAME & TITLE OF CEA OR THE HONAL OFFICIAL (Type or Print)

DATE SIGNED

12/6/99

Wichita State University

ORM 7023

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

48-R-0015

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) ANNUAL REPORT OF RESEARCH FACILITY EMPORIA STATE UNIVERSITY

RESEARCH & GRANTS CENTER 1200 COMMERCIAL BOX 4048

(TYPE OR PRINT) EMPORIA, KS 66801-5087

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Sites)

Breukelman Science Building See Attached

Visser Hall

REPORT OF ANIMALS USED BY O	B. Number of .	C Number of			
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, . leaching, research, surgery, or lests were reconducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would-have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
1. Dogs				·	
5. Cats					
6. Guinea Pigs			i.		
7. Hamsters			·		
B. Rabbits		2			2
9. Non-human Primates					
10. Sheep					
11. Piqs					<u> </u>
12. Other Farm Animals		•.		,	
13. Other Animals					
Deer mouse	12	12	<u></u>		12
Cotton rat	12	12			12
Norway rat	80	271			271

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

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(/)	•
X /	2

3 Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE -ANIMAL AND PLANT HEALTH INSPECTION SERVICE -

48-R-0018

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

PITTSBURG STATE UNIV

1701 S BROADWAY

1200 COMMERCIAL BOX 4048 Shouldn't be in additile pliale scould. PITTSBURG, KS 66762

. .

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

Biology Department

300

Heckert-Wells Hall Room 205 See Attached

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	O. Number of animals upon which experiments, teaching, research, surgery, or tests were econducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs			`		
7. Hamsters					
8. Rabbits		8			8
9. Non-human Primates					
10. Sheep			·		
11. Pigs					
12. Other Farm Animals					
				·	
13. Other Animals				:	

- 1). Prolessionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the rins received to the standards and regulations where the not, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

HAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)

DATE SIGNED

11/29/99

APHIS FORM 7023

' /Renlaces VC FORM 18-27 /O

NOV 40 055 Interagency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

48-R-0025

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

91.0

COLBY COMMUNITY COLLEGE

1255 S RANGE

1200 COMMERCIAL BOX 4048

COLBY, KS 67701

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, lesting, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

## FACILITY LOCATIONS (Siles)

Agricultural/Veterinary Technology Building

*y* 3000

See Attached

Main Campus

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which leaching, experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs			28		28
5. Cats			18		18
6. Guinea Pigs		1	· ·		1
7. Hamsters			•		
8. Rabbits		1			1
9. Non-human Primates					
10. Sheep		10			10
11. Pigs	٠	15			15
Horses 12. Other Farm Animals		6		•	6
Cattle		8		,	8
13. Other Animals					
		-		· · · · · · · · · · · · · · · · · · ·	
				·	
ASSURANCE STATEMENTS .	<u> </u>				

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analysis, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTE

OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

Colby Community College

11/19/99

interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

48-R-0029

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

> PARMLEY ED & RESEARCH CTR PO BOX 17 1200 COMMERCIAL BOX 4048 ROSE HILL, KS 67133

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) \*\*\*\*\* FACILITY LOCATIONS (Sites)

Education Department

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching; testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, . teaching, research, surgery, or tests were -conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats		16			16
6. Guinea Pigs			Ĭ.		
7. Hamsters			·	·	
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Piqs		32	_		32
12. Other Farm Animals	·				
-	ļ				
13. Other Animals				<u>:</u>	

### ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the this facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions are regulations of the exceptions as attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of . animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

See Attached

48-R-0031

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

SYNTROVET INC

NOV 1 2 1999

9669 LACKMAN RD 1200 COMMERCIAL BOX 4048

LENEXA, KS 66219

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Syntrovet, Inc. 9669 Lackman Road

1200 Commercial Box 4048

Lenexa, KS 66219

A 3	B. Number of	C Number of ·		Cessury or use APHIS FORM 7023A)	
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	O. Number of animals upon which experiments, leaching, research, surgery, or lests were sconducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats			,		
6. Guinea Pigs		88	,		88
7. Hamsters					
8. Rabbits			•		
9. Non-human Primates					
10. Sheeo					
11. Pigs					·
12. Other Farm Animals	•				
Ch ickens		104			104
13. Other Animals					
· · · · · · · · · · · · · · · · · · ·				·	
			•		

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

See reverse side for additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE - ANIMAL AND PLANT HEALTH INSPECTION SERVICE -

48-R-0035

FORM APPROVED OMB NO. 0579-0036

<b>ANNUAL</b>	REPORT	OF	RESEARCH	<b>FACILITY</b>
	(TYP)	E O	R PRINT)	

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

22549 C RD

1200 COMMERCIAL BOX

SOLDIER, KS 66540-9112

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

same

FACILITY LOCATIONS (Siles)

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See Attached

REPORT OF ANIMALS USED BY OF	B. Number of C Number of		D. Number of animals upon	E. Number of animals upon which teaching,		
Animals Covered By The Animal Wellare Regulations	animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	b. Number of animals upon which experiments teaching, research, surgery, or tests were 'conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely allected the procedures, results, or interpretation of the leaching, research.	F TOTAL NO. OF ANIMALS  (Cols. C + D + E)	
4. Dogs	53	0			0	
5. Cats						
6. Guinea Pigs			\			
7. Hamsters						
8. Rabbits						
9. Non-human Primates						
10. Sheep						
11. Pigs						
12. Other Farm Animals	•	• >		4		
13. Other Animals						
				,		

## ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)
I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

9-27-99

See reverse side for additional information.

interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

48-R-0036

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY IName and Address, as registered with USDA include Zip Code)

Hearth

SALINA REGIONAL MED CTR 400 S SANTA FE

1200 COMMERCIAL BOX 4048 P

SALINA, KS 67401-1760

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, lesting, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

Braddick Bullding

See Attached

REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if ne	cessury or use APHIS FORM 7023A.)	
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred,—conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or lests were "conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					- 4
5. Cats			WX 3	·	MX3
6. Guinea Pigs			,		
7. Hamsters					
8. Rabbits		,			
9. Non-human Primates					
10. Sheep					
11. Piqs	<u> </u>				,
12. Other Farm Animals			·		
13. Other Animals					
· ·		1			

## **ASSURANCE STATEMENTS**

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

1 certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURA OF A FOR OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11-18-99

See reverse side for additional information

Interagency Report Control No. 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE -ANIMAL AND PLANT HEALTH INSPECTION SERVICE

48-R-0039

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY IName and Address, as registered with USDA include Zip Codel

HILL'S SCIENCE & TECH CTR PO BOX 1658 1200 COMMERCIAL BOX 4048 TOPEKA, KS 66601

2 REPORTING EACH ITY II and all leaves to the second of th			
3. REPORTING FACILITY (List all locations where animals were housed or used	in actual research, testing, teaching, or exp	erimentation or held for these nurses	ar Attack additions
sheets if necessary.)	31 · · · · · · · · · · · · · · · · · · ·	commence purpos	es. VIINCU AGGINOUSI

FACILITY LOCATIONS (Siles)

1035 NE 43rd Street, Topeka, KS 66617-1587

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TCTAL NO CF ANIMAL  (Cols. C O + E)
4. Dogs	38	726	0	0	726
5. Cats	8	483	0	0	483
6. Guinea Pigs			·	4.74	. ,
7. Hamsters		i.	•		
8. Rabbits					
9. Non-human Primates					
10. Sheep			_		
11. Pigs					
12. Other Farm Animals					
•					
13. Other Animals			·		
	·				

## ASSURANCE STATEMENTS

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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

10/13/99

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

10/13/99

Interagency Report Control No UC 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE -ANIMAL AND PLANT HEALTH INSPECTION SERVICE

48-R-0040

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

SURGIX

9119 W. 74th St.

Suite 255

Shawnee Mission, KS 66204

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

FACILITY LOCATIONS (Siles)

65.5 Ì See Attached REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach addultional sheets if necessary or use APHIS FORM 7023A.) B. Number of E. Number of animals upon which teaching, C Number of D. Number of animals upon animals being animals upon which experiments, . experiments, research, surgery or tests were **Animals Covered** bred .- which leaching, conducted involving accompanying pain or distress leaching, research, By The Animal conditioned, or research, to the animals and for which the use of appropriate surgery, or lests were Welfare Regulations held for use in TOTAL NO. experiments, or anesthetic, analgesic, or tranquilizing drugs would conducted involving teaching, testing, OF ANIMALS lesis were have adversely affected the procedures, results, or accompanying pain or experiments, conducted interpretation of the leaching, research, distress to the animals research, or involving no experiments, surgery, or lests. (An explanation of the procedures producing pain or distress in these and for which appropriate (Cols. C + surgery but not pain, distress, or anesthetic, analgesic, or yet used for such D + E) use of painanimals and the reasons such drugs were not used tranquilizing drugs were purposes. relieving drugs. must be attached to this report). Dogs Cats Guinea Pigs Hamsters Rabbits 8. Non-human Primates 10. Sheep Pigs 11. 12. Other Farm Animals 13. Other Animals

## ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 3). This lacility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

•	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
1	(Chief Executive Officer or Legally Responsible Institutional Official)
(6)	I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NATURE OF SERVICIAL

NAME - TITLE OF C. E. COMMENT - COMMENT OFFICIAL (Type of Print)

DATE SIGNED

11-30-99

Interagency Report Control No 0180-DOA-AN

2

UNITED STATES DEPARTMENT OF AGRICULTURE -ANIMAL AND PLANT HEALTH INSPECTION SERVICE

48-R-0101

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

I.M.T.C.I.

16300 COLLEGE BLVD

Suite 255 Ra LENEXA, KS 66219

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)

**333** 4

See Attached

A	B. Number of	C Number of	D. Number of animals upon	Cessary or use APHIS FORM 7023A)	
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	which experiments, . teaching, research, surgery, or tests were "conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquitizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats	0	0	0	9	0
6. Guinea Pigs			. \		
7. Hamsters					
3. Rabbits	,		,		
Non-human Primates					
10. Sheep					
II. Pigs					
12. Other Farm Animals					
13. Other Animals					

- 1). Prolessionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (Resilians VS FORM 18-23 (OCT 88) which is obsolute to

See reverse side for additional information.

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 0102

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITS (Herric god Address, as registered with USDA ... include Zip Code De Velet III all YSDA

701 Northeast Coffeyville, KS 67337 316-251-6037

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

FRAZEE Upt	LeriNARU	Servic	e FRA	nee Livestock	
101NE ST	0 Ks 6	7337	Coffe	BOX 224, YUTTE KS 6733.	7
REPORT OF ANIMALS USED BY OR	UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A.)	
A Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats	7	0	7	0	7
6. Guinea Pigs			1		
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs			3		
12. Other Farm Animals					
13. Other Animals					
ASSURANCE STATEMENTS					

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

Cb	(Chief Executive Officer or Legally Responsible Institutional Official)  I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).					
610	The second secon		NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED		
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UNITED STATES DEPARTMENT OF AGRICULTURE -ANIMAL AND PLANT HEALTH INSPECTION SERVICE

48-R-0103

FORM APPROVED OMB NO. 0579-0036

HEADQUARTERS RESEARCH FACILITY /Name and Address, as registered with USDA include Zip Code!

> HAYS MEDICAL CENTER 2220 CANTERBURY DR Suite 255 HAYS, KS 67601



ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

FACILITY LOCATIONS (Siles)

No animal testing was completed in the last federal fiscal year.

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Affach activitional sheets if necessary or use APHIS FORM 7023A)

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or lests were econducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F. TOTAL NO OF ANIMALS  (Cols. C = D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	ò	0 % 3 8 8 8	0
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	0	0 -	0
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	_ 0	0
11. Piqs	0	0	0 ,	0	0
12. Other Farm Animals	0	0	. 0 .	0	0
13. Other Animals	0	0	0	.0	0 .
			·		
		·			

## ASSURANCE STATEMENTS

SIGNATURE

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

STITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

1-20 99

See reverse side for additional information.

Interagency Report Cont 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

(TYPE OR PRINT)

48-R-0104

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY IName and Address, as registered with USDA include Zip Code)

ANNUAL REPORT OF RESEARCH FACILITY

WOMENS RESEARCH INST 1010 N KANSAS Suite 255 WICHITA, KS 67214-3199

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Women's Research Institute

1010 North Kansasached

Wichita, KS 67214-3199

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred,— conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	. 0	0	0	0
8. Rabbits	0	0	0 .	0	0
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0 '	0	0	0	0
13. Other Animals					
Mice	10	5	0	0	5
Rats	4	0	20	0	20

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of , animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of

DATE SIGNED

Interagency Report Conty 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 51-R-0003

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Nume and Address, as registered with USDA incluite Zip Code) BioReliance Corporation 14920 Broschart Road

Rockville, MD 20850-3349

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Siles)

Building 5, Animal Facility

Animals Covered By The Animal Welfare Regulations	Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs			·.		
5. Cats		•			
6. Guinea Pigs		1616	2498		411.4
7. Hamsters		1530			1530
8. Rabbits		990	6		996
9. Non-human Primates					
10. Sheep	<u> </u>		• •		
11. Pias			·		
12. Other Farm Animals					
13. Other Animals			نورد النبية ال		
	·		NOV ک	2 2 1999	
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- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

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SIGNATURE OF	C.E.O.	OR INSTITUTION	AL OFFICIAL

## CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

APHIS FORM 7023 /AHC Q11

(Replaces VS FORM 18-23 (OCT 88), which is obsolute ) ( ( ) ( ) ( ) ( )

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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO004

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code on Systems, Inc.

9610 Medical Center Drive

Rockville, MD 20850

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held-to-these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

See Attached procedure room

large procedure room							
REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	F RESEARCH FACILITY	f (Attach adiditional sheets if ne	cussury or use APHIS FORM 7023A.)			
A. Annnals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or fests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)		
4. Dogs							
5. Cats							
6. Guinea Pigs							
7. Hamsters							
8. Rabbits			•		,		
9. Non-human Primates							
10. Sheep							
11. Pigs							
12. Other Farm Animals							
13. Other Animals							
Cotton Rats	2925	0	6771	0	0		
				•			
ASSURANCE STATEMENTS							

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and transpulicing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to poinful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of ammal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL. (Chief Executive Officer or Legally Responsible Institutional ()fficial) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143) L OFFICIAL NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Punit)

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

## 2. HEADQUARTERS RESEARCH FACILITY (Name and

1. REGISTRATION NOO4

FORM APPROVED OMB NO. 0579 0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA inclinite Zip Coffin on Systems, Inc.

9610 Medical Center Drive Suite 100 DECEIVE

Rockville, MD 20850 Status: Active NOV 0 2 1999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, lesting, traching, or experimentation, or held for these purposes. Attach autilitying sheets it necessary.)

FACILITY LOCATIONS (Siles)

Virion Systems, Inc. 9119 Gaither Road Rooms, 2, 3, 4, 56 Gaithersburg, Maryland 20878 large and small procedure rooms REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Allach additional sheets if necessary or use APHIS FORM 702:14.) Number of animals upon which teaching, C Number of Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments, which teaching, conducted involving accompanying pain or distress to the aminals and for which the use of appropriate Aminals Covered bred. leaching, research, By The Animal conditioned, or research. IOTAL NO Surgery, or lests were anesthetic, analgesic, or tranquilizing drugs would Wellare Regulations held for use in experiments, or OF ANIMALS conducted involving have adversely affected the procedures, results, or teaching, testing, tests were accompanying pain or interpretation of the leaching, research, experiments. conducted distress to the animals mvolving no research, or experiments, surgery, or tests. (An explanation of (Cols. C + D + E) and for which appropriate surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were purposes relieving drugs must be attached to this report) used Dogs Cats Guinea Pigs Hamsters Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals 4000 cotton

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of aniesthetic, analgesic, and tranquitzing drugs, prior to during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
100 A CACA - C	(Chief Executive Officer or Legally Responsible Institutional Official)
CHAIN PART OF	Freelity that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNA MACONING THE PROPERTY OF THE PROPERTY OF

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

10/27/99

APHIS FORM 7023 (AUG 91)

ASSURANCE STATEMENTS

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 51-R-005 ·

Include Zip Code)

FORM APPROVED OMB NO. 0579-0036

• ANNUAL REPORT OF RESEARCH FACILITY

Southern Research Institute-Frederick 431 Aviation Way

Status: Active

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

Southern Research Institute-Frederick

(TYPE OR PRINT)

Frederick, Md. 21701

NOV 29 1999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.)

431 Aviation Way Frederick, Md. 21701

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL  (Cols. C D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	. 0	0	0
6. Guinea Pigs	0	2	102	0	104
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	. 0	0	0
9. Non-human Primates	0	28	4	0	32
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0 .	0	0

## **ASSURANCE STATEMENTS**

13. Other Animals

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility

n

2). Each principal investigator has considered alternatives to painful procedures

ONAL OFFICIAL

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- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research faculity has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

0

Southern Research Institute

SIGN

FORM 18-23 (OCT 88), which is obsolete)

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NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

0



See Attached

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

## 1. REGISTRATION NOOS

FORM APPROVED OMB NO. 0579-0036

HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
 Insect Control & Research Inc.

1330 Dillon Heights Avenue

3400 N. Charles Street
Baltimore, MD 21228-1199

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual resheets if necessary.)	search, testing, teaching, or experimentation, or held for these purposes. Attach additional
FACILITY LOC	ATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach activitionial sheets if necessary or use APHIS FORM 7023A.)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.			E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)			
4. Dogs	,							
5. Cats		5			5			
6. Guinea Pigs								
7. Hamsters								
8. Rabbits	,	17		•	17			
9. Non-human Primates								
10. Sheep				, , , , , , , , , , , , , , , , , , , ,				
11. Pigs								
12. Other Farm Animals		- ,						
		•						
13. Other Animals				•				
	:	·			,			
SSURANCE STATEMENTS								

## 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL  (Chief Executive Officer or Legally Responsible Institutional Official)  1 certify that the above is true, correct, and complete (7 U.S.C. Section 2143)							
SIGNATUS COMPRETITIVE ONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED 9/14/99					

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(b)(6), (b)(7)(c)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NOOO9 SIR DOO

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) mmune, Inc.

35 W. Watkins Mill Road 3400 N. Charles Street Gaithersburg, MD 20878

DEC 0 1 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Status: Active 3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional **FACILITY LOCATIONS (Siles)** See Attached

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adjultional sheets if necessary or use APHIS FORM 7023A) B. Number of C Number of E. Number of animals upon which teaching, Number of animals upon animals upon animals being experiments, research, surgery or tests were which experiments, conducted involving accompanying pain or distress **Animals Covered** bred. which teaching, leaching, research, conditioned, or to the animals and for which the use of appropriate By The Animal research. surgery, or tests were TOTAL NO held for use in anesthetic, analgesic, or tranquilizing drugs would Wellare Regulations experiments, or conducted involving OF ANIMALS teaching, testing, have adversely affected the procedures, results, or tests were accompanying pain or experiments, conducted interpretation of the teaching, research, distress to the animals involving no (Cols. C + D + E) research, or experiments, surgery, or tests. (An explanation of and for which appropriate surgery but not the procedures producing pain or distress in these pain, distress, or anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were purposes. must be attached to this report). relieving drugs. used Dogs Cats Guinea Pigs Hamsters 8. Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals **ASSURANCE STATEMENTS** 

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of anunal care and use.

									CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL	
									· · · · · · · · · · · · · · · · · · ·	
<i>y</i> :									(Chief Executive Officer or Legally Responsible Institutional Official)	
11	- 1	. 9			1	2		. A N	(one baccutive officer of negative responsible restrictional official)	
	í	1	é	3.	9 1	( T)	7 ) /	6 21 3	I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)	
1 1 1	1	امة	- \$	3/ 7	1. 1	٠,	16	4 :		
			<u></u> }	****			- /5	Sec. 1		

SIGNATURE OF CEAR INSTITUTIONAL OFFI NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

APHIS F

(Replaces VS FORM 18-23 (OCT 88), which is obsolete (b)(6), (b)(7)(0)

See reverse side for adoptional information.

Intragency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. SI-R-01010 FURM APPROVED OMB NO 0579-0036 2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA Mid-ATCANTIC STATES VETERINARY CLINIC ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, deaching, or experim Sheets if necessory.) MILGRANDS IMONIUM TimeNiUm FACILITY LOCATIONS (SIDS) REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach admillional sheets if necessary of use APHIS FORM 7073A) B. Number of Number of Number of animals upon which reaching, experiments, research, surgery or lests were D. Number of allimate upon anwhals being المحرية والإسلامة Animals Covered By The Animal brod. which experiments. which leaching, conducted involving accomplishing pain or distress to the animals and for which the use of appropriate teaching, research, conditioned, or research, held for use in Wellere Regulations SUIGHTY, OF lasts were experiments, or Cluow sputt galsdupart to presplane, sitedizent TOTAL NO conducted involving teaching, lesting, tests were conducted have adversely affected the procedures, results, or interpretation of the leaching, research, CCOMPANYING Pain or experiments, Challess to the animals mvolving no pain, distress, or and for which appropriate experiments, surgery, or tests. (An explanation of SUffery Dul not yet used for such DUIDOSES. experiments, surgery, or texts. (Art expression or the procedures producing pain or distress in these animals and the reasons such drugs were not used (Cols. C + D + E) anesthalic, analogue, or use of near Iranquilizing chags were epurb gaivailes must be attached to this report. 4. Dogs . . . . . Cata 6. Guinea Pigs 1. 7. Hamsters 8. Rabbits : ... Non-human Primates 10. Sheep 17. Pigs 12. Other Farm Animais 13. Other Animals ASSURANCE STATEMENTS

- Protessionally acceptable stundards governing the case, treatment unduse of aurmais, including approviate use of anesthetic, engigesic, and tranquistance drugs prior to, during, and following actual research, inaching, testing, sungery, or experimentation were followed by this research facility
- Each principal investigator has considered alternatives to Duniful procedures
- 3) This facility is adhering to the alandards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and the Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of annual report.
- 4) The attending veterination for this research facility has opportune authority to assume the provision of adequate veterinary core and to oversee the adequacy of other aspects of annual care and use.

SA(0) (n/(7)/C)	firefully that the above is free,	ARTES RESEARCH FACILITY OFFICIA eguily Responsible Institutional Official;	ı.	
SIGNATURE OF C.E.O. OR INSTITUTIONAL		NAME & TITLE OF C.E.O., OR INSTITUTIONAL OFFICIAL (1	THE OF PRINTS	MATE SIGNED
APHIS FORM 7023 (Heplaces V. (AUG 91)	S FORM 18-23 (OCT 88), which is ob-	solite) (D/D), (D)(7)(C)	20.01 0501 00	73/17

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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Sinai Hospital of Baltimore, Inc.

Hoffberger #42

2401 W. Belvedere Avenue Baltimore, MD 21215

Status: Active

85

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

See Attached FACILITY LOCATIONS (Siles)

Suggeste Research

RADIATION ONINLOTY CALTER

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.) Number of E. Number of animals upon which teaching, C Number of D. Number of aminals upon animals being animals upon experiments, research, surgery or tests were conducted involving accompanying pain or distress which experiments, bred which leaching, **Animals Covered** leaching, research, surgery, or tests were to the animals and for which the use of appropriate conditioned, or By The Animal research. TOTAL NO held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS Wellare Regulations conducted involving have adversely affected the procedures, results, or teaching, testing, tests were accompanying pain or interpretation of the teaching, research, experiments. conducted distress to the animals research, or experiments, surgery, or tests, (An explanation of (Cols. C + D + E) involving no and for which appropriate the procedures producing pain or distress in these pain, distress, or surgery but not anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. Dogs 6 Cats Guinea Pigs Hamsters 8. Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals

## ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

(Chief Executive Officer or Legally Responsible Institutional Official)

(Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

عما ا

9/27/99

(F)

S FORM 18-23 (OCT 88), which is obsolete)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

## I. REGISTRATION NO 12 51R0012

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Lip Codeson State University

8000 York Road

2401 W. Belvedere Avenue

DEC 0 2 1999

Towson, MD 21252 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

XXXXXXXXX

FACILITY LOCATIONS (Siles)

Towson University, 8000 York Rd., Towson, MD

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs	·				
7. Hamsters	60	60			60
8. Rabbits		·		·	
9. Non-human Primates					• .
10. Sheep					
11. Pigs			-		
12. Other Farm Animals	7				
13. Other Animals					
Rats/mice	75	75			75
		-			
ASSURANCE STATEMENTS	<u> </u>				

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of anunal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official) 1 certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.14 51 R 00 14

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Gode)

University of Maryland Baltimore C

5401 Wilkins Avenue 2401 W. Belvedere Avenue Baltimore, MD 21228 Status: Cancelled

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)
 UMBC - 1000 Hilltop Circle, Baltimore, MD 21250

FACILITY LOCATIONS (Siles)

Dept. of Biological Sciences
1000 Hilltop Circle
Baltimore, MD 21250

A. Animals Covered By The Animal Welfare Regulations  NONE	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)	
4. Dogs						
5. Cats	-					
6. Guinea Pigs						
7. Hamsters	,					
8. Rabbits						
9. Non-human Primates		,		<u> </u>		
10. Sheep						
11. Pigs						
12. Other Farm Animals						
13. Other Animals	,					

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approximate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)  1 certify that the above is true, correct, and complete (7 USC Section 2143)							
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL Gype or Print)	DATE SIGNED					

APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(b)(6),(b)(7)(c)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.16

SIZOU FACILITY (Name.

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Henry M. Jackson Foundation for th

Walter Reed Army Institute of Research

Bldg 511, Forest Glen, Maryland

1600 E. Gude Drive 2401 W. Belvedere Avenue Rockville, MD 20850

Status: Active

88

See Attached

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)
 FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.) B. Number of Number of animals upon which leaching, C. Number of D. Number of animals upon experiments, research, surgery or tests were animals being animals upon which experiments, which leaching, conducted involving accompanying pain or distress bred, **Animals Covered** teaching, research, conditioned or to the animals and for which the use of appropriate By The Animal research. TOTAL NO. surgery, or lesis were anesthetic, analgesic, or tranquilizing drugs would held for use in experiments, or Wellare Regulations conducted involving OF ANIMALS have adversely affected the procedures, results, or interpretation of the teaching, research, teaching, testing, lesis were accompanying pain or experiments, conducted distress to the animals experiments, surgery, or tests. (An explanation of research, or involving no and for which appropriate (Cols. C + D + E) surgery but not pain, distress, or the procedures producing pain or distress in these animals and the reasons such drugs were not used anesthetic, analgesic, or vet used for such use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. 4. Dogs 5. Cats 6. Guinea Pigs Hamsters 8. Rabbits 0 130 24 154 9. Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals 4000

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(b)(b)	(Chief Executive Offic	CADQUARTES RESEARCH FACILITY OFFICIAL er or Legally Responsible Institutional Official) to true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATU	INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
APHIS	(Heplaces VS FORM 18-23 (OCT 88), wh	(b)(7)(C)	12/1/99

ASSURANCE STATEMENTS

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.16
51R.0016

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Henry M. Jackson Foundation for th

1600 E. Gude Drive

2401 W. Belvedere Avenue Rockville, MD 20850

Status: Active

3. REPORTING FACILITY (Lis	t all locations wh	ere animals were housed or used in actua	ol research, testing, teaching	g, or experimentation, or held !	or these purposes.	Attach additiona
sheets if necessary.)		•	•			

FACILITY LOCATIONS (Siles)

See Attached

Southern Research Institute

431 Aviation Way, Frederick, MD 21701

Animals Covered  By The Animal  Welfare Regulations	B. Number of animals being bred,	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates	90	68	29		97
10. Sheep	`				
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
	•			nzr (13 1390	

1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures.

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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL  (Chief Executive Officer or Legally Responsible Institutional Official)  (Chief Executive Officer or Legally Responsible Institutional Official)  (Chief Executive Officer or Legally Responsible Institutional Official)							
SIGNATURE OR INSTITUT	ONAL OFFICE	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED				
		(b)(6)					
		(b)(7)(c)	12/1/99				
APH (Repl	eces VS FORM 18-23 (OCT 88), which is	s obsolete )					

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO 51-R-0017

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Otsuka America Pharmaceutical, Inc.
Maryland Research Laboratories
9900 Medical Center Drive
Rockville, MD 20850

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

3. REPORTING FACILITY (List all Contions v

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

## Maryland Research Laboratories

A- Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals, upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL:  (Cols. C + D + E)
4. Dogs					
5. Cats		,			
6. Guinea Pigs			373		373
7. Hamsters					
8. Rabbits			633		633
9. Non-human Primates					
0. Sheep					
1. Pigs			·		
12. Other Farm Animals		-			
13. Other Animals					
		·			

### SSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCII FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U. S. C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

Maryland Research Laboratories

Nov. 11. 1999

APHIS FORM 7023 (AUG 91) D--1---- VO FORM 40 00 (00T 00)

(b)(6),(b)(7)(c)

1. REGISTRATION NO 18 51<u>R∞18</u>

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Code) University of Maryland a Baltimore

10 S. Pine St. Rm G-100

MSTF Bldg, UMAB Baltimore, MD 21201

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

Medical School Teaching Facility

See Attached

Bressler Research Building

Maryland Psychiatric Research Center

Health Sciences Facility

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	4	. 0	3		7
5. Cats					
6. Guinea Pigs	30	127	513	<u> -                                   </u>	670
7. Hamsters	30	0	235	2 1000	265
8. Rabbits	0	0	248	5 NOV 2 2 1999	248
9. Non-human Primates	40	12	296	p.y	348
10. Sheep				1,	
11. Pigs	0	0	35		35
12. Other Farm Animals				- <del>(*</del>	
				- CSOL No Non	
13. Other Animals					
VOLES	50	0	828	[_ *;	878
FERRETS	0	0	27		27

### Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-2)

uch is obsolete)

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

## 1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY Address, as registered with USDA ECELVL

include Zip Code)
Genetic Therapy, Inc.

938 Clopper Road MSTF Bldg, UMAB Gaithersburg, MD 20878

Status: Active

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

See Attached

REPORT OF ANIMALS USED BY O	<del></del>		Parach adiomental shears whe	cessary or use APHIS FORM 7023A.)	·
A.  Animals Covered By The Animal Weltare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be effected to this report).	F.  TOTAL NO OF ANIMALS  (COIS. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs	·				
7. Hamsters	0	0	0		0
8. Rabbits	,				
9. Non-human Primates					
10. Sheep			,		
11. Pigs					
12. Other Farm Animals					
13. Other Animals	·				
COTTON RATS	0	0	0	· ·	0

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL  $\langle$ (Chief Executive Officer or Legally Responsible Institutional Official) Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Typ

DATE SIGNED

10/20/99

result in an order to cease and design	st and to be sui	pject to penalties as provided	e r. gulations can for in Section "	51RC	020			
UNITED STATES DEP ANIMAL AND PLANT VETERIN		ECTION SERVICE	1. DATE OF RT	79	ORM APPROVED OMB NO. 0579-0036			
			2. HEADQUARTERS F tered with USDA, inc	RESEARCH FACILITY INCI	me & Address, as reg			
ANNUAL DECOR	05 0505 4	DEC 1.6-1999	CCBC-	The Essen (20)	1/05			
ANNUAL REPORT	OF RESEA	HCH FACILITY	(Essex lommon 17 lollege) 720, Rossulle Blug					
(Required For Each Report And An Attending Vo			720, Rossulle Bly					
90	etermanun 11	is Kesponsionary)	Balto, MA 21237 \51-R-00					
	701071010		3. REGISTRATION NO. 5/-R -029					
Reporting Facility - complete items	TRUCTIONS	and submit to your	4. REPORTING FACILITY (Name and Address include Zip Code)					
Headquarters Facility. Attach addi			& CCBC-	The Essex (Am) community (ullege) lossy. He islug	peg			
Headquarters Facility - complete ite			( Essen /	ommunity (allege)				
December 1 of each year for the pro-	_		7201 1	lossy, /14 /5/4g				
September 30) to the Veterinarian i	in Charge for th	ne State where the research	KA 110,	MA 21237				
facility headquarters is registered.			<u> </u>					
REPORT OF ANIMALS USED IN priate use of anesthetics, analgesics, these drugs must be reported and a	and tranquillz	ing drugs during research, test explaining the research.	ting, or experimentation. E	xperiments involving pain or	ulations requires api distress without use			
<b>A.</b>	B.	c	D.  Number of animals used	E. Number of animals used	F.			
	New	Number of animals used	in research, experiments,	in research, experiments, or tests involving pain or				
Animals Covered  By Act	Animals	in research, experiments,	or tests where appropriate anesthetic, analgesic, or	distress without adminis- tration of appropriate	TOTAL NO. Of Animals			
by Act	Added this Year	or tests involving no pain or distress.	tranquilizer drugs were administered to avoid	anesthetic, analgesic, or	(Cols. C+D			
•			pain or distress.	tranquilizer drugs. (Attach brief explanation	,			
5. Dogs	0	5	0	0	5			
6. Cats	ats 6 3		0	0	3			
7. Guinea Pigs	0	0	0	0	0			
8. Hamsters	ers O		. 0	0	·.: O .			
9. Rabbits	0		0 0		0			
10. Primates	0	O	0	O	0			
11. Rats	0	0	0	0	0			
12. Mice	0	Ô	O	0	0			
13. Wild Animals (specify)	0	O	6	6	D			
14.								
15.								
CERTIFICATION BY A	TTENDING	VETERINARIAN FOR R	EPORTING FACILITY	OR INSTITUTIONAL	OMMITTEE			
(We) hereby certify that the take a	nd amount of a	naigesic, anesthetic, and tran-	gulilzing drugs used on anim	nais during actual research, te				
sation including post-operative ad p				for the subject animal.				
	VETERINARL		IA-HILE		18. DATE SIGNE			
PROPERTURE OF COMMITTEE	See Clark B	and the second s	20 7/7/15		// /30/7			
(b)(a, (b)(7)(c)			20 (6) (2)	1/1	Zi. DAIL SIGHLA			
2. SIGNATURE OF COMMITTEE	MEMBER		23. TITLE	100	24. DATE SIGNE			
CE certify that the above is true, correc		ON BY HEADQUARTER			of animale including			
ppropriate use of anesthetic, analyes are are being followed by the above	ic, and tranquil	izing drugs, during actual reci	earch testion or experimen	tation including post-operati	ve and post-procedu			
S. SIGNATURE OF SESPONSIDE			2143). 86. The		27. DATE SIGNED			
					1/30/99			
S FORM 18-23 Provinus edition	obsulete	<b>_</b>	MAMA	10				

Interagency Report Control No 0180-DOA-AN

1. REGISTRATION NO 21 5 1 RODA)

FORM APPROVED OMB NO 0579-0036

## ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

UNITED STATES DEPARTMENT OF AGRICULTURE

ANIMAL AND PLANT HEALTH INSPECTION SERVICE

532

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
American Red Cross

15601 Crabbs Branch Way MSTF Bldg, UMAB

Rockville, MD 20855 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

See Attached

American Red Cross

15601 Crabbs Branch Way

Rockville, MD 20855

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A)

A B. Number of C. Number of D. Number of animals upon E. Number of animals upon which leaching.

A	B. Number of	C Number of	D. Number of animals upon	E. Number of animals upon which feaching.	F
Animals Covered By The Animal Wellare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	TOTAL NO OF ANIMAL (Cols. C D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	40	63	1067		1170
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals		'			
				,	

### **ASSURANCE STATEMENTS**

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

(Chief Executive	Y HEADQUARTES RESEARCH FACILITY OFFICIAL Officer or Legally Responsible Institutional Official) ie above is true, correct, and complete (7 U.S.C. Section 2143)
SIGNATURE OF C.E.O. OF MISTITUTIONAL OFFICE	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

## 1. REGISTRATION NO SOLD SIROUS SIROUS

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zin Code)

0

include Zip Code) R.O.W. Sciences, Inc. 1700 Research Boulevard Suite 400

> Rockville, MD 20850-3142 Status: Cancelled

9793

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.) Number of Number of animals upon which teaching, C. Number of Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments, conducted involving accompanying pain or distress to the animals and for which the use of appropriate Animals Covered bred. which leaching, teaching, research, By The Animal conditioned, or research. TOTAL NO. surgery, or tests were Welfare Regulations held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would conducted involving OF ANIMALS teaching, testing. lesis were have adversely affected the procedures, results, or interpretation of the teaching, research. accompanying pain or experiments. conducted distress to the animals research, or experiments, surgery, or tests. (An explanation of on pnivlovni (Cols. C + D + E) and for which appropriate surgery but not yet used for such pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or animals and the reasons such drugs were not used use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. 10 10 Dogs 6 0 C 0 0 0 0 G Cats 0 0 0 0 0 Guinea Pigs 0 0 0 7. Hamsters 0 0 ٥ 0 27 8. Rabbits 0 2ገ 0  $\circ$ Non-human Primates O 0 6 0 Sheep 0 0 0 90 90 0 0 0 11. Pigs 0 12. Other Farm Animals 0 0 0 0

## ASSURANCE STATEMENTS

13. Other Animals

1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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2). Each principal investigator has considered alternatives to painful procedures.

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- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

• `	•	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
$\Omega \setminus \Omega \setminus \Omega$	11/2/20	(Chief Executive Officer or Legally Responsible Institutional Official)
D)(6),	(6/2)(3)	Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

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APHIS FORM 7023 (AUG 91)

(Replaces VS F

23 (OCT 88), which is obsolute )

(b)(b)(7)(c)

INTETOGRACE REPORT CONTROL NO. 0180-00A-AN

UNITED STATES	DEPARTMENT OF AGRICULTURE
	MT HEAT THE INCOCCTION ERGINGS

I. REGISTRATION NO. 51-R-0028

FORM APPROVED DNB NO 0373-0936

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY Mains and Address, as registered with USDA locivite Do Code)

Novavax

1 faft Court, Suite 200 Rockville, MD 20850

450

2. REPORTING FACILITY (List all locations where animals were housed or used in actual rescurch, teating, teaching, or operamentation, or held for linear purposes. Attach and linear shools of necessary.) Suite 200, Rockville, MD 20850 Novavax, 1 Taft Court,

FACILITY LOCATIONS ISHOU

Animals Covered By The Animal Welfare Regulations	B. Mymber of animals beeng brest, constitioned, or need for sure is economic, teating, experiments, or surgery but not yet used to such purposes.	G Mystibet of painting which leading which leading consporting of leading to lead the state of painting of paintin	D. Nursber of Johnsch open which experiments, teaching, resharch, surgery, to teats were conducted invulving accompanying pain or distress to the Johnsols and for which appropriate anotherist, analysis, analysis, analysis, and tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, suspery or tests were conducted involving accumpanying pain or distress to the assentials and for which the use of appropriate absentials, analyses, or tranquitizing origin would have developed affected the procedures, results, or interpretation of the topology, resourch, experiments, supery, or tests, the application of the procedures producing pean or distress in more animals and the reasons such drugs whe not used must be attached to this report).	TOTAL NO. OF ANIMAL! (Cols. C =
4. Ocos					
5. Cats		-			
6. Guines Pigs		54	45	·	99
7. Hamsters				<u> </u>	
8. Rabbits		Ъ.			4
9. Non-humon Primaics					
10. Shoop					
11. Pjos					
12. Other Form Animals					
13. Other Animals					

- 1) Professionally accountable standards governing the circ. teathermi, and use of emmals, including aspectable as of emissional standards governing that circ. teaching, training and parameters are professional parameters. The control of the research lacking and parameters are controlled to the research lacking.
- This legisty is adverting to the standibute and regulations used the Act, and it has required that exceptions to the standards and regulations to specially and explained by the principal invocational and principal invocations and opening and the security of all such exceptions is attached to this annual report. In audition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of amounts affected.
- 4) The attenting valorinarian for the remarch facility has oppropriate authority to ensure the provision of sucquote veterinary cure and to divertoe the artequates of other authority of entering the artequates of the artequates

(Chief Executive (	TIEADQUARTES RESEARCH FACILITY OFFICIAL Officer or Legally Responsible Institutional Official) Here is the committee of the C	· <u>-</u> -
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF G.C.O. OR INSTITUTIONAL OFFICIAL (1)10-00 Portal (6)(6)(7)(7)(7)	DATE SIGNED

APHIS FORM 7023 (AUG 91)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

1. REGISTRATION NO. 51-R-0029 1R0029

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Oceanix Biosciences Corp.

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7170 Standard Drive College Park Campus Hanover, MD 21076-1334

Status: Active

NOV 05 1999

(TYPE OR PRINT) 476

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) FACILITY LOCATIONS (Siles) See Attached REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adultinosal sheets if necessary or use APHIS FORM 7023A.) B. Number of Number of animals upon which teaching, C Number of D. Number of animals upon E. animals being animals upor experiments, research, surgery or tests were which experiments, which leaching, **Animals Covered** bred. conducted involving accompanying pain or distress teaching, research, surgery, or tests were to the animals and for which the use of appropriate conditioned, or By The Animal research. TOTAL NO held for use in anesthetic, analgesic, or tranquilizing drugs would Welfare Regulations experiments, or conducted involving OF ANIMALS have adversely affected the procedures, results, or teaching, testing, lesis were accompanying pain or interpretation of the teaching, research, experiments, conducted distress to the animals research, or experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these (Cols. C + D + E) involving no and for which appropriate surgery but not pain, distress, or anesthetic,-analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were purposes. relieving drugs must be attached to this report). 0 O 0 O Dogs 0 0 Ö O Cats 132 132 O Guinea Pigs O O O 0 0 Hamsters

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### **ASSURANCE STATEMENTS**

8.

Rabbits

10. Sheep

11. Pigs

Non-human Primates

12. Other Farm Animals

13. Other Animals

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures.

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- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of anunal care and use.

CERTIFICATI	ON	BYHEAD	$\Theta \cap V$	RTES RES	SEARCIII	FACILI	fy Official
			_				

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces V& FORM 18-23 (OCT 88); which is obsolete )

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION 19033 51R0033

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) Carnegie Institution of Washington

115 W. University Pkwy.

Gel lege Rank Campus Baltimore, MD 21210 Status: Cancelled

\$202 3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) Same as No. 2

**FACILITY LOCATIONS (Sites)** See Attached

DFC 0 1 1889

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F. TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0				0
5. Cats	0	·			0
6. Guinea Pigs	0				0
7. Hamsters	0				0
8. Rabbits	0				0 -
9. Non-human Primates	0				0
10. Sheep	0				0
11. Piqs	0				0
12. Other Farm Animals	0				0
·					
13. Other Animals	0				0
		·			
	I				

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

1. REGISTRATION NO.34 51R003A

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
University of Maryland Dental Scho

666 W. Baltimore St.

College Park Campus
Baltimore, MD 21201
Status: Active

2 NOV 1 5 1999

505

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

School, University of Maryland 666 W. Baltimire St, Baltimore, MD 21 REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach activitional sheets if necessary or use APHIS FORM 7023A.) E. Number of animals upon which teaching. B. Number of Number of D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments. bred, conducted involving accompanying pain or distress **Animals Covered** which leaching, teaching, research, conditioned, or to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would By The Animal research, TOTAL NO surgery, or tests were held for use in OF ANIMALS Weitare Regulations experiments, or conducted involving teaching, testing, have adversely affected the procedures, results, or tests were accompanying pain or conducted interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of experiments. distress to the animals research, or (Cols. C + D + E) on pnivlovni and for which appropriate surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or yet used for such use of painanimals and the reasons such drugs were not used tranquilizing drugs were purposes. must be attached to this report). relieving drugs. used 0 0 0 0 Dogs Ó 0 20 20 Cats 0  $\cap$ 0 Guinea Pigs 0 0 O Hamsters д Ô 0 Rabbits 0 0 0 Non-human Primates 0 Õ 0 10. Sheep 0 0 0 ð 11. Pigs 0 0 д  $\circ$ 12. Other Farm Animals Other Animals ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered afternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

(Chief Executive Officer or	UARTES RESEARCH FACILITY () FFICIAL Legally Responsible Institutional Official) 4, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF C.E.O. OR IN	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
		11/9/99

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 51R0035

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. Include Zip Code)
Biological Rsch Faculty & Facility

10075-20 Tyler Pl.

. College Park Campus

Ijamsville, MD 21754 Status: Active

(TYPE OR PRINT)

ANNUAL REPORT OF RESEARCH FACILITY

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional same FACILITY LOCATIONS (Siles) See Attached same

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, feaching, research, surgery, or fests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	,				
5. Cats					
6. Guinea Pigs	0	4	0	0	4
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					·
13. Other Animals					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of anenal care and use

(Chief Executive Officer	DQUARTES RESEARCH FACILITY OFFICIAL CONCENTRATION CONTROL CONT	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	10/6/99

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.36 51R003CD

FORM APPROVED OMB NO 0579-0036

include Zip Code)
Bloqual, Inc.

9600 Medical Center Drive Gollege Park Campus

2. HEADQUARTERS RESEARCH FACILITY (Name and Address

Rockville, MD 20850-3336

NOV 0 2 1999

Status: Active

BY:			
_ ,,			

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

See Attached

9600 Medical Center Drive, Rockville, MD 20850-3336

2501 Research Boulevard, Rockville, MD 20850+3228

A	B. Number of	C Number of	D	E. Number of animals upon which teaching.	T
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of aminals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs		,			
5. Cats					
6. Guinea Pigs	0	17	0	0	17
7. Hamsters		,			
8. Rabbits	33	1,334	76	0	1,410
9. Non-human Primates	183	100	535	0 -	635
10. Sheep	·				
11. Pigs					
12. Other Farm Animals					
13. Other Animals	·				
• ,	•	. •		•	

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)
(Chief Executive Officer or Legally Responsible Institutional Official)
(Chief Executive Officer or Legally Responsible Institutional Official)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

DL6), (

10/27/99

APHIS 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(AUG 91)

60 16), 60(7 xc)

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) BioWhittaker, Inc.

8830 Biggs Ford Road - MO1 College Park Campus

Walkersville, MD 21793-0127

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

See Attached

REPORT OF ANIMALS USED BY	R UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A.)	
A.  Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs	0	0	0	0	0 .
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	280	0	0	280
7. Hamsters	Ŏ	0	0	0	0
8. Rabbits	ğ	324	0	0	0
9. Non-human Primates	-51	224	0	0	224
10. Sheep	0	30	0	0	30
11. Pigs	0	0	0	0	0
12. Other Farm Animals					
GOATS	8	38	0	0	38
13. Other Animals					
BURROS	1	10	0	0	10

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of unimal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

SIGNATURE OF C.E.O.

Interagency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1 REGISTRATION NO. 51ROO40

College Park Gampus

Rockville, MD 20850

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA orchude Zip Code) GTC Washington Laboratories, Inc. Primedica

2 Taft Court

Corporation

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

521

sheets if necessary)

See Attached

Status: Active 1. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

NFC 0 1 1999 REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets it necessary or use APHIS FORM (023A) E. Number of animals upon which teaching, Number of C Number of Number of animals upon experiments, research, surgery or tests were animals being animals upon which experiments; conducted involving accompanying pain or distress bred. which leaching. **Animals Covered** feaching, research to the animals and for which the use of appropriate conditioned, or reseurch. TOTAL NO By The Animal surgery, or tests were conducted involving anesthetic, analgesic, or tranquilizing drugs would held for use in Welfare Regulations experiments, or have adversely affected the procedures, results, or leaching, lesting, tests were accompanying pain or interpretation of the leaching, research. conducted experiments. distress to the animals (Cols. C + D + E) experiments, surgery, or tests. (An explanation of research, or en paivlova and for which appropriate the procedures producing pain or distress in these pain, distress, or surgery but not anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were must be attached to this report) purposes. relievina druas Dogs Cats 91 229 138 Guinea Pigs 145 145 Hamsters Rabbits Non-human Primates 10. Sheep Pigs 12. Other Farm Animals ... 13. Other Animals **ASSURANCE STATEMENTS** 

FACILITY LOCATIONS (Siles)

- Professionally acceptable standards governing the care, freatment, and use of animals, including approvate use of anesthetic, analgesic, and franquilizing drugs, prior to, during. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Annual Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICE	ΛI.
(Chief Executive Officer or Legally Responsible Institutional Official)	

Legrify that the above is true, correct, and complete (7.0.5.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

(Replaces VS FORM 18-23 (OCT 88), which is obsolute in Classification

8180-00A-AN

This report is required by 13m (7 USC 2143). Follows to report according to the ingulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150.

FORM APPROVED

HIMITED STA	TES DEPARTM	ENT OF AGRIC	ULTURE
DINA JAMINA	PLANT HEALT	h inspection	1 SERVICE

1 REGISTRATION NO.

CMB NO 0579-0036 5/-R-0041 CMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

Include Zp Code)

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

3. REPORTING FACILITY (List bill locations where snumbs were housed or used in actual research, resting, teaching, or experimentation, or held for these phisposes. Attach additional shocks it increasury) shoets if necessary)

FACILITY LOCATIONS (Siles)

20 N. Pine St, Baldimon, MPHOD

Animals Covered By The Animal Wellure Regulations	B. Number of primats being accd, conditioned, or held for use in reaching, testing, experiments, research, or surgery but not yet used to such purposes.	C Number of synthesis upon which leaching, ratesich. experiments, or listis wire conducted invalving no pain, distress, of use of point relieving trugs.	O. Number of bininals upon which experiments, toaching, research, surgery, or tests were accompanying pain or distress to the atomosts and for which appropriate anesthetic, enalgests, or tranquilizing drugs were used.	Cossum or use APMS FORM 702.24.)  E. Number of animals upon which leaching. Experiments, research, surgery or tests were conducted involving accompanying pain or distress to the unimals and for which the use of uppropriate unesthetic, analysise, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An experiments aurgery, or tests. (An experiment of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	TOTAL NO OF ANIMAL  (Cols. C  D + E)
					0
I. Dogs			· ·		0
S. Cals					0
5. Guinea Pigs					0
7. Hammers			ļ		3
8. Rabbits					-2-
9. Non-human Primates		4			
				·	0
10. Sheep					1
11. Pigs					0
12. Other Farm Animals	<b> </b>				
					0
13. Other Animals					
					1

### ASSURANCE STATEMENTS

- Prolessionally acceptable standards governing the cate, frestinent, and use of animals, including approvide use of ancishetic, analgesic, and tranquitizing drings, prior to, downs, and following actual research, teaching, lesting, surgery, or experimentation were followed by this research facility
- 2) Euch principal investigator has considered attenuatives to pamilol procedures
- 3). This locity is addrsing to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and captained by the principal investigator and approved by the institutional Animal Care and USA Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarium by this tosesuch lacility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other basects of property care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

Chief Executive Officer	(Chief Executive Officer or Legally Responsible Institutional Official)   Certify that the above is true, correct, and complete (7 U.S.C. Section 2143)				
SIGNATURE OF C. ED.	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL				

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL CITY OF PHILL

DATE SIGNED

HIS FORM 7023 (AUG 91)

IT FOLOS VS FORM 18-23 (OCT 88), which is obsolute)

P.04/06

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USDA APHIS AC

DEC-98-1333 11:25

ANNUAL REPORT OF RESEARCH FACILITY

1. REGISTRAZIONEN SIR 0040

FORM APPROVED OMB NO 0579-0038

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) er Research Center, Inc.

4001 Millender Mill Road
College Park Campus
Reisterstown, MD 21136

Status: Active

(TYPE OR PRINT)

See Attached

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, traching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites)

llfacilities located at 4001 Millender

DEC 0 1 1999

ill Road, Reisterstown, MD 21136

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, Conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
. Dogs					0
Cats		• 🐥			0
Guinea Pigs					0
Hamsters					0
Rabbits			,		0
. Non-human Primates	,				0
0. Sheep	0	210	14		224
1. Pigs	4	0	52		52
2. Other Farm Animals			1		11
3. Other Animals		3 .			
				·	

SSURANCE STATEMENTS

- Professionally acceptable standards governing the care, freatment, and use of animals, including apprortate use of anisative, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered atternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and if has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Annial Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of annials affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

Ecertify that the above is trine, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

11/29/99

DATE SIGNED

APHIS FORM 7023 (AUG. 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolute)

(b)(b), (b)(7)(c)

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

# 1. REGISTRATION 19047 SIR004

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name

include Zip Code) Anmed/Biosafe, Inc. 7642 Standish Place College Park Campus-Rockville, MD 20855 Status: Active



3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)

7642 Standish Place Rockville, MD 20855

<u> </u>			<del></del>	cessary or use APHIS FORM 7023A)  E. Number of animals upon which teaching,	1
Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and lor which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	.0	0	0	0
6. Guinea Pigs	113	113	0	0	113
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	0	0	0
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
		2		. 1	
13. Other Animals	0	0	0	0	0
	·				
ASSURANCE STATEMENTS					

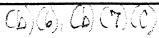
- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143) SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

10/26/9



SEP. CU ... Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

# 1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Biomedical Research Institute

12111 Parklawn Drive

-Californ Puris Compus

Rockville, MD 20852 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or	used in actual research, test	ing, teaching, or experimentation	n, or held for these purpose	s. Attach additional
sheets if necessary.)				

FACILITY LOCATIONS (Siles) See Attached Biomedical Research Institute (same as above)

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in feaching, festing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompunying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					:
7. Hamsters	145				145
8. Rabbits		8			8
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals			·		
·					
13. Other Animals					
		,			·
				•	

- Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(Chief Executive Officer o	QUARTES RESEARCH FACILITY OFFICIAL or Legally Responsible Institutional Official) true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF C.	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED 0-14-99
APHIC	1(b)(b), (b) (7)(c)	

(Replaces VS FORM T8/23 (OCT 88), which is obsolete)

@w

# 1. REGISTRATION NO.51 51R 0051

FORM APPROVED OMB NO: 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) Spring Valley Laboratories Inc.

1500 Fannie Dorsey Road

College Park Campus
Sykesville, MD 21784
Status: Active

DEC 0 6 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

96

Coo Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

DEPORT OF ANIMAL CHEER BY	OR HINDER CONTROL OF	E DESEADON FACILITÀ	(Alton additional about all as	cessary or use APHIS FORM 7023A.)	
A  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats		,			
6. Guinea Pigs		12			12
7. Hamsters					
8. Rabbits	469	217		,	686
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals		one			one
goat		·			
13. Other Animals	·				
	•				
	·				
ASSURANCE STATEMENTS					

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(Chief Executive Officer or Life to the life of the li	JARTES RESEARCH FACILITY OFFICIAL egally Responsible Institutional Official) correct, and complete (7 USC Section 2143)	
SIGNATURÉ OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	Γ

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11-30-97

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

## 1. REGISTRATION NO.54 SIROOS

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as regislered with USDA include Zip Code)
St. Joseph Medical Center

7620 York Road College Park Campus Towson, MD 21204

Status: Active

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held Tor these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY C	R UNDER CONTROL OF	RESEARCH FACILITY	' (Altach additional sheets if ne	ecessary or use APHIS FORM 7023A.)	
A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic; analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	·		•		
9. Non-human Primates					
10. Sheep					
.11. Pigs			217		217
12. Other Farm Animals					
,					
13. Other Animals					
1					
ASSUPANCE STATEMENTS		· · · · · · · · · · · · · · · · · · ·			

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

19-11-19

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete ).

result in an order to cease and desist and to be subject to penalties as provided for in Se	ction 2150. additional information.	0100-00A-AN
UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE  (1)	1 21-V-0022	FORM APPROVED OMB NO. 0579-0036
ANNUAL REPORT OF RESEARSH-FACILITY (TYPE OR PRINT)	a HEADQUARTERS RESEARCH FACILITY (Name and A include Zip Code)  SITEK Research Laboratorie - 15235 Shady Grove Road, Standard Rockville, Maryland 2085(	es uite 303
740		
REPORTING FACILITY (List all locations where animals were housed or used in actual res	earch, testing, teaching, or experimentation, or held for t	nese purposes. Attach additional

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)
SITEK Research Laboratories

FACILITY LOCATIONS (Sites)

15235 Shady Grove Road, Suite 303

Rockville, Marvland 20850

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits		28			28
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
				•	

### SSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

animal care and use.		
(Chief Executive Officer or	QUARTES RESEARCH FACILITY OFFICIAL  Legally Responsible Institutional Official)  Legally Responsible (7 U.S.C. Section 2143).	
SIGNÁTURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED 10-25-99

Interagency Report Control No 0180-DOA-AN

687

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

same as above

1. REGISTRATION NO.56

FORM APPROVED OMB NO: 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) acel Corporation

1330 Piccard

Status: Active

Rockville, MD 20850

NOV 1 9 1999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.) Number of C Number of D. Number of animals upon animals being animals upon experiments, research, surgery or lests were which experiments, which leaching, conducted involving accompanying pain or distress Animals Covered bred. teaching, research. conditioned, or to the animals and for which the use of appropriate By The Animal research. TOTAL NO. surgery, or lests were experiments, or held for use in anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS Welfare Regulations conducted involving have adversely affected the procedures, results, or teaching, testing, lesis were accompanying pain or experiments, interpretation of the teaching, research, conducted distress to the animals (Cols. C D + E) research, or experiments, surgery, or tests. (An explanation of involving no and for which appropriate the procedures producing pain or distress in these surgery but not pain, distress, or anesthetic, analogsic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were purposes. must be attached to this report). relieving drugs. 4. Dogs --N/A-----Cats 8 26 34 Guinea Pigs 7. Hamsters Rabbits .N∠A Non-human Primates .N∠∆ 10. Sheep n/a 11. Pigs N7A 12. Other Farm Animals 13. Other Animals **ASSURANCE STATEMENTS** 

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIA
11 CN CN CN CN	(Chief Executive Officer or Legally Responsible Institutional Official)
(a) (a) (b) (c)	I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)
SEC 8 48 11 11 11 1 1 1 1 1 1 1 1 1 1 1 1 1	

SIGNATURÉ OF C.E.O. OR INSTITUTIONAL OFFICIAL

INTRACEL Corporation, 1330 Piccard Dr. 20850 Rockville, MD

OR INSTITUTIONAL OFFICIAL True of Print

11-15-99

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO.

51-R-**0**057

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

Osiris Therapeutics., Inc.

2001 Aliceanna Street Baltimore, MD

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Osiris' main facility, Baltimore

Thomas D. Morris farm, Reistertown,

21231

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquihzing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMAL  (Cols. C + D + E)
4. Dogs	·	÷			
5. Cats					
6. Guinea Pigs				:	
7. Hamsters					
8. Rabbits	- 20 -	- 0 -	- 10 -	- 0 -	- 10 -
9. Non-human Primates					,
10. Sheep					
11. Pigs					
12. Other Farm Animals					
Goats	- 2-	- 0 -	- 142 -	- 0 -	- 142
13. Other Animals					
	. •				

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

		CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICE	ΑL
1500	115/5	(Chief Executive Officer or Legally Responsible Institutional Official)	
h h	(b)(7)(c)	I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)	

OF C.E.O. OR INSTITUTIONAL OFFICIAL

DATE SIGNED

11/29/99

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolute }

(b)(6), (b)(7)(c)

0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

51-R-0057 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Osiris Therapeutics, Inc. 2001 Aliceanna Street 21231 Baltimore, MD

## CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use this form ) Number of animals upon which teaching, C Number of D. Number of animals upon experiments, research, surgery or tests were B. Number of animals being conducted involving accompanying pain or distress animals upor which experiments, to the animals and for which the use of appropriate which leaching. TOTAL NO leaching, research. bred. Animals Covered conditioned, or research. surgery, or tests were anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS By The Animal have adversely affected the procedures, results, or experiments, or conducted involving held for use in Welfare Regulations leaching, lesting. lesis were accompanying pain or interpretation of the leaching, research, experiments, surgery, or tests (An explanation of conducted experiments, distress to the animals (Cols. C + D + E) the procedures producing pain or distress in these research, or and for which appropriate anyolving no animals and the reasons such drugs were not used must be attached to this report). pain, distress, or anesthetic, analgesic, or surgery but not yet used for such use of paintranquilizing drugs were 12 &/OR 13 Other purposes. relieving drugs (List by species)

- ASSURANCE STATEMENTS 1). Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of aniesthetic, analgesic, and tranquilizing drugs, prior to, during and following actual research, leaching, lesting, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report principal investigator and approved by the institutional administration of the exceptions, as well as the species and number of animals affected addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

animal care and use				•
11/12 11/16/16)	Chief Bunguliya A	HEADQUARTES RESEAR fficer or Legally Responsib above is true, correct, and complete (	CCH FACILITY OFFICIAL le Institutional Official) 7 U.S.C. Section 2143)	
SIGNATURE OF C.F.O. OR INSTITUTION			O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
SIGNATURE OF CO. OR INSTITUTE	-			11/29/99
APHIS FORM 7023A (AUG 91 )		(k)(6), (	b)(7)(c) PART	1 - HEADQUARTERS

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

1. REGISTRATION NO.58 SIR0058

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Stellar Bio Systems, Inc.

9075 Guilford Rd.

Suite 303 Columbia, MD 21046 Status: Active

DEC 02 1999

(TYPE OR PRINT) У \YK

See Attached

<ol><li>REPORTING FACILITY (List all locations where animals were housed or used in sheets if necessary.)</li></ol>	actual research, testing, teaching,	or experimentation, o	r held for these purposes.	Attach additional
since s in necessary.		<u> </u>		
FACI	LITY LOCATIONS (Siles)			

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach addictional sheets if necessary or use APHIS FORM 7023A) B. Number of E. Number of animals upon which teaching, C. Number of D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments, conducted involving accompanying pain or distress bred. **Animals Covered** which leaching, leaching, research, conditioned, or to the animals and for which the use of appropriate By The Animal research, surgery, or lesis were TOTAL NO Welfare Regulations anesthetic, analgesic, or tranquilizing drugs would held for use in experiments, or OF ANIMALS conducted involving leaching, lesting, have adversely affected the procedures, results, or tests were accompanying pain or experiments, interpretation of the teaching, research, conducted distress to the animals experiments, surgery, or tests. (An explanation of research, or involving no (Cols. C + D + E) and for which appropriate surgery but not the procedures producing pain or distress in these pain, distress, or anesthetic, analgesic, or yet used for such use of painanimals and the reasons such drugs were not used tranquilizing drugs were purposes. relieving drugs. must be attached to this report). used 0 4. Dogs 0 5. Cats 0 Guinea Pigs 0 7. Hamsters Rabbits ٥ Non-human Primates 0 10. Sheep 0 11. Pigs 0 12. Other Farm Animals ٥ 13. Other Animals **ASSURANCE STATEMENTS** 

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

	(Chief Executive Officer	DQUARTES RESEARCH FACILITY OFFICIAL or Legally Responsible Institutional Official) strue, correct, and complete (7 U.S.C. Section 2143).	
SIGNATU	DNAL OFFICIAL (b)(6)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
APHIS (A	(Replaces VS FORM 18-23 (OCT 88), which	15 obsolete ) (b)(b),(b)(7)(c)	

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NODS9 5/ROOS923

FORM APPROVED
OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip 6046) Advanced BioScience, Labs., Inc

5510 Nicholson Lane

Suite 303

Kensington, MD 20895

Status: Active

1636

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

See Attached

FACILITY LOCATIONS (Siles)

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of unimals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, feaching, research, surgery, or fests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or franquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accumpanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	16	.79	0	. 0	95
9. Non-human Primates	49	378	66	0	493
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals					
Goats	0	2	0	0	2
13. Other Animals		·			
	. <b>.</b>				

### SURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of aniesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

60000	🚬 🦟 📉 (Chief Executive Office)	ADQUARTES RESEARCH FACILITY OFFICIAL r or Legally Responsible Institutional Official) is true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF C.E.O. OR I	INSTITUTIÓNAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)  (b) (6)  (b) (7)	DATE SIGNED
APHIS FORM 7023	(Replaces VS FORM 18-23 (OCT 88), which	h is obsolete)	

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

## 1. REGISTRATION NO 60 5 1 R 00 60

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) and Biotechnology Center

MBCRF 1st Fl., South
725 W. Lombard St.
Baltimore, MD 21201
Status: Active

1647

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

See Attached PACILITY LOCATIONS (Siles)

DEC 0 1 1999

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs			19		19
5. Cats				,	
6. Guinea Pigs	23				23
7. Hamsters					
8. Rabbits	23				23
9. Non-human Primates	15	24			39
10. Sheep					•
11. Pias			10		10
12. Other Farm Animals			-		
13. Other Animals					
Mice	3300				
Rats	2700			7-	·
Ferrets		60			60

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquitizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This lacility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL. (Chief Executive Officer or Legally Responsible Institutional Official)  I certify that the above is true, correct, and complete (7 USC Section 2143)						
SIGN		NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	11/30/89			

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

# 1. REGISTRATION NOO61 SIROOG

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) Human Genome Sciences, Inc.

9410 Key West Avenue

725 W. Lombard St. Rockville, MD 20850

Status: Active

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

**FACILITY LOCATIONS (Siles)** 

See Attached April 9620 Medical Center Drive, Rockville, MD 20850

(the above is our only animal facility)

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMAL:  (Cois. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters	,	45			45
8. Rabbits					ļ
9. Non-human Primates				*	
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
	· •				

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use.

(b)(b),(b)(7)(c)	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)  1 certify that the above is true, correct, and complete (7 USC Section 2143)
	the state of the s

FFICIAL NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolute)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO.

FORM APPROVED

51-R-0063 OMB NO 0579-0036 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

PARC Starr Farm 1701 Starr Rd.

Queen Anne, MD 21657

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessury.)

FACILITY LOCATIONS (Sites)

PARC Pig Farm, Nagel Rd., Preston, MD 21655

Animals Covered By The Animal Welfare Regulations	B. Number of printed sprinted	C Number of onlinals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, feaching, research, surgery, or tasts were conducted hypothing accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which reaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the unimals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMAL: (Cols. C + D + E)
4. Dogs					0
5. Cais					0
6. Guinea Pigs					0
7. Hamsters					0
8. Rabbits					0
9. Non-human Primates					0
10. Sheep			·		0
11. Pigs		700			700
12. Other Farm Animals					0
Chickens		26000			2600C
13. Other Animals			,		0
Turkeys		000V			4000
<del>                                      </del>					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of unesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to paniful procedures
- 3) This tocility is admining to the attendands and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this respect fourthy has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of winal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is trie, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

7/000/9

APHIS FORM 7023 (AUG 91)

(Riplaces VS FORM 18-23 (OCT 88), which is obsolute) (A)(6)(6)(7)(2)

1. REGISTRATION NOO64

51-R-0064

FORM APPROVED OMB NO 0579-0036

HEADQUARTERS RESEARCH FAULLIS Include Zip GNATImmune Research, Inc. 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

-725 W. Lombord St.

Gaithersburg, MD 20878 Status: Active

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles) See Attached 15 FIRSTFIELD Road GAITHERSburg, MD 20878

REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of unimals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (COIS. C + D + E)
4. Dogs	-0-	34	-0-	-0-	3 <i>4</i>
5. Cats	-0-	-0-	-0-	-0-	-0-
6. Guinea Pigs	-0-	-0-	-0-	-0-	-0-
7. Hamsters	- 0-	-0-	-0-	-0-	0 -
8. Rabbits	8	150	- 6 -	- 0 -	158
9. Non-human Primates	-0-	-0-	-0-	- 0 - '	-0-
10. Sheep	- 0-	-0-	-0-	-0-	- 0-
11. Pigs	-0-	_0-	375	-0 -	375
12. Other Farm Animals	- · ·	-6-	-0-	-0 -	-0 -
	·				
13. Other Animals	-0.	-0-	-0-	-0-	-0-
	-				
Lacronia Statistics	<u> </u>	<u> </u>			

### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of unimals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- The attending vetermarian for this research facility has appropriate authority to ensure the provision of adequate vetermary care and to oversee the adequacy of other aspects anunal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

R INSTITUTIONAL OFFICIAL

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION 1003

14 R0002

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Gana-Farber Inc. Dana-Farber Cancer Institut

44 Binney St.

107 Service Building Bostop, MA 02115

Rm Smith 1170

Status: Active

Boston, Mass 02115

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Siles)

Redstone Bldg

Smith 11

Mayer 3

See-Attached

Smith 12

The same of the sa	<del></del>		f (Alfach adiditional sheets if n	ecessary or use APHIS FORM 7023A.)	
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMAL (Cols. C D + E)
4. Dogs	- 0 -	- o -	- 0 -	- 0 -	-0
5. Cats	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -
6. Guinea Pigs	108	10	98	- o -	-108-
7. Hamsters	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -
8. Rabbits	- 0 -	- 0 -	- 0 -	- 0	- 0 -
9. Non-human Primates	-0-	- 0 -	- 0 -	- 0 -	- 0 -
10. Sheep	-0-	- 0 -	- 0 -	- 0 -	- 0 -
11. Pigs	-0-	- 0 -	- 0 -	- 0 -	- 0 -
12. Other Farm Animals	-0-	- 0 -	- 0 -	- 0 -	- 0 -
13. Other Animals					
				/	
ASSURANCE STATEMENTS					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquitizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is trie, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS JORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolute )

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.04

14R0004

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

(())(())(())(())(())

299 E. Main Street 107 Service Building Norton, MA 02766

Status: Active

DEC 06 1999

101

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

FACILITY LOCATIONS (Sites)

See Attached					
REPORT OF ANIMALS USED B	Y OR UNDER CONTROL O	F RESEARCH FACILITY	f (Attach adiditional sheets if ne	ecessary or use APHIS FORM 7023A.)	
Animals Covered	B. Number of animals being bred, conditioned, or	C Number of animals upon which teaching,	D. Number of animals upon which experiments, teaching, research,	Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate.	F

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or lests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	7		412	<del>-</del>	419
5. Cats					
6. Guinea Pigs			4	<b>-</b>	4
7. Hamsters	_			-	-
8. Rabbits	186		1125	_	13//
9. Non-human Primates			_		
10. Sheep	6		43	_	49
11. Piqs	41		715	_	756
12. Other Farm Animals					
C HICKERS	6		12	_	18
13. Other Animals					
offosum	4 .		3 <sup>-</sup> 3		57

### **ASSURANCE STATEMENTS**

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL  (Chief Executive Officer or Legally Responsible Institutional Official)  1 certify that the above is true, correct, and complete (7 USC Section 2143)				
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED		
		11.22.59		

## FACILITY SITES LISTING

14 R0004

DEC 0 6 1999

Licensee/Registrant Name:	PINE ACRE RABBITRY/FARM
License/Registration Number:	14-R-004
Be sure to include all requests the line does not apply, please	at house animals under the above registration number. ed information. Do not leave any spaces blank. If e mark it N/A. If you have more than three (3) sites times as needed before filling in the sites.
Site No.: 1 Name/Department:	PINE ACRE RABBITRY/FARM
Address:	299 EAST MAIN ST.
	NORTON, MASS. 02766
Building:	MAIN BLDG.
Floor/Room:	lst.
Contact Person:	(b)(6),(b)(7) Phone No.
Site No.: Name/Department:	N/A
Address:	
Building:	
Floor/Room:	
Contact Person:	Phone No.:
Site No.: Name/Department:	N/A
Address:	
Building:	
Floor/Room:	•
Contact Person:	

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NOO6 14ROOCO

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Primedica Corporation

57 Union Street 107 Service Building Worcester, MA 01608 Status: Active

DEC 0 2 1999

102

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach actiditional sheets if necessary or use APHIS FORM 7023A) E. Number of animals upon which teaching, B. Number of C Number of D. Number of animals upon animals being experiments, research, surgery or tests were animals upon which experiments. conducted involving accompanying pain or distress bred, which leaching, **Animals Covered** teaching, research, conditioned or to the animals and for which the use of appropriate research. By The Animal surgery, or lests were TOTAL NO. held for use in anesthetic, analgesic, or tranquilizing drugs would Wellare Regulations experiments, or OF ANIMALS conducted involving teaching, testing, lesis were have adversely affected the procedures, results, or accompanying pain or experiments. conducted interpretation of the teaching, research, distress to the animals experiments, surgery, or tests. (An explanation of research, or involvina no (Cols. C + D + E) and for which appropriate surgery but not the procedures producing pain or distress in these pain, distress, or anesthetic, analgesic, or yet used for such use of painanimals and the reasons such drugs were not used tranquilizing drugs were purposes. must be attached to this report). relieving drugs. used. 175 412 587 4. Dogs 5. Cats Guinea Pigs 140 140 Hamsters 5 99 114 Rabbits 1455 Non-human Primates 969 486 6 6 10. Sheep 178 15 163 11. Pigs 12. Other Farm Animals 10 10 COWS 13. Other Animals

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL.

(Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

12/1/9

ASSURANCE STATEMENTS

additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

1. REGISTRATION NOTO 14 R0010

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Schepens Eye Research Institute, T

20 Staniford Street

107 Service Building Boston, MA 02114

Status: Active

į.

NOV 2 9 1999

(TYPE OR PRINT)

06

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional **FACILITY LOCATIONS (Sites)** 

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.) Number of Number of animals upon which teaching, Number of D. Number of animals upon animals being experiments, research, surgery or tests were animals upon which experiments. which leaching, conducted involving accompanying pain or distress **Animals Covered** bred. teaching, research, conditioned, or By The Animal research. to the animals and for which the use of appropriate surgery, or tests were TOTAL NO. Wellare Regulations held for use in anesthetic, analgesic, or tranquilizing drugs would experiments, or conducted involving OF ANIMALS teaching, testing, have adversely affected the procedures, results, or accompanying pain or experiments, conducted interpretation of the teaching, research, distress to the animals research, o on pnivlovni experiments, surgery, or tests. (An explanation of (Cols. C + D + E) and for which appropriate surgery but not yet used for such pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or use of painanimals and the reasons such drugs were not used tranquilizing drugs were purposes. must be attached to this report). relieving drugs. used Dogs 0 0 0 0 0 0 Cats 0 0 0 0 26 Guinea Pigs 0 Hamsters 0 0 6 n 8. Rabbits 210 285 Non-human Primates n Sheep 0 n Ω 0 0 0 0 0 11. Pigs 0 0 0 0 0 12. Other Farm Animals 13. Other Animals n n **ASSURANCE STATEMENTS** 

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7.0 S.C. Section 2143)

DATE SIGNED

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(b)(6),(6)(7)(c)

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.13

FLEM APPROVED

14 R 0013 CMB NO 05/9 0096
2. HEADQUARTERS RESEARCH FACILITY Plants and stations is confidented with USDA  $rac{modulo}{St.}rac{Code}{St.}$ Elizabeth's Med Center of Bost

736 Cambridge Street 107 Service Building Boston, MA 02135 Status: Active

11 NOV 0 8 1999

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additionalsheets if necessary.)

FACILITY LOCATIONS (Siles)

See Attached Center for Biomedical Research Building 720 Cambridge Street, Boston, MA 02135

Pine Acres Rabbitry/Farm 299 E. Main Street, Norton, MA 02766

REPORT OF ANIMALS USED BY			T		
A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of unimals upon which feaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or liests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgebic, or tranquilizing drugs were used.	Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquitizing drops would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests (An explanation of the procedures producing pain or distress in those animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL:  (Cols. C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	Ö	0
6. Guinea Pigs	0	00	0	0	00
7. Hamsters	0	00	0	0	00
8. Rabbits	12	0	415	0	427
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Prgs	0	00	0	0	0
12. Other Farm Ammals	0	0	0	0 -	Ö
13. Other Animals				,	
Rats	30	0	1,104	0	1,134
Mice	400	0	3,060	0	3,460
Gerbils	0	0	20	0	20

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analysis; and tranquitizing drugs, pror to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Fach principal investigator has considered alternatives to painful procedures
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Annual Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of annuals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Firefully that the above is time, correct, and complete (7.0.5 C. Section 214.))

SIGNATURE OF CETO, OR THIS TITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT-88), which is obsolete.).

1. REGISTRATION NO.14

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Appress, as registered with USDA unclude Zip Code) General Hospital Corporation

Status: Active

32 Fruit Street, BAR. 305 107 Service Building Boston, MA 02114-2796

See Attached

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these -purposes.	Attach additional
sheets if necessary )	
FACILITY LOCATIONS (Siles)	

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach admittantal sheets if necessary or use APHIS FORM 7023A) B. Number of C Number of E. Number of animals upon which teaching. Number of animals upon animals being animals upor experiments, research, surgery or tests were which experiments. conducted involving accompanying pain or distress **Animals Covered** bred, which leaching, leaching, research, to the animals and for which the use of appropriate conditioned, or By The Animal research. TOTAL NO. surgery, or lests were Welfare Regulations held for use in anesthetic, analgesic, or tranquilizing drugs would experiments, or conducted involving OF ANIMALS have adversely affected the procedures, results, or teaching, testing, lesis were accompanying pain or experiments, interpretation of the teaching, research, conducted distress to the animals research, or experiments, surgery, or tests. (An explanation of (Cols. C + D + E) involving no and for which appropriate surgery but not the procedures producing pain or distress in these pain, distress, or anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were purposes. relieving drugs. must be attached to this report). used. -0-90 -0--0-90 Dogs -0--0--0--0-Cats -0--0-67 -0--0-Guinea Pigs 67 -0-10 -0--0-10 Hamsters 208 409 -0--0-617 Rabbits -0-45 -0--0-45 Non-human Primates -0-328 -0--0-328 10. Sheep -0--0-106 -0-106 11. Pigs 12. Other Farm Animals Ducks -0-20 -0--0-20 13. Other Animals -0-46 -0--0-Goats 46

ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of ammal care and use

ار فاريا CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Ecertify that the above is true, correct, and complete (7.U.S.C. Section 2143) SIGNATURE OF CE DATE SIGNED COCCED OR INSTITUTIONAL OFFICIAL (7)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.16 14ROOLG

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
LCF Foundation, Inc.

41 Mall Road 107 Service Building Burlington, MA 01805

Status: Active

lin

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A) B. Number of C Number of E. Number of animals upon which teaching, Number of animals upon animals upon experiments, research, surgery or tests were animals being which experiments, conducted involving accompanying pain or distress which teaching, **Animals Covered** bred. leaching, research, conditioned, or to the animals and for which the use of appropriate research, TOTAL NO By The Animal surgery, or tests were anesthetic, analogsic, or tranquilizing drugs would held for use in experiments, or Welfare Regulations OF ANIMALS conducted involving have adversely affected the procedures, results, or teaching, testing, lests were accompanying pain or interpretation of the teaching, research, experiments, conducted distress to the animals (Cols. C + D + E) research, or involving no experiments, surgery, or tests. (An explanation of and for which appropriate the procedures producing pain or distress in these surgery but not pain, distress, or anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. usert 12 12 Dogs n/a Cats 1 Guinea Pigs n/a Hamsters 5 5 Rabbits 8. n/a Non-human Primates n/a Sheep 60 60 11. Piqs 12. Other Farm Animals Goats 8 8 13. Other Animals n/a

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is trive, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

10/8/99

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



(b)(b)(b)(7)(c)

**ASSURANCE STATEMENTS** 

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.17

4112

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
805.ton University

5 Cummington Street 107 Service Building Boston, MA 02215 Status: Active

ANNUAL	REPORT	OF	RESEARCH	FACIL	YTI.
	(TYP)	E O	R PRINT)		

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

Lab. Animal Care Facility

Biology

Psychology

See Attached

Biomedical Engineering

A	B. Number of	C Number of		ccessury or use APHIS FORM 7023A.)  E. Number of animals upon which teaching.	Υ
Animals Covered By The Animal Wellare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilitzing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters	10	46	80		126
8. Rabbits			1		1
9. Non-human Primates					
10. Sheep				· ·	
11. Pigs					
12. Other Farm Animals					
chickens	0	·	22		22
13. Other Animals					
gerbils	30		114	•	114
ferrets	6		70		70
bats		362			362

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, 1999 inquisizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

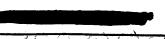
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/4/99

11/4/59



UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

# 1. REGISTRATION NOO18

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Cor(e) Massachusetts Institute of Technol

Office of Sponsored Programs

77 Massachusetts Avenue Cambridge, MA 02139 Status: Active

L NOV 0 8 1999

114

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

See Attached FACILITY LOCATIONS (Siles)

Buildings 68, 56, E17/18, E25

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	F.  TOTAL NO OF ANIMAL:  (Cols. C + D + E)
4. Dogs		00	0		0
5. Cats	·	0	61		61
6. Guinea Pigs		32	0		32
7. Hamsters		41	13		54
8. Rabbits		112	506		618
9. Non-human Primates		12	42		54
10. Sheep		0	0	:	0
11. Pigs		11	12		13
12. Other Farm Animals					
Ferrets		22	149		171
13. Other Animals					
Mice		8,688	52,864		61,552

- Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, feaching, festing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

10/20/99

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (Od

), which is obsolute



See reverse side for additional information.

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 14-R-0019 FORM APPROVED OMB NO. 0579-0036

HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with the USDA, include Sip Code)

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Harvard Medical School Ctr. for Animal Resources & Comparative Medicine 665 Huntington Avenue Boston, MA 02115 Status: Active

101

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these
purposes. Attach additional sheets if necessary.)

#### **FACILITY LOCATIONS (Sites)**

See attached.

See attached.

A.  Animals Covered By The Animal Welfare Regulations  12. &/OR 13, Other (List by Species)	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching research, experiments or tests were conducted involving no pain, distress, or use of pain relieving drugs.	D. Numbers of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report.)	F.  TOTAL NO.  OF ANIMALS  (Cois. C +  D + E)
4. Dogs	0	0	122	0	122
5. Cats	0	2	61	0	63
6. Guinea Pigs	0	0	6	0	6
7. Hamsters	. 0	359	1351	0	1710
8. Rabbits	0	171	318	0	489
9. Non-human Primates	1391	272	391	0	663
10. Sheep	0	0	260	0	260
11. Pigs	0	0	596	0	596
12. Other Farm Animals		<b>"我们是我们</b>			
Goats	0	0	49	0	49
13. Other Animals					
Chickens	0	1132	. 0	0	1132
Ferrets	0	3	102	0	105
Frogs	0	66	299	0	365
Gerbils	0	. 0	11	0	11
Mice (deer)	0	453	0	. 0	453

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2. Each principal investigator has considered alternatives to painful procedures.
- 3. This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4. The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)
I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL

DATE SIGNED

11/29/99

APHIS FORM 7023

(AUG 91)

Represe VS FORM 18-23 (OCT 88), which is obsolete.)

h)(6,6)(7)(c)

# **FACILITY SITES LISTING**

Licensee/Registrant Name:

Harvard Medical School

Center for Animal Resources & Comparative Medicine

License/Registration Number:

1

14-R-019

Please list below all sites that house animals under the above registration number. Be sure to include all requested information. Do not leave any spaces blank. If lines do not apply, please mark it N/A. If you have more than three (3) sites, please copy this form as many times as needed before filling in the sites.

Site No.:

Name/Department:

Center for Animal Resources

& Comparative Medicine (ARCM)

Address:

Boston MA 02115

Building(s): (a)

ARCM/Central - HSPH/Bldgs. I&II

Floor/Room:

665 Huntington Avenue

Contact Person:

Ground and Basement Levels

Phone Number:

(b) Building(s): ARCM/Seeley G. Mudd Bldg.

250 Longwood Avenue

Floor/Room:

Contact Person:

Phone Number:

Lower Level

Building(s): (c)

ARCMWarren Alpert Building

Floor/Room:

**Contact Person:** 

200 Longwood Avenue Lower Level

Phone Number:

(d) : **Building:**  ARCMHarvard Institutes of Medicine

77 Avenue Louis Pasteur

Lower Level

Floor/Room: Contact Person:

Phone Number:

Site No.:

Name/Department: 17

New England Regional Primate Research Center

Address:

One Pine Hill Drive

Building(s):

Southboro, MA 01772

Main Building and Three Out Buildings

Floor/Room:

Contact Person:

**Basement and Ground Floors** 

Phone Number:

all redactions (b)(6), (b)(7)(c)

# **FACILITY SITES LISTING**

Licensee/Registrant Name:

Harvard Medical School

Center for Animal Resources & Comparative Medicine

License/Registration Number:

14-R-019

Please list below all sites that house animals under the above registration number. Be sure to include all requested information. Do not leave any spaces blank. If lines do not apply, please mark it N/A. If you have more than three (3) sites, please copy this form as many times as needed before filling in the sites.

Site No.:

18

Name/Department:

USDA Registration No.:

Address:

Building:

Floor/Room:

Contact Person:

Phone Number:

ARCM/Thorn (satellite)

14-R-092

20 Shattuck Street, Boston MA 02115

Thorn Building

1.5th Floor

(6)(6)

(b)(7)(C)

Site No.:

21

Name/Department:

Pine Acres Rabbitry/Farm (satellite - swine/dog housing

only) 14-B-52

**USDA** Registration No:

Address:

Building:

Floor/Room:

Contact Person:

Phone Number:

299 East Main Street, Norton MA 02766

Main Building

First Floor

(b)(6)

(b)(1)(c)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

I. REGISTRATION NO.

14 R 00

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Codel Children's Hospital, The

300 Longwood Avenue

665 Huntington Avenue

→ NOV 1 5 1999

Boston, NA 02115 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Pine Acres Farm, Norton, MA

Animal Resources at Children's Hospital Boston, MA

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. Yan explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO.  OF ANIMALS  Cols. C +  D + E)
4. Dogs	0	0	54	. 0	54
5. Cats	0	0	3	0	3
6. Guinea Pigs	0 .	0	0	.0	0.
7. Hamsters	0	0	0 .	0	0
8. Rabbits	0	12	550	0	562
9. Non-human Primates	0	. 0	0	0	. 0
10. Sheep	.0	4	203	0	207
11. Pigs	0	<u> 1</u>	182	0	183
12. Other Farm Animals	0	0	<u> </u>	0	. 0
13. Other Animals					
			·		
					<del></del>

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This locility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of annuals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

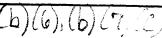
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)



UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. . 14-R-0021

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Code)
Northeastern University

360 Huntington Avenue

665 Huntington Avenue

Boston, MA 02115 Status: Active

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes." Attack 3ddifiônal sheets if necessary.)

FACILITY LOCATIONS (Sites)

Mugar Life Sciences Building

Richards Hall

Nightingale Hall

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMAL  (Cols. C +  D + E)
4. Dogs			:		
5. Cats					
6. Guinea Pigs					
7. Hamsters		310			310
8. Rabbits		5 2		·	52
9. Non-human Primates					
10. Sheep					
11. Piqs					
12. Other Farm Animals	,				
13. Other Animals		,			
TO. CHICI AHITIOS					
	,				

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FA	CILL	ΤY	OF	FIC	HAL.

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

ORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(AUG 91)

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO025

14R0025

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA,

include Zip Gode) oke Community College Veterinary & Animal Science 303 Homestead Avenue Holyoke, MA 01040

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles) See Attached

Holyoke Community College Kennel & D-Building

A.	B. Number of	C Number of		Cessary or use APHIS FORM 7023A)	
Animals Covered By The Animal Weltare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO.  OF ANIMAL:  (Cols. C +  D + E)
4. Dogs	,	4	4		8
5. Cats		5	5	,	10
6. Guinea Pigs		3			3
7. Hamsters		3			3 .
8. Rabbits		4	3		7
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
			•		
13. Other Animals			,	1	
Gerbils		1			1
		Ì			~ <del>- · · · · · · · · · · · · · · · · · · </del>

1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, feaching, testing, surgery, or experimentation were followed by this research facility.

- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

The state of the s			and many
NO BOOK	(Chief Executive Officer or I	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official), correct, and complete (7 USC Section 2143)	(4) (6) (b) (7) (c)
IGNATURE OF C.E.O. OR INSTITUTO	L OSE	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or	Print) DATE SIGNED

APHIS FORM 7023

(Heplaces VS FORM 18-23 (OCT 88), which is obsolete)

(AUG 91)

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Avant Immunotherapeutics, Inc.

119 Fourth Avenue

303 Homestead Avenue

DEC 0 1 1999

Needham, MA (02194)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Siles)

See Attached

FOURTH ANE, NEEDHAM

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
1. Dogs					
5. Cats					
6. Guinea Pigs		1		·	
<ul><li>7. Hamsters</li><li>8. Rabbits</li></ul>		56	89		145
9. Non-human Primates				. ,	
10. Sheep			1		
11. Pigs					
12. Other Farm Animals					
13. Other Animals					-

## ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the This facility is agriering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In principal investigator and approved by the maintained control of an object of the species and number of animals affected addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending vetermanian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Ecertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

OR INSTITUTIONAL OFFICIAL SIGNATURE OF C.E.O.

NAME & TITLE OF C.F.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/29/99

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO. 14R002

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) New England Aquarium

Central Wharf

NOV 1 8 1999

Boston, MA 02110-3399

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

**FACILITY LOCATIONS (Sites)** 

See Attached

Animal Care Center

A.  Animals Covered  By The Animal  Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquitizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					·
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
harbor seal	2	0	0	0	0
harp seal	4	0	0	0	0

# **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and franquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures.
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CERTIFICATION BY HEAD	QUARTES RESEARCH	FACILITY OFFICIAL
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(Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED 11/15/99

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-

188), which is obsolete)

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 14R0030

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Gode) Brandeis University

Grant, Contract & Patent Admin

P.O. Box 9110 Waltham, MA 02254-9110

Status: Active

NOV 04 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes.- Attach additional ... sheets if necessary.) Foster Biomedical Research Facility FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets it necessary or use APHIS FORM 7023A.) Number of animals upon which teaching, B. Number of C Number of Number of animals upon animals being experiments, research, surgery or lests were animals upon which experiments, which leaching, conducted involving accompanying pain or distress **Animals Covered** bred. teaching, research, to the animals and for which the use of appropriate conditioned, or By The Animal research. TOTAL NO. surgery, or lests were anesthetic, analgesic, or tranquilizing drugs would held for use in experiments, or Wellare Regulations conducted involving OF ANIMALS have adversely affected the procedures, results, or teaching, lesting, tests were accompanying pain or interpretation of the teaching, research, experiments, conducted distress to the animals research, or involving no experiments, surgery, or tests. (An explanation of (Cols. C + D + E) and for which appropriate surgery but not yet used for such pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or animals and the reasons such drugs were not used use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. Dogs Cats Guinea Pigs Ω 0 0 Hamsters 0 56 n Rabbits 0 Non-human Primates 0 10. Sheep 0 0 11. Pigs 0 O 12. Other Farm Animals 13. Other Animals **ASSURANCE STATEMENTS** 

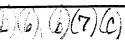
- Professionally acceptable standards governing the care, freatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, lesting, surgery, or experimentation were followed by this research facility
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4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the h

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143) SIGNATURE O DATE SIGNED NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) 10/29/99

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )



See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.31 14R003\

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code). Inc.

02139

38 Sidney Street P.O. Box 9110

Status: Active

Cambridge, MA 02139-4169

5 NOV 0 5 1999

127

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

FACILITY LOCATIONS (Siles)

OraVax, Inc., 38 Sidney Street, Cambridge, MA

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs			*		
5. Cats					
6. Guinea Pigs	·				
7. Hamsters	,				
8. Rabbits					
9. Non-human Primates					
10. Sheep			·		
11. Pigs				· · · · · · · · · · · · · · · · · · ·	
12. Other Farm Animals					
13. Other Animals					
Gerbils			299		299
		1			
ASSURANCE STATEMENTS					

#### SSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME OF THE OFFICE OF THE PROPERTY OF THE OFFICE OF THE OF

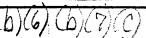
DATE SIGNED

10/29/99

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolete)



See reverse side for additional information.

MOV — 2 ISS9 Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

14R0037

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
 Forsyth Dental Center

drass as registered with USDA

Forsyth Dental Cente 140 The Fenway 512 Goodell Building Boston, MA 92115

_		
. REF	EPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attains	ch additiona
she	heets if necessary.)	

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Atlach adiditional sheets if necessary or use APHIS FORM 7023A)

A. B. Number of animals being animals being upon which experiments. P. Number of animals upon which experiments, research, surgery or lests were

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were	animals and the reasons such drugs were not used	F.  TOTAL NO. OF ANIMALS  (COIS. C + D + E)
	purposes.	relieving drugs.	used	must be attached to this report).	
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits ,		2,			2
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
			•		
13. Other Animals					
**************************************					

#### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL.

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

10/21/99

**APHIS FORM 7023** 

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(AUG 91)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

14R0041

FORM APPROVED

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zin Code)

include Zip Code)
Becker College

3 Paxton Street 512 Goodell Building

Leicester, MA 01524 NOV 0 8 1999

Status: Active

133

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held-for-these- purposes. Attach additional sheets it necessary.)

FACILITY LOCATIONS (Siles)

See Attached BECKER COLLEGE

LENFEST ANIMAL HEALTH BUILDING

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL:  (Cols. C + D + E)
i. Dogs	,	1	22		23
5. Cats		1	9		10
3. Guinea Pigs		8	0		8
7. Hamsters		0	0		. 0
3. Rabbits		6	0		6
9. Non-human Primates	>				
10. Sheep					
II. Pigs					
12. Other Farm Animals				·	1
				,	
13. Other Animals	<u> </u>			``	
·					

### ASSURANCE STATEMENTS

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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFIC	CIAL
Contract of the Contract of the Demonstrate Institutional Officia	.11

(Chief Executive Officer or Legally Responsible Institutional Officer or Legally Responsible (7115 C. Section 2143)

Ecertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

10/26/99

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(b)(6),(b)(7)(c)

See reverse side for additional information.

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

# 1. REGISTRATION NO.42 14 R 0042

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

include Zip Code) Cytogen Research and Development, 89 Bellevue Hill Road

512 Geodell Building
West Roxbury, MA 02132

Status: Active

122

See Attached

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)
 FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach admittional sheets if necessary or use APHIS FORM 7023A.) Number of C Number of D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments. conducted involving accompanying pain or distress bred. which leaching, Animals Covered teaching, research, conditioned or to the animals and for which the use of appropriate By The Animal TOTAL NO. surgery, or lests were anesthetic, analgesic, or tranquilizing drugs would held for use in Welfare Regulations experiments, or OF ANIMALS conducted involving have adversely affected the procedures, results, or teaching, testing, lesis were accompanying pain or experiments, interpretation of the teaching, research, conducted distress to the animals research, or experiments, surgery, or tests. (An explanation of involving no pain, distress, or (Cols. C + D + E) and for which appropriate surgery but not the procedures producing pain or distress in these anesthetic, analgesic, or vet used for such animals and the reasons such drugs were not used tranquilizing drugs were must be attached to this report). purposes. relieving drugs. used. 4. Dogs Cats Guinea Pigs 200 25 15 0 240 Hamsters Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and franquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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(Chief Executive Officer or	UARTES RESEANCING ACILITY OFFICIAL Legaffy logsponsible institutional Official) e, correct, and complete (7 USC Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
	(h)(6), (h) (7)(c)	11/30/99

APHIS FORM 7023 (AUG 91)

ASSURANCE STATEMENTS

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

# 14R0042

Site: 001

Brandeis University Foster Animal Facility 215 South Street Waltham, MA 02254 County: Middlesex Contact Person:

NE

(b)(6) (b)(7)(c)

Site: 002

Cytogen Research and Development, Inc. RECORDS ONLY

89 Bellevue Hill Road West Roxbury, MA 02132-6423

County: Suffolk

Contact Person:

NE

(a)(7)(c)

: 4.7

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.47

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA unclude Zip Code) Pharmaceuticals, Inc.

26 Landsdowne Street 512 Goodell Building

Cambridge, MA 02139 Status: Active

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, lesting, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Siles) See Attached

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO OF ANIMAL  (COIS. C. D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs	6				6
7. Hamsters					
8. Rabbits			57		57
9. Non-human Primates					
10. Sheep					
11. Pigs		-			
12. Other Farm Animals					
13. Other Animals					,
	·				

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

,	C	ERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(1)(A) (A) (A)	1.5	(Chief Executive Officer or Legally Responsible Institutional Official)

Ficertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

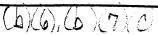
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)



UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

# 1. REGISTRATION NO050 4 R 005

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Codelon College

Office of Research Admin.

McGuinn Hall 600 Chestnut Hill, MA 02167-3811

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) McGuinn Hall Higgins Hall Boston College Boston College

			(Allach adiditional sheets if no	ecussury or use APHIS FORM 7023A.)	
A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	TOTAL NO OF ANIMALS (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters	·				
8. Rabbits		3			3
9. Non-human Primates					···
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, lesting, surgery, or experimentation were followed by this research facility.

  Each immediate investigator has considered alternatives to painful procedures. 0 R 1999
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of anunal care and use

666 Chy ?	// C   I certify that the above	ADQUARTES RESEARC er or Legally Responsible I is true, correct, and complete (7 U	Institutional ()fficial)		
SIGNATURE OF C.E.O. OR	NSTITUTIONAL OFFICIAL	NAME & TITLE		11()	DATE SIGNED
					11/30/99
APHIS FORM 7023 (AUG 91)	(Replaces VS FORM 18-23 (OCT 88), which	th is obsolete )	D(C), (D)(?	DADT . UF	NOOLIADTED®

Interagency Report Conrol No 0180-DOA-AN 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.52

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Blogen, Inc.

Development Operations 12 Cambridge Center Cambridge, MA (2002) Statusaj Adtive

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

Site I: Research Department

See Attached

	lding Bio V				
REPORT OF ANIMALS USED BY OF	R UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A.)	
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in feaching, festing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters			15		15
8. Rabbits					
9. Non-human Primates					
10. Sheep				·	· · · · · · · · · · · · · · · · · · ·
11. Pigs					
12. Other Farm Animals					,
·		,			
13. Other Animals			•		

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- This lacility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

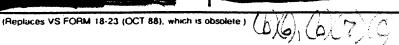
Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11-17-99

APHIS F (AUG-91)



See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.54

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

P.O. Box 58

58 S. Royalston Road Royalston, MA 01368

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

**FACILITY LOCATIONS (Siles)** See Attached

REPORT OF ANIMALS USED BY	OR UNDER CONTROL O	F RESEARCH FACILITY	f (Attach adiditional sheets if n	ecussury or use APHIS FORM 7023A)	
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits		272			272
9. Non-human Primates	·			NOV 1 5 1999	212
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals		7			7
ASSURANCE STATEMENTS					

## IRANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, lesting, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures.
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In principal investigator and approved by the manifestoric and case of the continues (neces). A summary of all such exceptions is accounted to this annual report addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolute )

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

# CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

PORT OF ANIMALS USED BY			(Attach adiktitional sheets if nec		F
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analyesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be effected to this report).	TOTAL NO OF ANIMAL  (Cols. C D + E)
(List by species)	parposa	7	useu.		7
D BUMIS					
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					-
					1
				OV 1 5 1999	
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					<del> </del>
			·		+
			<u> </u>		
	_				

# ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analysis, and tranquilizing drugs, prior to, during and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Ecertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023A (AUG 91)

PART I HEADQUARTERS

See Attached

(QP4 This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150.

See reverse side for additional Information

Interagency Report Control No 0180-DQA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 4R0056

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Codel Medical, Inc.

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

71 Rogers Street

State department

Cambridge, MA 02142

Status: Active

1. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, tracking, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drucs,	D. Number of animals upon which experiments, teaching, research, surgery, or lasts were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anisthetic, analgesic, or tranquillating drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs		•			
5. Cats					
6. Guinea Pigs		÷			
7. Hamsters					
8. Rabbits	·		60		60
9. Non-human Primates					
10. Sheep					
11. Pigs	·				<u> </u>
12. Other Farm Animals	·				
13. Other Animals		• •	,		

- 1) Protessionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquitizing drugs, prior to, during, and following actual research, leaching, festing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the rms required in a solution of the solutions of the institutional Animal Care and Use Conmittee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of amunal care and use.

(Chief Executive Officer or I	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) 6, correct, and complete (7 USC 1 action 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED

APHIS FORM 7023 (AUG 91)

**ASSURANCE STATEMENTS** 

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

1. REGISTRATION NO. 14-R-0057 14R005

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Virus Research Institute, Inc.

61 Moulton Street

58 S Royalston Road Cambridge, MA 02138 Status: Cancelled

NEC 0 1 1999

(TYPE OR PRINT)

.-See-Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

61 CAMBRIDG

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analysesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMAL.  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits		1			11
9. Non-human Primates					
10. Sheep					
11. Pigs		,			·
12. Other Farm Animals					
13. Other Animals					

## **ASSURANCE STATEMENTS**

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/29/99

**APHIS FORM 7023** (AUG 91)

(b)(b),(b)(7)(c)

DEC Memorit Control No

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

511

# ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

# **Ergo Science Development Corporation**

1. REGISTRATION, NO.

14-R-0060

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

Ergo Science Development Corporation 100 First Avenue Charlestown, Massachusetts 02129-2051

Status: Inactive

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

100 First Avenue, Charlestown, Massachusetts 02129-2051

	C	S SSSEADON SACILITY	M (AM - A m Air Minney of the color of the	BCBSSHY OF USE APHIS FORM 7023A.)	
A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures; results, or interpretation of the teaching, research.	TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters	0	o	approximately 200	0	200
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					-
			·		
ASSURANCE STATEMENTS					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(O) 1 CD

(Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is trim, correct, and complete (7 U.S.C. Section 2143)

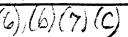
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)



See reverse side for additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

1. REGISTRATION NO. 14-R-0061

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Smith College

.Clark Science Center

DROMEROFS STREET, STRE

Northampton, MA 01063 Status: Active

(TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles) See Attached

A	B. Number of	C Number of	Y	ecessary or use APHIS FORM 7023A)  E. Number of animals upon which feaching.	T
Animals Covered By The Animal Wellare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or lests were conducted involving ino pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats		,			
6. Guinea Pigs					
7. Hamsters			559		559
8. Rabbits					
9. Non-human Primates	,				
10. Sheep					
11. Pigs					
12. Other Farm Animals					•
13. Other Animals				0.1999	
Ferrets		2	71	MON S. S. 1990	73
Chinchilla		1		BY:	1
white-footed mice		76			76

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
MINA MITHER	(Chief Executive Officer or Legally Responsible Institutional Official)
(6/6/6)/n	I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

additional information

0180 DOA AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

I. REGISTRATION NO. 14-R-0061 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code)

FORM APPROVED OMB NO. 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY ( TYPE OR PRINT)

Smith College Clark Science Center Northampton, MA 01063

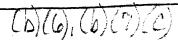
EPORT OF ANIMALS USED BY O	A UNDER CONTROL OF	RESEARCH PACIENT	(Attach adiditional sheets if neo	E. Number of animals upon which leaching,	F
Animals Covered By The Animal Welfare Regulations	B Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquitizing drugs were	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anisthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to (his report).	TOTAL NO OF ANIMAL (Cols. C D + E)
12 8/OR 13 Other (Ust by species)	purposes	relieving drugs	used	miss of single-	276
Deer mice	·	276			70
Prairie voles	121	70			39
Pine voles	75	39			
Meadow voles	47	51			51
					ļ
					<u> </u>
		,			
· .			50.00	2 1999	
				2 1999	
			(2)	NBA 3. 5 1222	
				Y:	+

### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of unesthetic analyses, and tranquilizing drugs, prior to, during and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report addition to identifying the IACUC-approved exceptions, this summary includes a tirel explanation of the exceptions, its well as the spix ies and number of animals affected
- 4) The attending votermarian for this research facility has appropriate authority to ensure the provision of adequate vetermary care and to oversee the adequacy of other aspects at animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Ecertify that the above is true, correct, and complete (7 U.S.C. Section 2143) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) SIGNATURE DE CE O OR INSTITUTIONAL OFFICIAL

APHIS FORM 7023A (AUG 91 )



UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

4R006.

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA 🕨, Millbrook ImmunoServ

P.O. Box 513

58 S. Royaloton Road 1730 S. East Street

Amherst, MA 01004

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

NOV 18

**FACILITY LOCATIONS (Siles)** 

See Attached

1380 So. East Street, Amherst, MA 01002

1210 Bay Road, Amherst, MA 01002

A	B. Number of	C Number of	D. Number of animals upon	ecessary or use APHIS FORM 7023A)  E. Number of animals upon which feaching.	-
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	TOTAL NO OF ANIMALS  (COIS. C + D + E)
4. Dogs			·		
5. Cats					
6. Guinea Pigs	•				
7. Hamsters		·			
8. Rabbits	206		181		181
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals				•	
	, ,				
13. Other Animals					
Goats	92				

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of ammals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/12/99

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

UNITED STATES CEASIMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

H-R.0063.

FORM APPROVED OMS NO 0579-0004

ANNUAL REPORT OF RESEARCH FACILITY 1999 (TYPE OR PRINT)

7. HEADQUARTERS RESCARCH PACH ITY IMAMO DAW COPYSE. - Section of was used include Zip Code!

Alpha Beta Technology Inc. 1 Innovation Dr. Wolcester MA. 01605

TO TOTAL THE STATE OF THE STATE AND A STATE OF THE STATE	earch, facting, 1976hing, or excentimetitation in light for there purposes. Attack additional
FACILITY LOCA	NONS (Silas)
	See above.

Animals Garand By the Animal Welfare Regulations	8. Number of animals being buil, conditioned, or neld for use in teaching, testing, experiments, research, or the series, building the series, building the series and the series are series and the series are series.	C Number of animals upon which leaching, research, axperiments, or tests were conducted involving to pum, ordress, or use of polin relieving drugs.	D. Number of animula upon which experiment, leaching, research, surgery, or leads were conducted involving accompanying pain or distress to the animals and line which appendicular tranquitation drugs were used.	E. Number at animals upon which teaching,  9/Number at animals upon which teaching,  9/Number at animals upon which teaching,  9/Number at animals and far which the use at appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,  9/NOTIFIANTA SIMPLY OF tests. (In replanding at Ind procedures producing pain or distruct in throps withings and the reasons such drugs were not used must be attached to this rapport).	F.  TOTAL NO.  OF ANIMALS  (CUIS. C.  D + E)
4. Dogs					0
5. Cats	J				Ö
6. Guinea Pigs	0				0
7. Hamsters	0				0
8. Rabbits	0		,		0
5. Non-numan Primates	0				
10. Sheep	0				0
11. Pigs	0				0
12. Other Farm Animals	.0				0
13. Other Animals	0				<u> </u>
The state of the s					0
					<del></del>
	<del> </del>				
ASSURANCE STATEMENTS	LL				

- 1) Professionally acceptable standards dimensing the cire, traditions, and use at any standard use of any states, and gests, and tranquillang drugs, prior to, during, and solitoring actual research, teaching, testing, surgery, or expensional work followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations for explained by the philistent investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals offenced.
- 4) The attending voterinarian for this research facility has attending to ensure the provision of adequate veterhiary care and to oversee the adequacy of other aspects of annual care and use.

Critic Executive Office I Gertify that the above	CADQUARTES RESEARCH FACILITY OFFICIAL or or Legally Responsible Institutional Official) c is true, correct, and complete (7 USC Suction 2143)	Clem D
SIGNATURE OF CO. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED

(AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )

See reverse side for additional information

Interagency Report Control No 0180-DOA-AN

721

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

**ANNUAL REPORT OF RESEARCH FACILITY** 

(TYPE OR PRINT)

1. REGISTRATION NO 14R0066

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Gode) taboratories, Inc.

323 Andover Street

58 9 Reyeleter Resel Wilmington, MA 01887

Status: Active

NOV 1 9 1999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) FACILITY LOCATIONS (Sites) See Attached REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.) Number of Number of D. Number of animals upon E. Number of animals upon which teaching, animals being experiments, research, surgery or tests were animals upon which experiments, **Animals Covered** bred. which teaching, conducted involving accompanying pain or distress teaching, research, conditioned, or By The Animal research, to the animals and for which the use of appropriate surgery, or lests were TOTAL NO. Welfare Regulations held for use in anesthetic, analgesic, or tranquilizing drugs would experiments, or conducted involving OF ANIMALS leaching, lesting, lesis were have adversely affected the procedures, results, or accompanying pain or experiments, interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of conducted distress to the animals research, or involving no (Cols. C + D + E) and for which appropriate surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or yet used for such use of painanimals and the reasons such drugs were not used tranquilizing drugs were purposes. must be attached to this report). relieving drugs. Dogs Cats Guinea Pigs 83 **4410** 7. Hamsters Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals **ASSURANCE STATEMENTS** 

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(Chief Execution of the Country the	BY HEADQUARTES RESEARCH FACILITY OFFICIAL ve Officer or Legally Responsible Institutional Official) the above is true, correct, and complete (7 USC Section 2143)	
S INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)  DATE SIGN	NED
FORM 7023 eplaces VS FORM 18-23 (00 (AUG 91)	1 88), which is obsolete) (6 (6 (6 (7 (2 )	19

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

# 1. REGISTRATION NO. 14R 0068

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Worcester Polytechnic Institute

100 Institute Road

Status: Active

-58 S. Royalston Road-Worcester, MA 01609

NOV 2 9 1999

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Atlach adjulitional sheets if necessary or use APHIS FORM 7023A) Number of animals upon which teaching, B. Number of C. Number of D. Number of animals upon experiments, research, surgery or tests were animals being animals upon which experiments, conducted involving accompanying pain or distress which leaching, Animals Covered leaching, research, to the animals and for which the use of appropriate By The Animal conditioned, or research TOTAL NO surgery, or tests were anesthetic, analogsic, or tranquilizing drugs would OF ANIMALS held for use in experiments, or Welfare Regulations conducted involving have adversely affected the procedures, results, or teaching, testing, lesis were accompanying pain or interpretation of the teaching, research, experiments, conducted distress to the animals experiments, surgery, or tests. (An explanation of (Cols. C + D + E) research, or involving no and for which appropriate the procedures producing pain or distress in these surgery but not pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were purposes. relieving drugs. must be attached to this report). Dogs Cats **Guinea Pigs** 6. Hamsters 0 7 7 0 0 Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals 111 111 0 0 rats 0

#### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

aninal care and use.		
(Chief Executive Officer or	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) e, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED 11/22/99

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete) (b)(6)(6)(7)(7)

See reverse side for additional information.

Interagency Report Control No.

FORM APPROVED

OMB NO. 0579-0036

0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

14-R-0070

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. Include Zip Code)

> Focal, Inc. 4 Maguire Road Lexington, MA 02421

# ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Silvs)

Focal, Inc., 4 Maguire Road

Lexington, MA 02421

A. Animais Covered By The Animal Wallare Regulations	B. Number of enimals being bred. conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of enimals upon which teaching, research, experiments, or tests were conducted involving no pole, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, recearch, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate enesthetic, analysis, or tranquilizing drups were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgosic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the resears such drugs were not used must be affected to this report.)	TOTAL NO. OF ANIMALS  (Cots. C + D + E)
4. Dogs					
5. Cais					
6. Guinea Pigs				·	
7. Hamsiers			·		
8. Rabbits	35		18		18
9. Non-human Primates					,
10. Sheep	·				
11. Pigs		<u> </u>			<del> </del>
12. Other Farm Animals					
13. Other Animals			,		<u> </u>
				·	<del> </del>

#### ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including apprortate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to paintul procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report investigator and approved by the institutional Animal Care and Use Committee (IACUC). and the acceptions of the manual report and the state of the summer of the state of
- 4). The attending veterinarian for this research lacility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O.

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolets.)



See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.71 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Gode) in Diabetes Center Inc. One Joslin Place

> Boston, MA 02215 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, festing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites) Elliot P. Joslin Research Laboratory

A	B. Number of	C Number of	D. Number of animals upon	cessary or use APHIS FORM 7023A.)  E. Number of animals upon which teaching.	F.
Animals Covered By The Animal Weltare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquitizing drugs were used	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMAL (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates	_	:			
10. Sheep					
11. Pigs	<u> </u>	321			321
12. Other Farm Animals				•	
13. Other Animals					

### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annnal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

11/23/99

SIGNATURE OF CE O OR INSTITUTION

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

APHIS FORM 7023 (AUG 91)

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

749

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.73

FORM APPROVED

74

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Gode) Capralogics, Inc.

315 Czeski Road

P.O. Box 236 Hardwick, MA 01037 Status: Active

NOV 1 9 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) FACILITY LOCATIONS (Siles) See Attached REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM 7023A) B. Number of C Number of Number of animals upon which teaching, D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments **Ammals Covered** bred. which leaching, conducted involving accompanying pain or distress teaching, research, conditioned, or By The Animal research. to the animals and for which the use of appropriate surgery, or lests were TOTAL NO held for use in anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or **Welfare Regulations** experiments, or conducted involving OF ANIMALS teaching, testing, experiments, lesis were accompanying pain or interpretation of the teaching, research, conducted distress to the animals research, or involving no experiments, surgery, or tests. (An explanation of and for which appropriate (Cols. C + D + E) surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were purposes. relieving drugs. must be attached to this report). used Dogs 5. Cats Guinea Pigs Hamsters 166 Rabbits 159 9. Non-human Primates 85 10. Sheep

### **ASSURANCE STATEMENTS**

12. Other Farm Animals

13. Other Animals

11. Pigs

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

Coso (6)	(Chief Executive O	( HEADQUARTES RESEARCH FACILITY OFFICIAL Officer or Legally Responsible Institutional Official) above is true, correct, and complete (7 USC Section 2143)	
SIGNATURE	ISTÍTUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICE OF Print)	DATE SIGNED
APHIS FORM 7023( (AUG 91)	(Replaces VS FORM 18-23 (OCT 88)	(6) (6) (7) (7)	

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NOOTS 14R0078

FORM APPROVED OMB NO. 0579-0038

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code)
Eunice Kennedy Shriver Center
200 Trapelo Road
P.O. Box 236
Waltham, MA 02254
Status: Active

138

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

See Attached

NEC 0 1 1999

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	. 0	. 0	0	0	0
8. Rabbits	0	0	0	0	0
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0 .	0	0	0	0
12. Other Farm Animals	. 0	0	0	0	0
13. Other Animals	0	0	0	0	0

#### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/24/99



Hele) / \ / \ / Ps / An

# 8. Name and Location of Each Research Reporting Facility

Eunice Kennedy Shriver Center for Mental Retardation, Inc. 200 Trapelo Road, Waltham, MA 4th floor

## SCIENCE EDUCATION PARTNERSHIP PROGRAM

Bracket Elementary School 180 Mountain Road, Arlington, MA

JFK Middle School 655 Lexington Street, Waltham, MA

Out Lady Comforter of the Afflicted 857 Trapelo Road, Waltham, MA

South Junior High School 510 Moody Street, Waltham, MA

Whittemore Elementary School 30 Parmenter Road, Waltham, MA

(Note: Mice and rats may be taken to these schools for teaching purposes)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NOOS1

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip GMTVersity of Massachusetts

> 600 Suffolk Street 2nd Floor South Lowell, MA 01854

Status: Active

DEC 0 1 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** See Attached

Center for Chronic Disease Control

Weed Hall, South Campus, UMass Lowell

A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMAL:  (Cols. C +  D + E)
4. Dogs					
5. Cats				·	
6. Guinea Pigs		35			35
7. Hamsters	600				600
8. Rabbits					
9. Non-human Primates					
10. Sheep	·				
11. Pias					
12. Other Farm Animals				,	
		,			
13. Other Animals				·	
Gerbils	48				48
					·
					···

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91)

eplaces VS FORM 18-23 (OCT 88), which is obsolute )

ANNUAL REPORT OF RESEARCH FACILITY

1. REGISTRATION NO83

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Rode England College of Optometry

424 Beacon Street

2nd Floor South Boston, MA 02115

Status: Active

(TYPE OR PRINT)

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.)

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs				- Line	
5. Cats				3 d 1822	
6. Guinea Pigs			1	NOA 3 0 1883	
7. Hamsters				·	
8. Rabbits					
Mu(mosts 9. Non-human Primates	14	Ö	21	0	
10. Sheep					
11. Pigs					
12. Other Farm Animals			-		
Chickens	52	0	348	0	
13. Other Animals			- ·		,
Rats	35	0	257	0	
CARL STATE CONT.					

### **ASSURANCE STATEMENTS**

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Ecertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

11/24/99

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.84

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) University

Medford Campus 2nd Floor South Medford, MA 02155 Status: Active

# ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles) See Attached

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	30	169	0	198
8. Rabbits	0	0	0	0	0
Non-human Primates	4	30	0	0 -	34
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals					
13. Other Animals					
Rats					1,274
Mice					1,429
Pigeons	0	53	0	0	53

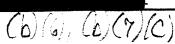
1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143) DATE SIGNED NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)



1. REGISTRATION NO. 14 - R - 0084 FORM APPROVED OMB NO. 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Tufts University

Medford, Campus, Grants & Contracts Admin. Packard Hall

Medford, MA 02155

		DESEABLH FACILITY	(Attach adulitional sheets if nec	essary or use this form )	
Animals Covered By The Animal Wellare Regulations	B Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments. teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate aniesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS (Cols. C + D + E)
(Usi by species)  Gerbils	0	0	20	0	20
Birds Starlings	25	0	25	0	50
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### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of aniesthetic, analgesic, and tranquilizing drugs, prior to, during and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
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- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Comunities (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Ecertify that the above is true, correct, and complete (7 U.S.C. Section 2143) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

DATE SIGNED

APHIS FORM 7023A (AUG 91 )

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 1. REGISTRATION 19085 14 R 0085

Status: Active

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Equice Biomedical, Inc.

Swine Unit #2 200 Westborough Road North Grafton, MA 01536

NOV 1 8 1999

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3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)
See, Attached

Swine Unit II, 200 Westboro Road

North Grafton, MA 01536

REPORT OF ANIMALS USED BY				cessary or use APHIS FORM 7023A.)  E. Number of animals upon which teaching.	F.
Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animats and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, appropriate surgery or tests. (An available of	TOTAL NO OF ANIMAL: (Cols. C + D + E)
4. Dogs					
5. Cats					<b> </b>
6. Guinea Pigs					
7. Hamsters			, , , , , , , , , , , , , , , , , , , ,		
8. Rabbits					
9. Non-human Primates					
10. Sheep			0,		94
11. Pigs	10		94		
12. Other Farm Animals					
13. Other Animals					
	<del> </del>				

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(b)(6), (b)(7)(C)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolete)

1. REGISTRATION NO. 14-R-0085 2. HEADQUARTERS RESEARCH FACILITY (Namu and Address as registered with USDA

FORM APPROVED OMB NO 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

( TYPE OR PRINT)

include Zip Codel Circe Biomedical, Inc.

Swine unit II 200 Westborough Road NOV 1 8 1999 Status: Swine Unit II

North Grafton, MA 01536

Active

1D6				or use this form !	
REPORT OF ANIMALS USED BY OF A Animals Covered By The Animal Welfare Regulations	B Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes	RESEARCH FACILITY  C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analyesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analysisic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research; expressions surgery, or tests. (An explanation of	F  TOTAL NO OF ANIMAL;  (Cols. C + D + E)
(List by species)	,				
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THE PARTY OF STATEMENTS					

- ASSURANCE STATEMENTS 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approximate use of anesthetic analysis. and tranquilizing drugs, prior to, dirring and following actual research, leaching, lesting, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful pricedures
- 3) This facility is adhering to the standards and regulations under the Act and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, us well as the statues and number of unimals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF CE O OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

Interagency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NOOS6

FORM APPROVED

14 R 0080 OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Galetek, Inc.

21-C Olympia Avenue

Woburn, MA 01801

290x Westborough XXXXX 175-H New Boston St.

4

Status: Active

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) FACILITY LOCATIONS (Siles)

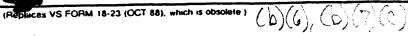
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM 7023A.) Number of animals upon which teaching, Number of Number of Number of animals upon experiments, research, surgery or lests were animals being animals upon which experiments. conducted involving accompanying pain or distress which leaching, bred. leaching, research, Animals Covered to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would TOTAL NO: conditioned, or research. By The Animal surgery, or lesis were OF ANIMALS held for use in experiments, or conducted involving Wellare Regulations have adversely affected the procedures, results, or teaching, testing. lesis were accompanying pain or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of conducted experiments. distress to the animals (Cols. C + D + E) research, or involvina na and for which appropriate the procedures producing pain or distress in these surgery but not pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. used. 4. Dogs Cats 5. Guinea Pigs Hamsters 117 26 91 8. Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals 138 26 112 Rats 184 184 Mice

### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquitizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research lacility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the inis facility is agnering to the standards and regularizate under the Act, and it has required that exceptions to the standards and regulations of specified and explained by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use

(Chief Executive Officer or 1 certify that the above is true	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) a, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
		11/29/99

APHIS FORM 7023 (AUG 91)



**ANNUAL REPORT OF RESEARCH FACILITY** 

(TYPE OR PRINT)

1. REGISTRATION 19089 14R 008

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Boston Biomedical Research Institu

20 Staniford Street

200 Westborough Read Q Boston, MA 02114 Status: Active

NOV 29 1999

516

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

See Attached FACILITY LOCATIONS (Siles)

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely allected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	Ô	0	0	0
6. Guinea Pigs	0	124	0	0	124
7. Hamsters	0	0	0	0	0
8. Rabbits	0	11	5	0	16
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	. 0	0	0
12. Other Farm Animals		,			
Ferrets	0	136	0	0	136
13. Other Animals					
				·	

- Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and franquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(b)(6),(b)(2)(c)	(Chief Executive Officer or	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) e, correct, and complete (7 USC Section 2143)	
SIGNATURE OF C.E.	LOFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED 11/23/99

1. REGISTRATION NOOPO 14

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code) Nount Ida College 777 Dedham Street 200 Westborough Road Newton Centre, MA 02159

Status: Active

.. NOV 0 5 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles) See Attached newton, MA 02459

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs			32		32
5. Cats			/2		12
6. Guinea Pigs					·
7. Hamsters			6		- 6
8. Rabbits			6	<u> </u>	6
9. Non-human Primates					
10. Sheep				· · · · · · · · · · · · · · · · · · ·	
11. Pigs					
12. Other Farm Animals					
13. Other Animals					

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143) **DATE SIGNED** NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL 10/26/99

(b)(b), (b)(c)(c)

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 14-R-0092 FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with the USDA, include Sip Code)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Brigham & Women's Hospital 75 Francis Street Boston, MA 02115 Status: Active

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

## FACILITY LOCATIONS (Sites)

See attached.

See attached.

A. Animals Covered By The Animal Welfare Regulations  12. &/OR 13. Other (List by Species)	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching research, experiments or tests were conducted involving no pain, distress, or use of pain relieving drugs.	D. Numbers of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report.)	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
1. Dogs	0	0	58	0	58
5. Cats					
6. Guinea Pigs	0	111	1094	0	1205
7. Hamsters	0	4	734	0	738
3. Rabbits	. 0	13	1004	0	1017
9. Non-human Primates	0	0	46	0	46
10. Sheep	0	0	0	0	0
11. Pigs	0	0	208	. 0	208
12. Other Farm Animals					
Goats	0	0	3	0	3
13. Other Animals					
Frogs	0	0	15	0	15

### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- Each principal investigator has considered alternatives to painful procedures. 2.
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

SIGNATURE OF

OR INS

NTUTIC

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL

**DATE SIGNED** 11/29/99

Brigham & Women's Hospital 10 Vining Street, Boston, MA 02215

1.11/1 12/10/10

# **FACILITY SITES LISTING**

Licensee/Registrant Name:

Brigham & Women's Hospital

License/Registration Number:

1

14-R-0092

Please list below all sites that house animals under the above registration number. Be sure to include all requested information. Do not leave any spaces blank. If lines do not apply, please mark it N/A. If you have more than three (3) sites, please copy this form as many times as needed before filling in the sites.

Site No.:

Name/Department:

Center for Animal Resources & Comparative Medicine (ARCM)

ARCM/Thorn Building - 20 Shattuck Street

at Brigham & Women's Hospital

Address:

Boston, MA 02115

(1) Building:

Floor/Room:

Contact Person:

Phone Number:

20 Shattuck Street - 16th Floor

(2) Building:

Floor/Room:

Contact Person:

Phone Number:

ARCM/Longwood Medical Research Center (LMRC)

220 Longwood Avenue - Ground Level

(3) Building:

Floor/Room:

Contact Person:

Phone Number:

ARCM/Massahusetts College of Pharmacy (MCP)

One Palace Road - Lower Level

Site No.:

3 Name/Department:

USDA Registration No:

Address:

Building:

Floor/Room:

1 1001/100111.

Contact Person:

Phone Number:

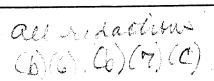
Pine Acres Rabbitry/Farm (SATELLITE)

14-B-0052

299 East Main Street, Norton MA 02766

Main Building

First Floor



# **FACILITY SITES LISTING**

Licensee/Registrant Name:

Brigham & Women's Hospital

License/Registration Number:

14-R-092

Please list below all sites that house animals under the above registration number. Be sure to include all requested information. Do not leave any spaces blank. If lines do not apply, please mark it N/A. If you have more than three (3) sites, please copy this form as many times as needed before filling in the sites.

Site No.:

Name/Department:

USDA Registration No.:

Address:

Building:

Floor/Room: Contact Person:

Phone Number:

HMS/ARCM - Seeley G. Mudd (SATELLITE)

14-R-019

250 Longwood Avenue, Boston MA 02115

Seeley G. Mudd Building

Basement Level

Site No.:

7 Name/Department:

USDA Registration No.:

Address:
Building:
Floor/Room:
Contact Person:

Phone Number:

HMS/ARCM - Central (SATELLITE)

14-R-019

665 Huntington Avenue, Boston MA 02115 Harvard School of Public Health - Bldg. II

Ground and Basement Levels

Site No.:

8 Name/Department:

USDA Registration No.:

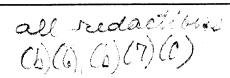
Address:
Building:
Floor/Room:
Contact Person:
Phone Number:

HMS/ARCM - HIM (SATELLITE)

14-R-019

77 Avenue Louis Pasteur, Boston MA 02115

Harvard Institutes of Medicine Ground and Basement Levels



# ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO096

14R009

FORM APPROVED OMB NO 0579-0036

desagistered with USDA ....

2. HEADQUARTERS RESEARCH FACILITY (Name and Address include Zip Code Hospital Corporation

115 Mill Street

-200 Westborough Road- DELETE

Belmont, MA -02178- CORRECT: O

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Sites)

McLean Hospital Core Animal Facility (MRC Ground, Oaks II, Oaks IV)

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leading experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analogsic, or tranquilizing drugs would have adversely affected he procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL  (Cols. C + D + E)
4. Dogs					N/A
5. Cats					N/A
6. Guinea Pigs			:		N/A
7. Hamsters					N/A
8. Rabbits	-0-	-0-	-0-	-0-	-0-
9. Non-human Primates	-0-	-0-	134	-0-	134
10. Sheep					N/A
11. Pigs					N/A
12. Other Farm Animals					N/A
13. Other Animals	Rats and	mice not c	overed by these	reporting requirements	
	· .				
ASSURANCE STATEMENTS					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, feaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of anunal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Prii

DATE SIGNED

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

1. REGISTRATION NO. 14 R 0096 2. HEADQUARTERS RESEARCH FACILITY (Name and Address as registered with USDA

FORM APPROVED OMB NO 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT 115 Mill Street OF RESEARCH FACILITY Belmont, MA 02478 ( TYPE OR PRINT)

McLean Hospital Corporation

NOV 0 2 1999

( TTT L OILT TIME)			1	BY:			
			rene administrative	els il nocossary or use (his lurm )			
REPORT OF ANIMALS USED BY OR  Animals Covered By The Animal Wellare Regulations	UNDER CONTROL OF  B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not	RESEARCH FACILITY  C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or	which experiments teaching, research, surgery, or tests w conducted involving accompanying pail distress to the anil and for which uppor anesthetic, analger	conducted involving accumpanying pain or distress to the animals and fix which the use of appropriate aniesthetic, analysis, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these signs of the great the massins such drugs were not used.)	TOTAL NO OF ANIMALS  (Cols. C + D + E)		
12 &/OR 13 Other (Ust by species)	yet used for such purposes	use of pain relieving drugs	tranquilizing drugs used	swere must be attached to this roports  ————	-0-		
Rabbits	-0-	-0-	-0-	-0-	134		
Non-human	-0-	-0-	134	_0_			
primates							
			G.,				
				The second secon	+		
				1001 0 1999			
				₩ NOV 2. 2. 1999			
				BY:			

# ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic unalgest, and tranquilizing drugs, prior to, during and following activid integrably teaching testing, exceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic unalgest, and tranquilizing drugs, prior to, during and following actual research, leaching, lesting, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to paintiff procedures
- 3) This facility is adhering to the standards and regulations under the ACL and it has required that exceptions to the standards and regulations are explained by the This facility is adhering to the standards and regulations under the ACL and it has required that exceptions to the standards and regulations be specified and expended by the first tuboral Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. principal investigator and approved by the institutional knimal care and use committee (IACUC). A summary of all such exceptions is attached to this animals affected addition to dentifying the IACUC-approved exceptions, this summary includes a titled explanation of the exceptions, us well as the spin-les, and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of oldequate veterinary dare and to oversee the adequacy of other aspects of named case and use

unimal care and use	DOUGH HOUSE ACTUATY OFFICIAL
	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
•	(Chief Executive Officer or Legarty Responsible Clus C. Section 2143)
(1) (1) (1) (7) (C)	I certify that the above is true, correct, and complete (
	SO INSTITUTIONAL OFFICIAL (T

161 DILL SIGNATURE OF CEO OR INSTITUTIONAL OFFICIAL NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Title or Print)

DATE SIGNED

APHIS FORM 7023A (AUG 91)



Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATUON NOTO1

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip F849kon Corporation

15 Wiggins Ave

- 200 Westborough Road Bedford, MA 01730

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) FACILITY LOCATIONS (Siles)

\*\*\*\*\*

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompunying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMAL (Cols. C D + E)
4. Dogs	-0-	-0-	-29-	-0-	-29-
5. Cats	-0-	-0-	-0-	<b>-0-</b>	-0-
6. Guinea Pigs	-0-	13751	-0-	-0-	13751
7. Hamsters	-0-	138	-0-	-0-	138
8. Rabbits	-0-	1088	362		1450
9. Non-human Primates	-0-	-0-	-0-		0
10. Sheep	-0-	-0-	-0-	-0-	-0-
11. Pigs	-0-	-0-	4	-0-	4
12. Other Farm Animals	-0-	-0-	-0-	-0-	-0-
13. Other Animals	-0-	-0-	-0-	-0-	-0-
•	· · · ·				

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquitizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

E OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

ORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(6), (6)(P)(C)

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to coase and dasist and to be subject to penalties as provided for in Section 2150.

See reverse side for additional information. Interagency Report Control No 0180-DOA AN

FORM APPROVED

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NOTOL 2. HEADQUÂRTERS RESEARCH FACILITY (Numa and Addross, as registered with USDA

OMB NO. 0579-0036

include DD BS/State Hedical Center

759 Chestnut Street 200 Westborough Road Springfield, MA 01199

Status: Active

1. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sneels if necessory.)

FACILITY LOCATIONS ISHOW

I miversity of I basachusetta Messachusetta Medical Center

15 Lake Ave. North Worcester Mass. 01655

See Attached

Ammuls Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving eccompanying pain or distress to the unimals and for which appropriate anesthetic, analgesic, or tranquillzing drugs were used.	E. Number of use APHIS FORM /0234)  E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accumpanying pain or distress to the unimots and to which the tirs of appropriate anestinetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affeched to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
. Dogs	0	0			
Cais	0	0			
. Guinea Pigs	0	0			-
. Hamslers	0	0		3	
, ·Rabbits	0	0			<del> </del>
. Non-human Primales	0.	0			· · · · · · · · · · · · · · · · · · ·
0. Sheep	0				25
1. `Pigs	0		25		23
2. Other Farm Animals	0	0		·	
3. Other Animals	0	•			,

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analysis, and tranquilizing drugs prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to paintul procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Apintal Care and Use Committee (IACUC). A auminary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this auminory includes a tirel explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attention veterinarion for this research facility has oppopulate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of unimal care and 1150.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I dentify that the above is time, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)

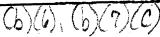
DATE SIGNED

12/03/99

PHIS FORM 7023

IIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(Replaces VS FORM 18-23 (OCT 88), which is obsolute ).



Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NOTO7

FORM APPROVED OMB NO 0579-0036

14 RO10 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code Center for Blood Research, The

800 Huntington Avenue

200-Nossbargaristadd Boston, MA 02115 Status: Active

... NOV 0 9 1999

sheets if necessary.)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these- purposes. Attach additional...

FACILITY LOCATIONS (Siles)

See Attached

A.  Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
. 0	0	0	0	0	0
4. Dogs	0	0	0	0	0
5. Cats	0	0.	0	0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	0	0	0
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
<ul><li>11. Pigs</li><li>12. Other Farm Animals</li></ul>	0	0	0	0	0
13. Other Animals	0	0	0	0	0
	·				

## ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

32 Tozer Road, Beverly, MA

1. REGISTRATION NOTOS

14R0108

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) England Biolabs, Inc.

32 Tozer Road

Beverly, MA 01915

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

See Accidity Locations (Siles)

REPORT OF ANIMALS USED BY (	B. Number of	C Number of		E. Number of animals upon which teaching.	
Animals Covered By The Animal Wellare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	onlimate upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely allected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	0	0	. 0
5. Cats	. 0	0	0	0	0
6. Guinea Pigs	. 0	0	0	0	0
7. Hamsters	0 .	0 .	0	0	0
8. Rabbits	0	0	0	0	0
9. Non-human Primates	. 0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals	0	0	0	0	0
			• •		
			• •		

### SSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL.

(Chief Executive Officer or Legally Responsible Institutional Official)

Legally that the above is time, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

9/15/99

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(b)(6),(b)(2)(c)

additional information

Interagency Repo 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO 109 4R0100

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

> -200 Westborough Road Norton, MA 02766

Status: Active

East Main St

	<del></del>	
3. REPORTING FACILITY (List all locations where animals were housed or used in actual re	service tecting teaching or experimentation or held for these purposes. A	trach additional
3. NEPORTING PACIETY (EIST all locations where animals were housed or deed in action in	search, resting, reaching, or experimentation, or held for these purposes.	110011 00011101101
about 18 common to		
sheets it necessary.)		
· · · · · · · · · · · · · · · · · · ·		

**FACILITY LOCATIONS (Siles)** See Attached

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach admittened sheets if necessary or use APHIS FORM 7023A) E. Number of animals upon which teaching, B. Number of C Number of Number of animals upon experiments, research, surgery or tests were animals being animals upon which experiments. conducted involving accompanying pain or distress bred. **Animals Covered** which leaching, teaching, research, to the animals and for which the use of appropriate conditioned, or research. TOTAL NO. By The Animal surgery, or tests were anesthetic, analgesic, or tranquilizing drugs would Welfare Regulations held for use in experiments, or OF ANIMALS conducted involving have adversely affected the procedures, results, or interpretation of the teaching, research, teaching, testing, lests were accompanying pain or experiments. conducted distress to the animals experiments, surgery, or tests. (An explanation of research, or involving no pain, distress, or (Cols. C + D + E) and for which appropriate surgery but not the procedures producing pain or distress in these anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were must be attached to this report). DUIDOSES. relieving drugs. used. Dogs Cats Guinea Pigs Hamsters 8. Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals

# **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to pamful procedures.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

			CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
n - 11.			(Chief Executive Officer or Legally Responsible Institutional Official)
h 1/1	/ 1	101/03	Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED 1/19/99

Wheaton College, Norton, MA 02766

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(Replaces VS FORM 18-23 (OCV 88), which is obsolete )

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

1. REGISTRATION NO 12

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Grie ehead Inst. for Biomedical Res

Nine Cambridge Center

200 Hestborough Road Cambridge, MA 02142

Status: Active

MOV 0 8 1999

(TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites) See Attached Same as item 2

REPORT OF ANIMALS USED BY	OR UNDER CONTROL OF	F RESEARCH FACILITY	(Attach adiditional sheets if ne	ocessary or use APHIS FORM 7023A)	
A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred. conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	anestnetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of	OTAL NO FANIMALS Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters			•		
8. Rabbits	,				
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals		·			·
13. Other Animals					
Mice		3,106	14,077	17,	483
Rats			35		35
Frogs		518		51	.8
ASSURANCE STATEMENTS					

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

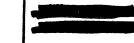
C	ERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL	i.
	(Chief Executive Officer or Legally Responsible Institutional Official)	

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

SIGNATURE OF C.E.O.



This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150.

See roverse side for additional information Interagency Report Co 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRAFACH NO 12

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip GNYTehead Inst. for Biomedical Res

Nine Cambridge Center

200 Neethorough Road

Cambridge, MA 02142 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

See-Atteched Same as item 2

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred. conditioned, or held for use in teaching, testing, experiments. research, or surgery but not yet used for such purposes.	C Number of animals upon which reaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-releving drugs.	O. Number of minimals upon which experiments, teaching, research, surgery, or lesis were acconducted involving accompanying pain or distress to the animals and for which appropriate emesibetic, analogosic, or tranquisizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	F. TOTAL NO. OF ANIMALS (Cols. C * D + E)
4. Dogs		·			<u>:</u> _
5. Cals					
5. Guinea Pigs	·				
7. Hamsters					
8. Rabbits		L		on the Annual Report for MIT	<u> </u>
9. Non-human Primates		because t	ne animals were	housed there	
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
Mice		3,106	14,077		17,483
Rats	·		35		35
frogs		518			518

Professionally acceptable standards governing the care, freatment, and use of animals, including appropriate use of anisthetic, analysis, and tranquilizing drugs, prior to, during, and following actual research, leaching, firsting, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to pointul procedures.

3). This likelity is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In adultion to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4). The attending volcturarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of seri bne srep lentine

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

Exertity that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF OR INSTITUTIONAL OFFICIAL NAME & TITLE OF C.EO. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

Interagency Report Control No 0180-DOA-AN

1792

See Attached

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

FORM APPROVED

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Mount Holyoke College

50 College St.

200-Heatherough Bead

South Hadley, MA 01075-64186661 6 T AON

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

A :	B. Number of	C Number of		cessary or use APHIS FORM 7023A.)  E. Number of animals upon which feaching.	T
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMAI (Cols. C D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters		160			160
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					•
12. Other Farm Animals					
13. Other Animals					

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
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- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

Ficertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

PAGE

O180-DOA AN

UNITED STATES DEPARTMENT OF ACRICULTURE
AMUNAL AND PLANT HEALTH INSPECTION SERVICE

I. REGISTRATION NO. 14-R-0116 14R0116 Z. HEADQUARTERS RESEARCH FACILITY (Mump and ARE)

PORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Genetics Institute, Inc 87 Cambridge Park Drive Cambridge, MA 02140

I REPORTING FACILITY (Lest all locati used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional Site #1 and #2 Active

FACILITY LOCATIONS (SHOC)

See Attached

DEC 0 1 1999

Asimale Covered By The Asiasi Welture Regulations	8. Number of anymote brent brent, conditioned, or held for one in teaching, lessing, enpersones, remarch, or surgery but not yet add for such purposes.	G Number of animate upon which leaching, redorich, experimental, or bests who conducted sevolving to pain, distress, or are of pain-releving drups.	D. Mumber of amenuty upon which imperinguits, heaching, injunance, 1940-197, or fests were conducted amenions or offstrings for the amenuty and for which papersonal amenions, analysist, or translating drugs were listed.	E. Number of animats upon which tracking, asperments, research, strighty or texts were conducted involving accompanying pale or desires to the animals and for lendon the use of appropriate annatural, enolysis, or tranquisting drups would have adversely affected the procedures, results, or interportation of the leading, research, experienteds, surgery, or lends, the unphrashed of the procedures in these animals and the research such drugs were not used mean animals and the research such drugs were not used mean me attached to the reports.	S. TOTAL NO. OF ANNAL (COME. C. D + E)
Dogs			38		38
Cas			110		110
. Guines Pigs		10		•	10
. Hamsters		5			5
Rabbits		ğ	401		410
, Non-human Primates	33		71		71
8. Sheep					
1. Pigs	· .				
2. Other Farm Animals					
3. Other Animals					•
		7			

- everning the Gare, treatment, and use of animals, including approvide use of anesthetic, analystic, and trenquilizing drugs, point to, Guring, g, totaling, accounty, or experimentation were tollared by this research lackity
- 2) Eisch principal investigator has nonsidered alternatives to patellal procedures
- This facility is adhering to the standards and regulations under the Act, and it has required that onceptions to the standards and regulations of specified and explained by the principal investigator and approved by the instantional Asimal Care and Use Committee (IACUC). A culturary of all such exceptions is attached to this annual report. Its addition to identifying the IACUC approved exceptions, the substitute which exceptions is attached to this annual report. Its
- The attending volumentins be this research locality has appropriate and care and use or the population of expedience vertexings, come and to compare the adequacy of other aspects of

(b)(6),(b)(7)	Chief Executive (	Y HEADQUARTES RESEARCH FACILITY OFFICIAL. Officer or Legally Responsible Institutional Official) tabove is love, correct, and complete (7 USG Sq.:100) 2143)	
SIGNATU	TON'S OFFICIAL A	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	11/30/99
AP) G 91)	FORM 18-23 (OCT M	)). WHICH IS ODDONNIA; (b) (b) (7) (c)	

# 14 RO116

# **Attachment**

Site: 001

Status: Active

Genetics Institute, Inc.

Laboratory Animal Resources

50 Cambridge Park Drive

Contact Person:

(P)(P)

(b)(7)(c)

Site: 002

Status: Active

Genetics Institute, Inc.

Laboratory Animals Resources

2 Burtt Road, Building G

Andover, MA 01810

County: Essex

Contact Person:

(b) 6

(b)(h)(c)

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO 19 ROM FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Marine Biological Laboratory

7 MBL Street

200 Westborough Road Woods Hole, MA 02543

Status: Active

143

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles) See: Attached

15 North Street, Woods Hole, MA

UEC U 1 1999

REPORT OF ANIMALS USED BY OF Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number which exteaching surgery, conduction accompaint distress and for anesthei	of animals upon periments, , research, or tests were ad involving mying pain or to the animals which appropriate lic, analgesic, or zing drugs were	experime conducte to the an anestheti have adv interpret: experime the proce	of animals upon which leaching, ints, research, surgery or tests were id involving accompanying pain or disti imals and for which the use of approprice, analgesic, or tranquilizing drugs wor ersely affected the procedures, results, atton of the teaching, research, ints, surgery, or tests. (An explanation edures producing pain or distress in the and the reasons such drugs were not use attached to this report).	or (Cols. C
4. Dogs		,					
5. Cals							3
6. Guinea Pigs			5	3			105
7. Hamsters	49						4
8. Rabbits		4					
9. Non-human Primates							
10. Sheep							
11. Pigs					ļ		
12. Other Farm Animals							
13. Other Animals							
13. Culci Attition					<u> </u>		
	+	1					

# ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(b)6), (b)(7/5)

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO123

14R0123

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) me Corporation

Safety/Environmental Affairs

1 Kendall Square

Cambridge, MA 02139-1562 Status: Active 3 NOV 0 8 1999

154

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes... Allach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

1. One Kendall Square, Cambridge, MA 02139

3. 78 New York Ave, Framingham, MACITCI

2. One Mountain Road, Framingham, MA 01701

4. 38 Vaughn Hill Rd. Bolton, MA 01740

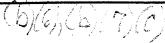
REPORT OF ANIMALS USED BY			(Altach adiditional sheets if ne	cessary or use APHIS FORM 7023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (COIS. C + D + E)
4. Dogs					
5. Cats	·			,	
6. Guinea Pigs			12		13
7. Hamsters					
8. Rabbits	14		245	· · · · · · · · · · · · · · · · · · ·	259
9. Non-human Primates					
10. Sheep					
11. Pigs			88		88
12. Other Farm Animals	,				
Goats	53		.83		136
13. Other Animals		,			
Cotton Rats	12		81		30
ASSURANCE STATEMENTS					

### SSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(6)(6) (6) (7)(C)	(Chief Executive Officer or	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) #, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF C.E.O	TAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
will a			11260
			11/3/50

APHIS FORM 7023 (AUG 91) M 18-23 (OCT 88), which is obsolete)



Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO126 4R012

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Code) Advanced Magnetics Inc.

61 Mooney Street

1 Kendall Square Cambridge, MA 02138

Status: Active

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

6) MOONEY STREET, CAMBRIDGE MA

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or lests were conducted involving no- pain, distress, or use of pain- relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	0	Ø	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	5	43	0	<b>サB</b>
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	3	0	3
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
			0		
13. Other Animals	0	0	0	0	0
	<u>.</u>				

### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESE	EARCH FACILITY OFFICIAL
(C) 1 (C) 1 (C)	** * * ** ** * * * * * * * * * * * * *

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTE

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

A R See reverse s

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 14-R-00128 FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with the USDA, include Sip Code)

Harvard University
Faculty of Arts & Sciences
24 University Hall
Cambridge, MA 02138
Status: Active

156

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

See attached.

See attached.

A.	Animals Covered By The Animal Welfare Regulations  12. &/OR 13. Other (List by Species)	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching research, experiments or tests were conducted involving no pain, distress, or use of pain relieving drugs.	D. Numbers of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report.)	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4.	Dogs	0	0	3	0	3
5.	Cats	0	0	0	0	0
6.	Guinea Pigs	. 0	3	0	0	3
7.	Hamsters	0	6	0	0	6
8.	Rabbits	0	1	13	0	14
9.	Non-human Primates	0	22	0	0	22
10	. Sheep	0	0	0	. 0	0
11	. Pigs (mini)	0 -	0	8	0 -	8
12	. Other Farm Animals					
	Goats	5	0	29	0	29
	Ponies	1 ,	0	0	0	0
13	. Other Animals					
	Ducks (mallards)	0	0	19	0	19

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2. Each principal investigator has considered alternatives to painful procedures.
- 3. This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4. The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

DATE SIGNED

Harvard University/Faculty of Arts & Sciences University Hall, Cambridge MA 02138

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL

SICI

E OF C.E.O. OR INSTITUTIONAL OFFICIAL

11/29/99

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 14-R-00128 FORM APPROVED OMB NO. 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Harvard University Faculty of Arts & Sciences 24 University Hall Cambridge, MA 02138 Status: Active

with the USDA, include Sip Code)

A. Animals Covered By The Animal Welfare Regulations  12. &/OR 13. Other (List by Species)	B. Number of animals being bred, conditioned, or held for use in teaching, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching research, experiments or tests were conducted involving no pain, distress, or use of pain relieving drugs.	D. Numbers of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report.)	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
13. Other continued					Agents (
Doves	0	0	22	0	22
Emus	4	0	3	. 0	3
Fish	200	82,000	200	0	82,200
Frogs	0	. 0	45	0	45
Iguanas	0	0	3	0	3
Lizards (monitors)	0 '	0	14	0	14
Lizards (skinks)	0	0	150	0	150
Lizards (other)	0	0	5	0	5
Pigeons	0	0	16	0	16
Salamanders	0	257 <sup>-</sup>	0	0	257
Snakes	0	1	0	0	1
Swans	0	0	4	.0	4
Teals (blue winged)	0	0	18	0	18
Tinamous	. 0	0	8	0	8
Toads	0	0	68	0	68

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2. Each principal investigator has considered alternatives to painful procedures.
- 3. This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)
I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL

**DATE SIGNED** 

Harvard University/Faculty of Arts & Sciences University Hall, Cambridge MA 02138

11/29/99

# **FACILITY SITES LISTING**

Licensee/Registrant Name:

Harvard University

Faculty of Arts & Sciences

License/Registration Number:

1

14-R-128

Please list below all sites that house animals under the above registration number. Be sure to include all requested information. Do not leave any spaces blank. If lines do not apply, please mark it N/A. If you have more than three (3) sites, please copy this form as many times as needed before filling in the sites.

Site No.:

Name/Department:

Office of Animal Resources (OAR)

Address:

(2)

Harvard University Cambridge, MA 02138

(1) Building:

Floor/Room:

Fifth Floor Contact Person:

Phone Number:

**Building:** 

Floor/Room:

Contact Person:

Phone Number:

(3)**Building:** 

Floor/Room:

Contact Person:

Phone Number:

(4) . **Building:** 

Floor/Room:

Contact Person:

Phone Number:

The Biological Laboratories - 16 Divinity Avenue

Museum of Comparative Zoology - 26 Oxford Street

(6)(6)(7)(4)

First and Second Floors

(b)(a, (b)(7)(c)

William James Hall - 33 Kirkland Street

10th Floor

Fairchild Biochemistry Building - 7 Divinity Ave.

Second Floor

(6)(6),(6)(7)(0)

Site No.:

2 Name/Department:

Address:

Building:

Floor/Room:

Contact Person:

Phone Number:

Concord Field Station (CFS)

Old Causeway Road, Bedford MA 01730

Main and fields

First Floor and Grounds

(b)(6), (b)(7)(c)

(b)(c), (b)(7)(c)

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO129

14R012

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip ROYBLURE CORDORATION

include Zip BYOpure Corporation
11 Hurley Street
16 Divinity Ave

Cambridge, MA 02141 Status: Active

	_	_
•	_	- /

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

See Attached FACILITY LOCATIONS (Sites)

Tufts New England Medical Center

NEC 0 1 1999

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or fests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report). §:	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	·			*	
5. Cats			£.		
6. Guinea Pigs		32	•		32
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals				,	· ·
13. Other Animals					
· · · · · · · · · · · · · · · · · · ·					
	ľ				

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, feaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use.

CERTIFICATION BY HEAD	QUARTES RESEARCH FACILITY OFFICIAL
-----------------------	------------------------------------

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

GNATURE OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/30/99

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

solete) (b)(6) (b)(7)(6)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO 133 14R0133

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Iranskaryotic Therapies Inc.

195 Albany Street
ACCONNICTION
Cambridge, MA 02139

Status: Active

DEC 0 1 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)
See Attached

195 Albany St. Cambridge, MA 02139

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic; analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMAL:  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	0	2	8	· 0	10
9. Non-human Primates			4		
10. Sheep			·		
11. Pigs					
12. Other Farm Animals					
13. Other Animals					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADO	QUARTES RESEARCH FACILITY (	FEICIAL
CERTIFICATION DI HEADS	CONTRA RESEARCH FACILITY	)

(Chief Executive Officer or Legally Responsible Institutional Official)

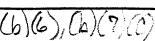
I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/30/99

APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolete )



ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO 134

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, 

4 Corporate Drive

16-81 vindey Ave

Andover, MA 01810 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held to have sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

See Attached

Rm. 180

Α .	B. Number of	0.11.		E. Number of animals upon which teaching,	_
Animals Covered By The Animal Wellare Regulations	b. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, research, surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	F.  TOTAL NO OF ANIMAL  (Cols. C D + E)
4. Dogs				,	
5. Cats				<del></del>	<b></b> ,
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals	<b></b> · .				
13. Other Animals					
			,		
		,			

## **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of anunal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

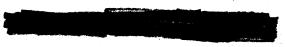
I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

10/18/9





Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

REGISTRATION NO. 14 - R - 0135 FORM APPROVED OMB NO. 0579-0036

Include Zip Code)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA.

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

**BASF Bioresearch Corporation** 100 Research Drive

Worcester, MA 01605

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

100 Research Drive, Worcester, MA

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teach, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F. TOTAL NO OF ANIMAL (Cols. C+ D+E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	0		0
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	0	0	0
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals	0	0	0	0	0
Ferrets	0	20	. 0	0	20

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquitizing drugs, prior to, during and following actual research teaching, testing, surgery, or experimentation were followed by this research facility.
- Each principal investigator has considered alternatives to painful procedures.
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and umber of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer of Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

**PART 1 - HEADQUARTERS** 

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

# 1. REGISTRATION NOT37 14 ROIST

FORM APPROVED OMB NO 0579-0036

Karl M. Ebert, Ph.D TranXenoGen, Inc PO Box 707 MO Shrewsbury, MA 0154

ess, as registered with USDA

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

**FACILITY LOCATIONS (Sites)** See Attached

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats			٠		
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep			·		
11. Pigs		35	13		48
12. Other Farm Animals					
13. Other Animals	·		1		
				·	Y

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

(Chief Executive Officer or I certify that the above is tried	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) e, correct, and complete (7 USC Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTION OF SECOND	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED

Interagency Report Control

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 013 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

FORM APPROVED OMB NO. 0579-0036

October 1, 1998 - September 30, 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Code) Beth Israel Deaconess Medical Cent 330 Brookline Avenue

-46-01vinity Ave-

DE1: 11 1 1999 Boston, MA 02215 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

See Attached

FACILITY LOCATIONS (Siles)

99 Brookline Ave., Res. North, Boston,

41 Ave. Louis Pasteur, Res. East, Boston 330 Brookline Ave., Boston, MA

REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	(Attach adictitional sheets if ne	cessary or use APHIS FORM 7023A.)	MA
Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	17	0	17
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	41	42	0	83
7. Hamsters	0	0	168	. 0	168
8. Rabbits	0	22	112	0	134
9. Non-human Primates	0	0	1	0	1
10. Sheep	0	12	100	<b>0</b>	112
11. Pigs	0	9	164	0	173
12. Other Farm Animals					
chicken	0	0	61	141	202
13. Other Animals					
opossums	0 ·	0	20	0	20
•		·			

### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures

TUTIONAL DEEK

- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FOR 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 139 14 RO139

FORM APPROVED OMB NO. 0579-0036

NOV 18 199

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Hybridon, Inc.

620 Memorial Drive

155 Fortune Blud. Miltord, MA 01757

16 Divinity Ave-

to /

Combridge, MA 02130

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

See Attached

345 Vassor ST, Cambridge MA

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	0			Post of the second seco	, <b>o</b> :
5. Cats	0				)
6. Guinea Pigs	0				
7. Hamsters	0				
8. Rabbits	0			,	Ì
9. Non-human Primates	0				
10. Sheep	0				!
- 11. Pigs	0			·	į.
12. Other Farm Animals	ð				:
			,		į
13. Other Animals	0				<b>√</b>
· · · · · · · · · · · · · · · · · · ·					
				1	

### SSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, feaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(Chief Executive Officer or )	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) e, correct, and complete (7 USC Section 2143)	
SICH UTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

Interagency Report Control No 0180-DOA-AN

1724

sheets if necessary.)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO 140 14 RO140

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Gode) NitroHed, Inc. 12 Oak Park Drive -16 Divinity Ave-

> Bedford, MA 01730 Status: Active

NOV 1 9 1999

See Attached Biology Department REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Atlach additional sheets if necessary or use APHIS FORM 7023A.) Number of animals upon which teaching. Number of C Number of D. Number of animals upon experiments, research, surgery or tests were animals being animals upon which experiments, conducted involving accompanying pain or distress **Animals Covered** bred. which teaching, teaching, research, conditioned, or to the animals and for which the use of appropriate TOTAL NO research. By The Animal surgery, or tests were anesthetic, analgesic, or tranquilizing drugs would held for use in OF ANIMALS experiments, or Welfare Regulations conducted involving have adversely affected the procedures, results, or leaching, lesting, tests were accompanying pain or experiments, interpretation of the teaching, research, conducted distress to the animals experiments, surgery, or tests. (An explanation of (Cols. C + D + E) research, or involving no and for which appropriate the procedures producing pain or distress in these surgery but not pain, distress, or anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were must be attached to this report). relieving drugs. purposes. used Dogs Cats Guinea Pigs Hamsters 647 647 8. Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals **ASSURANCE STATEMENTS** 

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during. and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility
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- 3) This facility is adhering to the standards and regulations under the Act; and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
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(Chief Executive	Y HEADQUARTES RESEARCH FACILITY OFFICIAL Officer or Legally Responsible Institutional Official) se above is true, correct, and complete (7 USC Section 2143)	
SIGNATURE OF CEO.OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NOT 41 14R 014 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Code genics, L.L.C. 34 Commerce Way

16 Divinity Ave not on recent maps

Woburn, MA 01801 Status: Active

767

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles) See Attached

A	B. Number of	C Number of		ecessary or use APHIS FORM 7023A)	<del></del>
Animals Covered By The Animal Wellare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMAL  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs	3	64	2	0	66
7. Hamsters	•				
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs	·-				
12. Other Farm Animals					
					1
13. Other Animals					
	· .				

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions; as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use

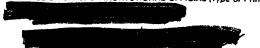
	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
12 /1 /1/2/21	(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED 12.1.99

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPENDING TETTVE

(TYPE OR PRINT) BY:

sheets if necessary)

See Attached

OCT 25 1999 ANNUAL REPORT OF RESEARCH FACILITY

REGISTRATION NO. 142

FORM APPROVED OMB NO 0579-0036

HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Aquila Biopharmaceuticals

365 Plentation-Street

16 Divinity Ave

Horcester MA 01605

175 Crossing Blud Frankshim, MA 61702

Status: Active

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these, purposes. Attach additional

175 CROSSING	- BLUD, FI	EAMIMOHA,	M.MA		
175 CROSSING 017	702.				
REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	F RESEARCH FACILIT	Y (Allach adichlional sheets if ne	DCESSURY OF USE APHIS FORM 7023A)	
Animals Covered By The Animal Welfare Regulations	B Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats				,	
6. Guinea Pigs		0	144	0	145
7. Hamsters				·	
8. Rabbits					
9. Non-human Primates					,
10. Sheep					
11. Pigs					
12. Other Farm Animals					
	, .				
13. Other Animals					
				·	
ASSURANCE STATEMENTS					

FACILITY LOCATIONS (Siles)

- Professionally acceptable standards governing the care, freatment, and use of anunals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of aimnal care and use.

0/14/2/7/2	(Chief Executive (	Y HEADQUARTES RESEARCH FACILITY OFFICIAL. (9/6) (0) Officer or Legally Responsible Institutional Official) R above is true, correct, and complete (7 USC Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIO	NAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED 10-12-

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )

sinited states ocpartisent of adjectivities armed and plant health mediction service

1. REGISTRATION NO. 14-R-0142

FORM APPROVED DMB NO. 0579-0036

CUSTF/779 14-R-0142 FIDAM NO. 0579-0036

7. MEADQUARTERS RESEARCH PACILITY (Marine and Address, as registered with USDA meture Zio Code)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

amendment of 10/12/99 report

Aquila Biopharmaceuticals, Inc. 175 Crossing Blvd. Framingham, MA 01702-4473

		FA	CILITY LOCATIONS /EHOU		<del></del>
Aquila Biopharm	naceuticals,	Inc.			
175 Crossing B	Lvd., Framir	gham, MA O	1702		:
REPORT OF ANHALS USED BY	DR UNDER CONTROL O	предален расци	SARBER MANIGHMAN STOPPS I	PUCINISMY OF LAB APPES POPER 7022A	
Aminus Covered By The Animal Wellam Regulations	B. Number of animale being build, consisting of the constitution of hard for two me teaching, texting, apprisonally, mesearch, or surgery but not yet seed to such purposes.	C Marribus at assertify upon which leaching, restablish, usppromping and, to leach water conducting another part streets, or use of paint series, or use of paints.	Printer of amerals taus which supplements, leaching, restarch, turgery, or leafs while conducted triviang accompanism grain or distributed triviang pain or distributed to the principle and for which appropriate greathering, analysis, or transmittening, analysis, or transmitting drugs were until	E Number of animate upon which leadering, spineliments, research, surgery or leafs were conducted involving accompanying pain or distinguished in the parabels and for which have got a appropriate and incident, analysis, or tranquishing drugs would have developed allegancy incompany, incidents, or little prelation of the leaguing, incidents, and little prelation of the leaguing, incidents.	FOTAL MODE ANNAL TO SELECT
4. Dogs					1
5. Cets					
6. Guinea Pigs	1	120	24	0	145
7. Hamsters			•		
a. Rebbils					
9. Non-human Primates					
10. Shacp					
1). Pics					
12. Other Farm Animals					
13. Other Animals			·		
	<del>                                     </del>				
SELFIANCE STATEMENTS	<u> </u>				•

- 7) Both printigal averagator has considered Milerables to positel

(AUG 91)

- This titudity is believing to the standards and regulations under the Act, and it has required chaptering to the Dandards and regulations be specified and Explifted by the proceed investigation and approved by the instantional Annual Cate and the Commission (ACLC). A commissy of all sects assessed to the Selection to the annual report, a substance of annual report, a substance of the sects assessed annual report, a substance of the sects as the species and members of annuals affected.

Amelical court and mad		Andreas and Annual Come with the principal and School	N जे खेरन अधारक मा
(a) (b) (7) (c)	emith thei me speed to	QUARTER RESEARCH FACILITY OFFICIAL or Legally Responsible Institutional Official) how, convers, and amoptom (FUSC Septem 2143)	
SIGNATURE OF DE C. OR HOTTING	MAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL PINE OF PRINT	DATE SIGNED
			6-19-2am
APHIS FORM 7023 (Replace (AUG 91)	es VS FORM 18-23 (OCT 88), which i	A Abacifate )	

TOTAL P.02

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

# 1. REGISTRATION NO. 14-R-0143 14R 0143

FORM APPROVED OMB NO. 0579-0036

 HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
 Vertex Pharmaceuticals, Inc.

130 Waverly Street

16-Divinity Ave

Cambridge, MA 02139 Status: Active DEC 01 1999

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

"See Attached

345 Vassar Street Cambridge, MA

130 Waverly Street, Cambridge, MA

No animals were housed this year in our facilities.

A.  Animals Covered  By The Animal  Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or franquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs			,		
5. Cats					
6. Guinea Pigs		0	0	0	0
7. Hamsters					
8. Rabbits				·	
9. Non-human Primates					
10. Sheep					
11. Pigs			~~~~		
12. Other Farm Animals					
13. Other Animals					
			-		
·					

### SSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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Chief Executive Off	IEADQUARTES RESEARCH FACILITY OFFICIAL icer or Legally Responsible Institutional Official) ove is true, correct, and complete (7 USC Section 2143)	
SIGNATURE OF C.E.O.	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED 11/29/99
APHIS FORM 43 (R es VS FORM 18-23 (OCT 88), v	which is obsolete)	

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION 19144 14 RO142

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Charles River Laboratories

251 Ballardvale Street

Wilmington, MA 01887 Status: Active

.

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites) See Attached

Charles River Laboratories, Wilmington, MA

Charles River Laboratories, Raleigh

REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	(Altach adiditional sheets if ne	cessary or use APHIS FORM 7023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMAL  (Cols. C 4  D + E)
4. Dogs					
5. Cats		3			
6. Guinea Pigs			1673		1673
7. Hamsters			764		764
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals		•			
13. Other Animals				·	
,					
:					

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.

OR INSTITUTIONAL OFFICIAL

- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
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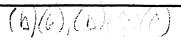
CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

**APHIS FORM 7023** (AUG 91)

S FORM 18-23 (OCT 88), which is obsolete)



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

### 1. REGISTRATION NO. 14R0145

Cambridge, MA 02139 Status: Active

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) Research, Inc. 840 Memorial Drive 16 Divinity Ave

NOV 1 5 1999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

**FACILITY LOCATIONS (Siles)** See Attached First floor.

A	B. Number of animals being	C Number of animals upon	D. Number of animals upon which experiments,	Number of animals upon which feaching,     experiments, research, surgery or tests were     conducted involving accompanying pain or distress	F.
Animals Covered By The Animal Wellare Regulations	By The Animal conditioned, or held lor use in leaching, lesting, experiments, research, or surgery but not yet used for such use.	which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs		,			
5. Cats					<u></u>
6. Guinea Pigs		140	2,500		2,640
7. Hamsters	ļ				
8. Rabbits					
9. Non-human Primates		.,			
10. Sheep					ļ
11. Pigs					
12. Other Farm Animals					
13. Other Animals	ļ				

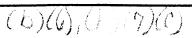
### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

(Chief Executive Officer or	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) e, correct, and complete (7 USC Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
		11/11/99

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)



Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

1. REGISTRATION NO 147 14 RO14

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Inotek Corporation

100 Cummings Drive Suite 419E

21 Mugar Bldg

Beverly, MA 01915

-Status: Active

DEC 0 1 1999

(TYPE OR PRINT) 3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

sheets if necessary.) **FACILITY LOCATIONS (Siles)** INOTEK CORP, 100 CUMMINGS CENTER, SUITE See Attached 419E, BEVERLY, MA 01915 REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adictional sheets if necessary or use APHIS FORM 7023A.)

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, avaging the surgery of tests. (An appliance of	TOTAL NO. OF ANIMALS  (COIS. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits			3		3
9. Non-human Primates				· .	
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
	. •				
		·			

### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and franquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

(Chief Executive Officer or I	UARTES RESEARCH FACILITY OFFICIAL  Legally Responsible Institutional Official) n, correct, and complete (7 U.S.C. Section 2143).	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED



This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150.

See reverse side for additional information Interagency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registared with USDA

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Include 31p Gode) University of Michigan Unit for Lab Animal Medicine

1301 Catherine Street Ann Arbor, MI 48109-0614

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, of experimentation, or held for these purposes. Attach additional sheets if necessary !

FACILITY LOCATIONS (Siles)

See Attached

A	B Number of	C Number of	D. Number of animals upon	COSSULY OF USE APMS FORM (02:3A)  E. Number of animals upon which feaching.	F.
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in reaching, festing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leathing, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the aminals and for which appropriate anesthetic, analgesic, or tranquitizing drugs were itsed.	asperiments, research, surgery or rests were conducted involving accompanying pain or distress to the unimals and for which the use of appropriate anesthetic, unalgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or lests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	2	580	0	582
5. Cats	0	4	27	0	31
5. Guinea Pigs	0	757	1,932	0	2,689
7. Hamslers	0	34	0	0	34
8. Rabbits	0	472	975	0	1,447
9. Non-human Primates	0	96	89	· 18	203
10. Sheep	0	- 33	174	0	207
11. Pigs	0	0	289	0	289
12. Other Farm Animals					
13. Other Animals					
Ferrets	0	0	402	0	402
Degus	0	275	253	0	528
Mole Rats	0	219	0	0	- 219

- Professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of anesthetic, analgesic, and tranquilling drugs, prior to, during, and following actual research, teaching, losting, surgery, or experimentation were inflowed by this research locally
- 2) Each principal investigator has considered alternatives to pointul procedures.
- 2) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the prompted investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending vetermanian for this research facility has appropriate authority to ensure the provision of adequate vetermany care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Figurity that the above is tring mirrort, and complete (7 U.S.C. Section 2143)

C.E.O. OR INSTITUTIONAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

this report is recoiled by law (7 USC 2143). Failing to report according to the regulations can result in an order to cease and desixt and to be subject to penalties as provided for in Section 2150

UCUCA Office

President implimation

DIHD-DOA-AN

FORM APPROVED

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1 REGISTRATION NO 34-R-0001

OMB NO 0579-0036 2. HEADQUARTERS RESEARCH FACILITY (Name and Address as registered with USDA

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY ( TYPE OR PRINT)

include Lip Codel University of Michigan Unit for Lab Animal Medicine 1301 Catherine Street Ann Arbor, MI 48109-0614 Status: Active

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACELITY to describe a discontinuous animals improved the security of the control of t				Status:	Active	
Atomats Created  Up fire Another Departments Venture Regulations  12 37(NR 13 (Other Venture)  Wild Rodents  O 219  O 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	REPORT OF ANIMALS USED BY OR	UNDER CONTROL OF	RESEARCH FACILITY	IATION Julilional sheets if nec	cossum at use flux term !	<del></del>
Wild Rodents	Ammais Covered Us fine Ammai Worker Regulations	Number of annuals being beid, conthibened, or held for use in feaching, festing, usperiments, iesearch, or surgery but not yet used for such	C Number of animals upon which teaching, resnarch capenitudits, in tests were conducted modering on pain, distinss, in use of pain.	O Municer of animals injust which experiments, teaching, research, singery, or tests were conducted involving accompanying join or distress to the animals and his which appropriate angularing handlesses, and propriate tranquisting drugs were	experiments research caragins or lests were conducted involving accompanying pain or distress to the annual, and his which the use of automorphism in transparting things would have adversely affected the procedures results or interpretation of the teaching, research, experiments, vergery or tests. (An explanation of the procedures instincts in those conduct and the metabols such itings were not used.)	OF ANIMAL.
Chinchillas         0         0         0         0         0           Marine Mammals         0         0         0         0         0         0           Bats         0         54         0         0         54           Deer         0         8         0         0         8           0         24         0         24		0	219	0	0	219
Marine Mammals         0         0         0         0         0         54           Bats         0         54         0         0         54           Deer         0         8         0         0         8           0         24         0         24		0	0	0	0	<del> </del>
Marine Haudhals         0         54         0         0         54           Bats         0         8         0         0         8           Deer         0         8         0         0         8		0	0	0	0	ļ
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### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the cord, treatment, and use of animals, including approximate use of aniesthem, analysis, and transmissing drugs, prior to, thinky and following actual research teaching, testing, surgery, or experimentalism were followed by this research tacility
- 5). Each benefibel meditiques has considered afferentives to limited histogeness
- 3) This facility is adhering to the standards and ingulations under the Act and it has required that exceptions to the standards and inquisitions for executing and explained by the principal investigation and approved by the historical American for and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report addition in admitting the IACUC approved exceptions, this summary includes a brief application of the exceptions, the tipe second investigation and approved exceptions, this summary includes a brief application of the exceptions, the tipe second investigation and approved exceptions.
- 4) The attending reterminate inciting agrarult facility has apprepriate authority to ensure the promision of attending reterming care and in oversize the attending of other aspects.

	THE REPORT OF THE PROPERTY OF
	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
	(Chief Executive Officer or Legally Responsible Institutional Official)
	Chief Pyroutive Officer of Legally Responsible matters
\	Comment of the commen
100	7 ! \ / A } USC SECION 61-71

SIGNATURE OF CE O SE INSTITUTIONAL OFFICIAL

NAME & FITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Fyin or Fried)

DATE SIGNED

Dec 08 99 04:19p

34 R 0001

USDA Registration Number 34-R-001

University of Michigan c/o Unit for Laboratory Animal Medicine 1301 Catherine Street Ann Arbor, MI 48109-0614

### USDA Annual Report of Research Facility

November 30, 1999

### Explanation for Annual Animal Use in Category E

Eighteen monkeys were used to study the analgesic effects of drugs with a warm water tail-withdrawal procedure. These monkeys have their tails immersed in 40-50°C water. The tail is not constrained and the monkeys can remove their tails without restriction. A variety of opioid and non-opioid analgesics are being studied with this procedure. Administration of analgesics would alter normal responses and interfere with the results of the study.

### IACUC-Approved Exceptions to the Regulations or Standards

Four Group 3 monkeys were housed in innovative enclosures measuring 24" x 24" x 28"h, marginally short of the floorspace and height requirements specified by USDA regulations. These monkeys are involved in a long-term behavioral study in which they are periodically videotaped in their enclosures. Altering the configuration of the enclosures could confound the experimental results. The monkeys are mid-range Group 3 primates. The veterinary staff has observed the monkeys in the enclosures and determined that they are free to make postural adjustments and express species-typical behavior.

Fifteen monkeys were provided food without using a food receptacle. Rather, the monkeys were fed by handing the food biscuits directly to each animal, or placing the biscuits on the floors of the cages. These monkeys had a history of removing the feeders from their cages and tossing them to the floor, thereby preventing their access to food remaining in the feeders until the subsequent feeding. (Note that whether monkeys removed biscuits from feeders themselves, or were handed biscuits, the monkeys usually placed the biscuits on the floor of their cages for some period of time before consuming them.) The practice of hand or floor feeding of these monkeys was reviewed and approved by the veterinary staff.

34 R0001

Page 2

USDA Registration Number 34-R-001

University of Michigan c/o Unit for Laboratory Animal Medicine 1301 Catherine Street Ann Arbor, MI 48109-0614

Sixty degus were used to study circadian rhythm properties. These animals were housed in conditions of constant light or darkness, in chambers that monitor the animals' temperature and activity level continuously. Housing these species under these conditions allows their free-running circadian rhythms to emerge for study, and has not resulted in any adverse effects to the animals.

The identification collars of nineteen dogs were hung on the outside of their cages instead of being worn by the animals. Each of these dogs had undergone a surgical procedure to the neck or had received an implant in the neck area. The identification collars were found to irritate the recovering surgical wound and implant sites.

Fifty-three postoperative sheep were housed for up to 24 hours in recovery cages that did not provide sufficient space to enable sheep to make normal postural and social adjustments with adequate freedom of movement. Each of these sheep had an artificial lung attached to its side that required movement of the sheep to be restricted to ensure that the device remained securely attached.

Surgical staples were not removed from 107 pigs for the duration of the 21-day postoperative recovery period immediately prior to euthanasia at the study endpoint. Institutional veterinary recommendations specify that surgical sutures and staples be removed 10-14 days postoperatively. However, these pigs would have required general anesthesia for staple removal, and the veterinary staff deemed the risks associated with 21-day staple retention to be less significant than those associated with general anesthesia. The veterinary staff evaluated the surgical wound sites of pigs on days 14 and 18 of the postoperative recovery period, and staples were removed if evidence of excessive local reaction was observed.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

104

See Attached

1. REGISTRAJION NOO4 34 ROOOL

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zin Code)

17190 Polk Road

1301 Catherine Street Stanwood, MI 49346 5 NOV 08 1999

Status: Active

r v.

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or	or experimentation, or held for these purposes. Attach additional
sheets if necessary.)	
FACILITY LOCATIONS (Siles)	

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM 7023A) E. Number of animals upon which feaching, Number of C Number of D. Number of animals upon experiments, research, surgery or tests were animals upon animals being which experiments, which leaching, conducted involving accompanying pain or distress bred **Animals Covered** teaching, research, to the animals and for which the use of appropriate conditioned, or TOTAL NO By The Animal research. surgery, or lesis were anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS held for use in experiments, or Wellare Regulations conducted involving have adversely affected the procedures, results, or teaching, testing, tests were accompanying pain or interpretation of the teaching, research, experiments, conducted distress to the animals experiments, surgery, or tests. (An explanation of (Cols. C + D + E) research, or involving no and for which appropriate the procedures producing pain or distress in these pain, distress, or surgery but not anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. used 452 93 452 NONE NONE Dogs NONE NONE NONE 36 NONE Cats Guinea Pigs Hamsters Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals

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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

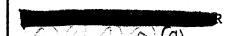
(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

0216V99

GNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

APHIS FORM 7023 (AUG 91)

**ASSURANCE STATEMENTS** 

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 34-R-0007

FORM APPROVED OMB NO 0579-0036

1/3

## ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Grand Rapids Area Medical Education Consortium 240 Cherry Street SE Grand Rapids, MI 49503

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

5. Cats 4 26 26 6. Guinea Pigs 7. Hamsters 9. Rabbits 1 129 129 9. Non-human Primates 10. Sheep 11. Pigs 2 2 2 12. Other Farm Animals						
A   Animals Covered By The Animal Wellare Regulations   B   Number of animals being bred, help within a purpose.	GRAMEC Research	Facility				
Report of Animals USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach aufultinual sheets of necessary or use APHIS FORM 70234)  A A A Animals Covered By The Animal Welfare Regulations Welfare Regulations Welfare Regulations  B Number of animals upon which leaching, research, or not yet used for such purposes.  Conditioned, or held for use in teaching, research, or not yet used for such purposes.  4. Dogs 1 1 24 26	Spectrum Health	East Campus				
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Alfach adminished sheets if necessary or use APHIS FORM 7023A.)  A Animals Covered By The Animal Mellare Regulations and the second of the same sheets of the same same sheets of the same sheets o				·		
A nimals Covered Britanian being bind, conditioned, or held for use in teaching, experiments, search, experiments, experim	Grand Rapids MI					
Animals Covered By The Animals Welfare Regulations with Regulations and the research of the procedures produced involving accompanying pain of stress view of the purposes.  4. Dogs 1 2 4 24 25 26 26 26 26 26 26 26 26 26 26 26 26 26	REPORT OF ANIMALS USED BY OF	UNDER CONTROL OF	RESEARCH FACILITY	/ (Attach adiditional sheets if ne	cessury or use APHIS FORM 7023A.)	
5. Cats 4 26 26 26 6. Guinea Pigs 7. Hamsters 9. Rabbits 1 129 129 129 129 129 11. Pigs 2 2 2 2 12. Other Farm Animals Rats 3 12 12 12	Animals Covered By The Animal	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such	animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-	which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used.)	TOTAL NO OF ANIMALS
6. Guinea Pigs 7. Hamsters 9. Rabbits 1 129 9. Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals Rats 3 12 12	4. Dogs	· 1		24		24
7. Hamsters 9. Rabbits 1 129 129 9. Non-human Primates 10. Sheep 11. Pigs 2 2 2 12. Other Farm Animals Rats 3 12 12	5. Cats	.4		26		26
1 129 129 9 Non-human Primates 10. Sheep 11. Pigs 2 2 2 12. Other Farm Animals Rats 3 12 12	6. Guinea Pigs					
9. Non-human Primates 10. Sheep 11. Pigs 2 2 2 12. Other Farm Animals 13. Other Animals Rats 3 12 12	7. Hamsters					
10. Sheep  11. Pigs  2 2  12. Other Farm Animals  13. Other Animals  Rats  3 12 12	3. Rabbits	1		129		129
11. Pigs 2 2  12. Other Farm Animals 3 12 12 12	9. Non-human Primates					
12. Other Farm Animals  13. Other Animals  Rats  3  12  12	10. Sheep					
13. Other Arimals  Rats 3 12 12	11. Pigs			2		2
Rats 3 12 12	12. Other Farm Animals			,		
	13. Other Animals			·		
ASSURANCE STATEMENTS	Rats	3		12		12
ASSURANCE STATEMENTS						,
	ACCUIDANCE CTATEMENTS					

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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

	CERTIF	ICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
		f Executive Officer or Legally Responsible Institutional Official)
(DIE COIL	7 X C J	I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)
510111 7105 65 0 5 0 00 11		

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

09/13/99

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

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UNITED STATES DEPARTMENT OF AUHICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NOOS

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name nd Address, as registered with USDA include Zip Gode Chemical Company, The

Health & Environmental Reaserc 1803 Building Midland, MI 48674

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional Theels if necessary.)

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FACILITY LOCATIONS (Sites)

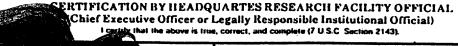
See Attached Site 1 (active):

Toxicology and Environmental Research and Consulting

1803 Building

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	G Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of attimals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	0	128	0	0	128
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	670	52	0	7 <b>2</b> 2
7. Hamsters	0	141	0	0	141
8. Rabbits	0	555	76	40	671
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0.	0
11. Pias	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals	0	0	0	0	0

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

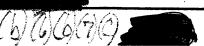


NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS/FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )



OF RESEARCH FACILITY

(TYPE OR PRINT)

UNITED STATES DEPARTMENT OF AGR. ANIMAL AND PLANT HEALTH INSPECTIC

I. REGISTRATION NO

34-R-0008

FURM APPROVED OMB NO 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT

2. HEADQUARTERS RESEARCH FACILITY Maine and Address as registered with USDA The Dow Chemical Company

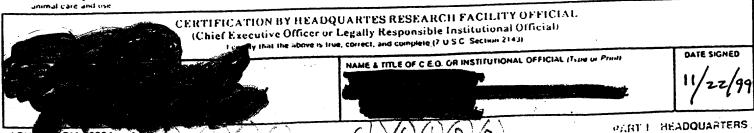
Toxicology & Environmental Research & Consulting

1803 Building

			IMidland,	M1 486/4	
REPORT OF ANIMALS USED BY C	8 Number of	C Number of	O Number of animals upon	E. Adminer of Service Surviery or lests were	F
Ariffinals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in teaching, lesting, experiments,	animals upon which leaching, research, experiments, or lests were conducted	which experiments. It is to the confidence of th	conducted involving accumpanying pain or distress to the animals and for which the use of appropriate anesthetic, analytistic, in tranquisting drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	TOTAL NO OF ANIMALS (Cols. C +
12 &/OR 13 Other (List by species)	research, (ir - Surgery but not yet used for such purposes	involving no pain, distress, or use of pain- relieving drugs.	and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	experiments, surger in these the procedures practicing pain or distress in these animals and the masons such drugs were not used must be attached to this roport)	0 + E)
None	None	None	None	None	None
			·		
			·		
	+				
		·			
	<u>:</u>		<u> </u>		
	_				
-					
	1	•			

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approximate use of aniesthetic analyses and tranquilizing drugs, prior to, dirring and following actual research, leaching, lessing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered atternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the this recurry is authering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report in addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, its well as the specific and number of animals affected.
- The attending vetermanan for this research facility has appropriate authority to ensure the provision of adequate vetermary care and to oversee the adequacy of other aspects are an advanced for this research facility has appropriate authority to ensure the provision of adequate vetermary care and to oversee the adequacy of other aspects are



## Optional Column E Explanation Form

	This form is intended as an aid to completing the Column E explanation. It is <u>not</u> a and its use is voluntary. Names, addresses, protocols, veterinary care programs, ar not required as part of an explanation. A Column E explanation must be written so	nd the like, are	1
÷	understood by lay persons as well as scientists.	•	
•			•
	1. Registration Number: 34-R-0008		
•	2. Number 40 of animals used in this study.		•
	3. Species (common name) Rabbit of animals used in this study.		
	4. Explain the procedure producing pain and/or distress.		
•	The rabbits were used on studies to assess potential for derma test material. The studies were conducted in support of produ according to federally mandated guidelines. As per those guidendpoint of this type of study is death.	ct registra <sup>.</sup>	tion
			•
		*	
	5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see question 6 below)	5	
	Studies conducted for federally mandated testing in support of	product re	gistration.
	6. What, if any, federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):		
	Agency U.S. EPA CFR 40 CFR Subpart B 798.11  Japan MAFF Japan MAFF Acute Dermal OECD Guideline No. 402, 1987 EEC EEC Methods Number B.3	Toxicity,	70.1200, 1998 1 <b>985</b>



# LIST OF DELETED SITES (Sites Permanently Closed)

Central Research Materials and Development Laboratory 1701 Building Midland, MI 48674

Site Deleted (permanently closed) May 20, 1996

Dow Chemical Company Toxicology Research Laboratory - Indianapolis 9550 N. Zionsville Road Indianapolis, IN 46268

Site Deleted (permanently closed, building has been demolished) December 31, 1995

Health & Environmental Sciences Lake Jackson Research Center Freeport, TX 77541

Site Deleted (permanently closed, building has been demolished) November 19, 1994

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desixt and to be subject to penalties as provided for in Section 2150.

See severse side to

Interagency Report Control No 6180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION 10009 34 R 000

FORM APPROVED OMB NO. 0578-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Z. MEADQUARTERS RESEARCH FACILITY Plants and Address, as registered with USDA include Zip Goda) idence Hospital

16001 W. Nine Hile Road P.O. Box 2043 Southfield, NI 48037

Status: Active

		FA	CILITY LOCATIONS (Silve)		
See Attached					
				•	•
		····			
		· · ·		•	
REPORT OF ANIMALS USED BY O	R UNDER CONTROL O	F RESEARCH FACILITY	I Mach additional shoets it ne	DOBESHITY OF MISO APHIS FORM 7023A.)	
Animals Covered By The Animal Weltera Regulations	8. Number of animals being bred, conditioned, or held for time in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, superiments, or lasts were conducted involving no pain, distress, or use of pain, relieving drugs.	Number of anomals upon which experiments, toaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drups were used.	E. Number of animals upon which teaching, experiments, research, surpery or tests were conducted involving accompanying poin or distress to the animals and for which the use of appropriate incollette, autignate, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	F. TOTAL NO. OF ANIMALS (Cols. C + 0 + E)
4. Dogs	·		<b>4550</b> .		
5. Cals					
6. Guinea Pigs					·
7. Hamsiers					
d. Rabbits	6		80		80
9. Non-human Primates					
10. Sheep					
11. Pias	-		1		1
12. Other Farm Animals		•			
13. Other Animals					· · · · · · · · · · · · · · · · · · ·
			•		
ASSURANCE STATEMENTS					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anestholic, analysis, and tranquillaing drugs, prior to, during, and fellowing actual research, teaching, tosting, surgery, or experimentation were followed by this research lacifity.
- 2). Each principal investigator has considered alternatives to polisius procedures.
- 3). This lacitity is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animat Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research lacility has appropriate authority to ensure the prevision of adequate veterinary care and to oversee the adequacy of either aspects of animal care and use.

(Chief Executive Officer or I carried that the above is less	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) c. correct, and complete (7 USC Section 2143)	
GNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGN

1-20-00

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.09 34R000

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) idence Hospital

16001 W. Nine Mile Road P.O. Box 2043 Southfield, MI 48037

NOV 29 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

y	116	Status:	Active		20	1000
ſ	<ol> <li>REPORTING FACILITY (List all locations where animals were housed or used in actual res sheets if necessary.)</li> </ol>	earch, lesting, leaching, (	or experimentation, or held	for these purpo	ses. Al	tach additional

FACILITY LOCATIONS (Siles) See Attached

Wayne State University- Lande Building

550 E. Canfield, Detroit, Mi. 48201

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquihizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats			1		
6. Guinea Pigs					
7. Hamsters					
Rabbits	6		80		80
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals			,		
,					

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of anunal care and use

	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIA
ひったい カいたきえ	(Chief Executive Officer or Legally Responsible Institutional Official)
b)(6). (b)(2)(	I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

IGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED 11/17/99

Interagency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE	1. REGISTRATION NO. 34-R-0010	FORM APPROVED OMB NO 0579-0036
111	2. HEADQUARTERS RESEARCH FACILITY (Name and include Zip Code)  Henry Ford Hosp 2799 W. Grand B Research Admins	ital (b) (c) (c) lyd. (b) (7) (c) tration
REPORTING FACILITY (List all locations where animals were housed or used in actual rescheets if necessary)	· · · · · · · · · · · · · · · · · · ·	202–2689 These purposes. Attach additional

FACILITY LOCATIONS (Siles)

SEE ATTACHED

•	Anninals Covered By The Animal Welfare Regulations	B Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes	C Number of unimals upon which leaching, research, experiments, or lesis were conducted moderng no pain distress, or use of pain-relieving drugs	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analysesc, or trainquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or fests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F. TOTAL NO OF ANIMALS  (Cols. C + D + E)
4	Dogs			127		127
5	Cats					
6	Guinea Pigs			22		22
.7	Hamsters					
	Rabbits			215		215
9	Non-human Primates					
10	Sheep			1		1
11	Pigs			3		3
12	Other Farm Animals					
13	Other Animals					
	Ferrets			25		25
		<del> </del>				

### Professionally acceptable standards governing the care freatment and use of animals, incliding appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during and following actual research feaching testing, surgery or experimentation were followed by this research facility.

- $\mathcal{D}^{\prime}$  . Each principal investigator has considered alternatives to panillit princetures
- This facility is adhering to the standards and regulations notice the Act and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Annual Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report, in addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 36 The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary cure and to oversee the adequacy of other aspects of animal cure and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL. (Chief Executive Officer or Legally Responsible Institutional Official)  ((a) (7)(C) (Cortify that the above is long correct and complete (7 USC Section 2143)					
) · · ·	ATURE OF THE TITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED		
			11/5/99		

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO 34 R 0014 R-0014

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Wayne State University 540 E. Canfield Detroit, MI 48201

3. REPORTING FACILITY (List ail locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

John D. Dingell VAMC

48201 Detroit, MT

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	0		0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0 /	0 7	0	. 0	0
7. Hamsters	0	0	0	. 0	0
. Rabbits	0	0	0	O	0
9. Non-human Primates	0	. 0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals	0	00	0	0	0

### ASSURANCE STATEMENTS

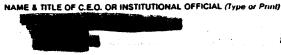
- Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and franquilizing drugs, prior to, during. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Annual Care and Use Committee (IACUC) A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- The attending vetermarian for this research facility has appropriate authority to ensure the provision of adequate vetermary care and to oversee the adequacy of other aspects of ammai care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRAJION NO. 17 34 ROOT

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

Michigan State University

Office of Research & Graduate 246 Administration Building East Lansing, MI 48824 Status: Active

NOÝ 2 9 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

FACILITY LOCATIONS (Siles)

A .	B. Number of animals being	C Number of animals upon	Number of animals upon which experiments,	Number of animals upon which teaching, experiments, research, surgery or tests were	F.
Animals Covered By The Animal Wellare Regulations	bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	which feaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	conducted involving accompanying pain or distress to the animals and flor which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS (Cols. C + D + E)
4. Dogs	107	71	303		374
5. Cats	3	20	180		200
6. Guinea Pigs		325			325
7. Hamslers		60	385		445
J. Rabbits	2	43	143		186
Non-human Primates	·	5			5
10. Sheep					
11. Pigs					
12Cow		30		_	30
Goat		39	9		48
13 Horse	·		2՝		2
Nile Grass Rat	•	205	86		291
Prarie Voles		140			140
Whitefooted Mic	e	70	·		70

- Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

IGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/23/99

AF RM 7023

(Replaces VS 88), which is obsolete)

b)(6); (b)(7) (c)

ANIMAL AND PLANT HEALTH INSPECTION SERVICE

additional information

0180-DUA AN

FORM APPROVED

1. REGISTRATION NO OMB NO 0579-0036 001 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY ( TYPE OR PRINT)

NOV 2 9 1999

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adictitional sheets if necessary or use this turn) Number of animals upon which leaching experiments, research, surgery or tests were C Number of animals upo D. Number of animals upon B Number of conducted involving accompanying pain or distress which experiments animals being to the ammais and for which the use of appropriate which leaching. leaching, research. TOTAL NO bred. Airmais Covered By The Animal anesthetic, analyesic, or tranquilizing drugs would OF ANIMALS surgery, or tests were research. have adversely affected the procedures, results, or experiments, o conducted involving held for use in interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of Wellare Regulations accompanying pain or leaching, lesting. (Cols. C \* D + E) distress to the animals experiments. conducted the procedures producing pain or distress in these mydynig no and for which appropriate research, or animals and the reasons such drugs were not used pain, distress, or anesthetic, analgesic, or surgery but not must be affached to this report) yet used for such tranquilizing drugs were use of pain 12 &/OR 13 Other relieving drugs used purposes (USI by species) 27 27 Ferret 120 120 Mink 84 Spotted Hyenas 12 Opossums

include Zip Code)

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approximate use of unesthetic analysis. and tranquilizing drugs prior to distinct and following actual research leaching, lesting, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report addition to identifying the IACUC approvist exceptions, this summary includes a tirlet explanation of the exceptions, its well as the spirites and number of unimals affected
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary during the oversee the adequacy of other aspects. unimal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Figurify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF CEO OF INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/23/99

FORM 7023A (AUG 91)

(b)(b)(7)

PART ! HEADQUARTERS

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO 19

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Ferris State University

901 S. State Street 246 Administration Building Big Rapids, MI 49307

Status: Active

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) FACILITY LOCATIONS (Siles) See Attached

REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	F RESEARCH FACILITY	f (Attach adiditional sheets if ne	ecessary or use APHIS FORM 7023A.)	
Anunals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely allected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					>
5 Cats					
6. Guinea Pigs					
7. Hamsters					
8 Rabbits	8	8			8
9 Non-human Primates			· .		
10. Sheep					
11. Pigs					
12 Other Farm Animals					
			<u> </u>	·	
13 Other Animals	·				
RATS	601	274	41	·	415
NICE	8	B			8
			·		

### ASSURANCE STATEMENTS

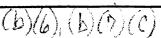
- Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during. and following actual research, leaching, lesting, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) that the above is trile, correct, and complete (7 U.S.C. Section 2143) DATE SIGNED SIGNATURE INSTITUTIONAL OFFICIAL (Type or Print)

**APHIS FORM 7023** (AUG 91)

FORM 18-23 (OCT 88), which is obsolete)



Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

See Attached

1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)...

7650 Nollage Road

246 Administration Building Whitmore Lake, MI 48189

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adultitional sheets if necessary or use APHIS FORM 7023A.) E. Number of animals upon which teaching, B. Number of C Number of D. Number of animals upon animals being experiments, research, surgery or tests were animals upon which experiments, conducted involving accompanying pain or distress which leaching, bred. **Animals Covered** leaching, research, surgery, or tests were conditioned, or to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would TOTAL NO By The Animal research. held for use in experiments, or OF ANIMALS Welfare Regulations conducted involving have adversely affected the procedures, results, or teaching, testing, tests were accompanying pain or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of experiments, conducted distress to the animals research, or (Cols. C + D + E) involving no and for which appropriate the procedures producing pain or distress in these surgery but not pain, distress, or anesthetic, analgesic, or yet used for such use of painanimals and the reasons such drugs were not used tranquilizing drugs were must be attached to this report). purposes. relieving drugs. used Dogs Cats Guinea Pigs Hamsters 8. Rabbits 9. Non-human Primates 21 2/ 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals **ASSURANCE STATEMENTS** 

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of aniesthetic, analgesic, and franquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
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- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

	×	<b>CERTIFICATION BY HEADQ</b>	UARTES RESEARCH FACILITY OFFICIAL
ΛL	16, (6) (7)(0)	(Chief Executive Officer or l	Legally Responsible Institutional Official)
	116110111111	i certify that the above is true	s, correct, and complete (7 U.S.C. Section 2143)
	The second secon		

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/22/99

M 7023

eplaces VS FORM 18-23 (OCT 88), which is obsolete )

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NOD25

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA mclude Zip Rolethern BioMedical Research, Inc.

> 930 W. Sherman Boulevard 246 Administration Building

Muskegon, MI 49441 Status: Active

-3 NOV 0 5 1999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. 'Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles) See-Attached

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lestling, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgestic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS (Cols. C + D + E)
4. Dogs	26	29	49	. 0	78
5. Cats	d	8	0		0
6. Guinea Pigs	0	0	0	<u> </u>	0
Hamsters	0	0	0	<i>O</i>	0
d. Rabbits	0	O	0	0	0
9. Non-human Primates	3	0	51	0	51
10. Sheep	0	ð	<u>Ö</u>	0	0
11. Pigs	0	0	<i>O</i>	0	0
12. Other Farm Animals	0	0	0	<i>O</i>	0
13. Other Animals	0	6	0	6	0

### **ASSURANCE STATEMENTS**

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research lacility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is triie, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

IGNATURE OF C.E.O. OR INSTITUTIONAL DEFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRAJION NOO27 34R 002

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Godel BloPort Corporation

3500 North Logan 246 Administration Building Lansing, MI 48909 Status: Active

DEC 0 2 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

See Attached FACILITY LOCATIONS (Siles)

A. Animals Covered By The Animal Wellare Regulations	B Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes:	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	NA				
5. Cats	NA NA				
6. Guinea Pigs	300	2130	361	2538	5029
Hamsters	NA			·	
b. Rabbits		106	0	0	106
9. Non-human Primates	0	56	0	0	56
10. Sheep	NA				
11. Pigs	NA			-	,
12. Other Farm Animals	NA.				
13. Other Animals	NA NA				
	NA.				<u>.</u>
					· · · · · · · · · · · · · · · · · · ·

- Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
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- 4) The attending veterinarion for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

1 certify that the above is true, correct, and complete (7 USC Section 2143)

-ATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )



DEC 0 2 1999

# Memo

To:

USDA Annual Report FY98-99

From:

(b)(6),(6)(7)(C)

Date: 11/19/99

Re:

Animals reported in column E.

The 2,538 guinea pigs reported in column E represent animals that succumbed to challenge organisms as part of required potency testing of biologic products intended for human use. These animals could not be given pain relieving medication with out interfering with the interpretation of test results. The appearance of clinical signs could be adversely affected, and time to death could be altered by the stress of excessive handling, and the depressant effects of pain medication. All procedures have been reviewed by the IACUC. 21CFR 620.23 and 610.10 apply.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRAJUN 19029 34 R 0029

FORM APPROVED OMB NO 0579-0036

HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
 Surgical

. 8850 M-89 PO Box 351

Richland, MI 49083-0351

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

IMAGYN MEDICAL TECHNOLOGIES & GULL LAKE ANIMAL HOSBITAL and Kennels

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred. Conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F. TOTAL NO OF ANIMAL: (Cols. C+ D+E)
4. Dogs	~ N/A ~				
5. Cats	~ N/A ~				
6. Guinea Pigs	~ N/A /				
7. Hamsters	~ N/A				
8. Rabbits	~N/A				
9. Non-human Primates	NI/A				
10. Sheep	~ N/A /				
11. Pigs	~ N/A	1			1
12. Other Farm Animals	~ N/A				
13. Other Animals					

### **ASSURANCE STATEMENTS**

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL.
(Chief Executive Officer or Legally Responsible Institutional Official)

hief Executive Officer or Legally Responsible Institutional Official Legitly that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE TO MICHITUTE MAN DESICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

9/20/99

APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

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se side for \* information Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRAZION NO 031 34 ROO31

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Research, L.L.C.

54943 N. Main Street

PO Box 351

Mattawan, MI 49071 Status: Active

DEC 0 1 1999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, tearing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles) See Attached

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Affacts which them is sheets if necessary or use APHIS FORM 7023A)					
Animals Covered By The Animal Wellare Regulations	8 Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	772	218	O	990
5. Cats	0	16	48	0	64
6. Guinea Pigs	0	20	188	34	244
7. Hamsters	0	0	0	0	. 0
8. Rabbits	0	455	241	12	708
9. Non-human Primates	0	383	42	0	425
10. Sheep	0	0	0	0	0
11. Pigs	0	0	20	0	20
12. Other Farm Animais			-		
13. Other Animals					
· · · · · · · · · · · · · · · · · · ·					<del> </del>

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report, in addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending vetermarian for this research facility has appropriate authority to ensure the provision of adequate vetermary care and to oversee the adequacy of other aspects of ammal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL. (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

SIGNATURE OF C.E.O. OF INSTITUTIONAL OFFICIAL

NAME & TITLE OF C E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

# 34R0031



Annual Report of Research Facility November 23, 1999

W. W.

Registration No: 34-R-0031 MPI Research, Inc. 54943 North Main Street Mattawan, MI 49071

### **Detailed Explanation of Animals Presented in Column E:**

Consistent with the USDA's Animal Care Resource Guide, Policy #11 regarding Painful Procedures, we have included all animals that were injected with Freund's Complete Adjuvant, or were used in Eye or Skin Irritation Studies in Column E. When consistent with the experimental objectives, procedures are used to minimize potential pain or distress, including treatment.

34 guinea pigs indicated in Column E received Freund's Complete Adjuvant as a component of Skin Sensitization Studies (Maximization Method). These nonclinical laboratory studies are conducted in accordance testing guidelines as set forth by the United States Environmental Protection Agency (EPA), Toxic Substances Control Act (TSCA), Health Effect Test Guidelines, 798.4100; EPA, Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), Series 81-6; The Japanese Ministry of Agriculture, Forestry and Fisheries (JMAFF) "Testing Guidelines for Toxicology Studies (59 NohSan No. 4200); and the Organization for Economic Cooperation and Development (OECD), Guidelines 406, Skin Sensitization. The Freund's Complete Adjuvant is administered, on a single occasion, intradermally. Although these injections typically produce skin ulcers at the injection sites, other clinical signs of pain or distress are not observed. The use of analgesics could potentially interfere with the interpretation of the Skin Sensitization Tests. Alternatively, skin sensitization studies using the Buehler Method, which does not include the use of Freund's Complete Adjuvant, are used whenever possible if scientifically acceptable.

9 of the rabbits indicated in Column E were used in Skin Irritation Studies. These nonclinical laboratory studies are conducted with Good Laboratory Practice Standards as set forth in the Federal Hazardous Substance Act (16 CFR), Consumer Product Safety Commission, Guideline 1500.41, Method of Testing Primary Irritant Substances; EPA, FIFRA, Series 81-2; EPA, TSCA, 798.4470; and OECD, Guideline 404, Acute Dermal Irritation/Corrosion. Typically, the test article is applied to a small gauze patch which is held in place on the skin of the dorsal back for 24 hours. In compliance with EPA, OPPTS, 870-2500; and OECD Guidelines; if the test material is a suspected severe irritant or corrosive a small amount of the material is applied to the back of 1 rabbit to evaluate for a painful response. If the test material is found to be severely irritating or corrosive, further skin irritation testing is not conducted. The use of analgesics could potentially interfere with the interpretation of the Skin Irritation Test.

3 of the rabbits indicated in Column E were used in Eye Irritation Studies. These nonclinical laboratory studies are conducted with Good Laboratory Practice Standards as set forth by EPA, TSCA, Health Effect Test Guidelines, 798.4500; EPA, FIFRA, Series 81-4; JMAFF, Testing Guidelines for Toxicology Studies (59NohSan No. 4200); and OECD, Guideline 405, Acute Eye Irritation/Corrosion. The test article is applied into the conjunctival sac of one eye with the other serving as a nontreated control. A single animal is tested initially and if the results of this test in 1 rabbit indicate the test article to be severely irritating or corrosive to the eye, further testing is not conducted. In addition, if the first animal treated appears to be in obvious pain, the test and control eyes are immediately treated with a topical anesthetic (e.g., proparacaine HCl). Further use of analgesics could potentially interfere with the interpretation of the Eye Irritation Test. In addition, MPI policy maintains that Eye Irritation Studies will not be conducted if the test material is a known or determined to be a dermal irritant.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

See Attached

1. REGISTRAJION NO 32 34 R 00 32

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Gode) Corning Corporation

Health & Environmental Science P.O. Box 994

P.O. Box 994 Midland, MI 48686-0994

Status: Active

NOV 0 2 1999

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for the sheets if necessary.)

FACILITY LOCATIONS (Siles)

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred. conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (COIs. C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	0	0	0
Hamsters	0	0	0	0	0
d. Rabbits	0 .	. 0	18	0	18
Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0 -	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals	0	0	0	0	0
	<u> </u>				

### ASSURANCE STATEMENTS

APHIS FORM 7023

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures

(Replaces VS

- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL.

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 USC Section 2143)

IGNATURE 20 50. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

250C799

18-23 (OCT 88), which is obsolete)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

# 1. REGISTRATION 190033 34R0033

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Western Michigan University

Research & Sponsored Programs
P.O. Box 994
Kalamazoo, MI 49008

Status: Active

522

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adultional sheets if necessary or use APHIS FORM 7023A.) Number of animals upon which teaching, B. Number of C Number of D. Number of animals upon experiments, research, surgery or tests were conducted involving accompanying pain or distress animals being animals upon which experiments, which leaching, Animals Covered bred. teaching, research, conditioned, or to the animals and for which the use of appropriate By The Animal Welfare Regulations research. surgery, or tests were TOTAL NO. experiments, or anesthetic, analgesic, or tranquilizing drugs would held for use in OF ANIMALS conducted involving have adversely affected the procedures, results, or teaching, testing, lesis were accompanying pain or experiments, interpretation of the teaching, research, conducted distress to the animals involving no experiments, surgery, or tests. (An explanation of research, or (Cols. C + D + E) and for which appropriate the procedures producing pain or distress in these surgery but not pain, distress, or anesthetic, analoesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were purposes. relieving drugs. must be attached to this report). used 4. Dogs Cats 6. Guinea Pigs 137 137 Hamsters Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals

### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary caré and to oversee the adequacy of other aspects of animal care and use

(Chief Executive Offi	EADQUARTES RESEARCH FACILITY OFFICIAL (b)(6), (c) cer or Legally Responsible Institutional Official) crive is true, correct, and complete (7 USC Section 2143)	117/6)
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME A TITLE OF CEO OR INSTRUCTIONAL OFFICIAL (Type or Print)	DATE SIGNED
		10/15/90

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRAJION NO 35 34 R 00 35

FORM APPROVED
OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) College

35 East 12th Street
P.O. Box 994
Holland, MI 49422-9000
Status: Active

### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

199

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

Peale Science Center - 35 East 12th Street, Holland, MI 49422-9000

FACILITY LOCATIONS (Siles)

See Attached

Peale Science Center

Anunals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (COIs. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters		10			10
8. Rabbits					,
Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
A 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10					
<del></del>			·		

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The alternation for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

Ecertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

CC! 3

DATE SIGNED

9/23/99

SIGNATURE OF CE O OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO 037

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Cole lam Beaumont Hospital Research Institute 3601 West 13 Mile Road

> Royal Oak, MI 48073-6769 Status: Active

DEC 0 1 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites) See Attached

Research Institute Building

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL  (COIS. C D + E)
4. Dogs			54		54
5. Cats			10		10
6. Guinea Pigs					
7. Hamsters				•	
8. Rabbits			102		102
9. Non-human Primates			3		3
10. Sheep					
11. Pigs			69		69
12. Other Farm Animals					
13. Other Animals					
1					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) 1 certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

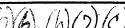
DATE SIGNED

, William Beaumont Hos

Research Institute

S FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )



See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO.38 2

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, unclude Zip Gode) Oakland University

Office of Research & Academic Development Rochester, MI 48309-4401

Status: Active

actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional 3. REPORTING FACILITY (List all locations where animals were housed or used sheets if necessary.)

FACILITY LOCATIONS (Siles)

Site #005; Dept. of Psychology

A	Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or fests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affacted to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4.	Dogs					
5.	Cats			4		4
6.	Guinea Pigs	44	182			182
	Hamsters	·				
ن	Rabbits	14	321	105		426
9.	Non-human Primates					
10.	Sheep					
11.	Pigs					
12.	Other Farm Animals					
				3 .		
13.	Other Animals					
		•			·	
,						

- Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

(Chief Executive Office	HEADQUARTES RESEARCH FACILITY OFFICIAL ficer or Legally Responsible Institutional Official) bove is true, correct, and complete (7 U.S.C. Section 2143)		
GNATURE OF CONSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (7)		

DATE SIGNED

11/23/99

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 14 34R 0044

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Z. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Central Michigan University

. Office of Research & Sponsored Programs

Development Foust 251 Mount Pleasant, MI 48859

Status: Active

1. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

See Attached

Biology Department

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompunying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F. TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	0				
5. Cats	0				
6. Guinea Pigs	0				
7. Hamsters	0	,			12
8. Rabbits	12	11	1		12
9. Non-human Primates	0				
10. Sheep	0 .				
11. Pigs	0,	-			
12. Other Farm Animals	0				
		,			
13. Other Animals					ļ
gerbils	60	60			60
white-footed	20	20			20
mice			,		

## ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered atternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL.

(Chief Executive Officer or Legally Responsible Institutional Official)

(Country that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

9-17-99





600 S. Lincoln Street

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

203

See Attached

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRAJION NO. 34-R-0050 34R 0050

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Foundation for Behavioral Resource

600 S. Lincoln Street

Development

Augusta, MI 49012

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach addictional sheets if necessary or use APHIS FORM 7023A.) Number of animals upon which feaching, B. Number of C Number of D. Number of animals upon experiments, research, surgery or lests were animals being animals upon which experiments, conducted involving accompanying pain or distress which leaching, bred. **Animals Covered** leaching, research, to the animals and for which the use of appropriate conditioned, or research, TOTAL NO surgery, or tests were conducted involving By The Animal anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS held for use in Welfare Regulations experiments, or have adversely affected the procedures, results, or teaching, testing, lesis were accompanying pain or interpretation of the teaching, research, experiments, conducted distress to the animals experiments, surgery, or tests. (An explanation of (Cols. C + D + E) research, or involving no and for which appropriate surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. used 4. Dogs Cats 6. Guinea Pigs Hamsters **Rabbits** 2 2 34 Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals

## ASSURANCE STATEMENTS

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CERTIFICATION BY HEAD	QUARTES RESEARCH FACILITY OFFICIAL
	r Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED 11/11/99

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 4R005

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Calvin College

3201 Burton Street, S.E.

**Development** 

Grand Rapids, MI 49546

Status: Active

NOV 2 9 1999

#213

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adultional sheets if necessary or use APHIS FORM 7023A.) B. Number of C Number of D. Number of animals upon Number of animals upon which feaching, experiments, research, surgery or tests were animals being animals upon which experiments, bred which leaching, conducted involving accompanying pain or distress **Animals Covered** teaching, research, conditioned, or to the animals and for which the use of appropriate By The Animal research. TOTAL NO surgery, or lesis were held for use in anesthetic, analgesic, or tranquilizing drugs would experiments, or Wellare Regulations OF ANIMALS conducted involving teaching, testing, have adversely affected the procedures, results, or accompanying pain or interpretation of the teaching, research, experiments. conducted distress to the animals experiments, surgery, or tests. (An explanation of research, or involving no (Cols. C + D + E) and for which appropriate surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or animals and the reasons such drugs were not used vet used for such use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs Dogs Cats Guinea Pigs Hamsters Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals

# **ASSURANCE STATEMENTS**

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	CERTIFICATION BY HEADQUARTES	S RESEARCH FACILITY OFFICIAL
2	(Chief Executive Officer or Legally I	lesponsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

IGNATURE OF CEO OF INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL Clype or Print)

1 REGISTRATION NO.

34R0060

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

rincluse Zip Code)
Racomb Community College
44575 Garfield Road

Development ...

Clinton Township, MI 48038

Status: Active

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

FACILITY LOCATIONS (Siles)
See Attached

A. Animals Covered By The Animal Welfare Regulations	B Number of animals being bred. Conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or fests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	48		48		48
5. Cais	48		48		48
6. Guinea Pigs	4		4		4
7. Hamsters	8	5	8		8
Rabbits	5		5		5
9. Non-human Primates	0.		0	,	0
10. Sheep	0		0		0
11. Pigs	0		0		0
12. Other Farm Animals	0	'	0	·	0
13. Other Animals					
Gerbils	8		8		8
Mice	8		8		8
Rats	6		6		6

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approvale use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of unimal care and use

CERTIFICATION BY HEADQUARTES R	ESEARCH FACILITY OFFICIA
(Chief Executive Officer or Legally Res	ponsible Institutional ()fficial)
A	

(7 U.S.C. Section 2143)

DATE SIGNED

NATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolute )

(a)(a),(a)(7)(c

1. REGISTRATION 19064 34 ROOGA

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
BOT gess Medical Center

1521 Gull Road

Development

Kalamazoo, MI 49001

Status: Active

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

REPORTING F

3. REPORTING FACILITY sheets if necessary.)	(List all locations where an	imals were housed or used	in actual research, testing	, leaching, or exp	perimentation, or held for the	e purposes.	Attach additional
		FA	CILITY LOCATIONS (Siles	, .		·	·

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach autiditional sheets if necessary or use APMIS FORM 7023A) B. Number of Number of animals upon which teaching, C Number of D. Number of animals upon animals being experiments, research, surgery or tests were animals upon which experiments, which leaching, conducted involving accompanying pain or distress Ammais Covered bred. leaching, research. to the animals and for which the use of appropriate conditioned, or By The Animal research. TOTAL NO surgery, or tests were held for use in anesthetic, analgesic, or tranquilizing drugs would Welfare Regulations experiments, or conducted involving OF ANIMALS have adversely affected the procedures, results, or teaching, testing, lesis were accompanying pain or experiments, conducted interpretation of the teaching, research, distress to the animals (Cols. C + D + E) research, or involving no experiments, surgery, or tests. (An explanation of and for which appropriate surgery but not the procedures producing pain or distress in these pain, distress, or anesthetic, analgesic, or yel used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were relieving drugs. purposes. must be attached to this report). used Dogs Cats Guinea Pigs Hamsters Rappits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals **ASSURANCE STATEMENTS** 

- Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

IGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

10/7/99

1. REGISTRATION NOO68 34R0068

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Michigan Dept. of Natural Resource

Wildlife Division P.O. Box 30028

Lansing, MI 48909 Status: Active

(see attached)

. NOV 0 8 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Houghton Lake Wildlife Research Station

120 3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

sheets if necessary.) FACILITY LOCATIONS (Siles) 1 See Attached Cusino Wildlife Research Station Rose Lake Wildlife Research Center

REPORT OF ANIMALS USED BY OR				cessury or use APHIS FORM 7023A.)	
A.  Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs				. ,	
5. Cats					
6. Guinea Pigs					
7. Hamsters					
Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals		,			
13. Other Animals	<u> </u>				
White-tailed deer	6	6a			6
			3		
ASSURANCE STATEMENTS	a Nutrition	al or behav	vioral studies i	involving no pain	

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures

INSTITUTIONAL OFFICIAL

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

> CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) DATE SIGNED

**APHIS FORM 7023** 

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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE ON MOTARTEIDER

FORM APPROVED .

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

34 - R - 0069

2. HEADQUARTERS RESEARCH FACILITY (Herre and Address, 88 registered with USDA

Spectrum Health Downtown Campus ]00 Michian, NE Grand Rapids, MI 49503

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where attends were housed or used in actual resourch, testing, teaching, or experimentation, or hald for those purposes. Assets additional

Sudding Section (		
	FACILITY LOCATIONS ISSUED	
	ŧ	
See Attached		

Annigh Compa By Try Animol Waltere Rogulations	II. Number of prurate being bred. Conditioned, or held for use in technique, testing, asperaments, resourch, or hergery but not yet used for each pur posses.	C Number of sommers upon which teaching, research, asperuments, or lesis were conducted amounting to pain, distress, or use of passing drugs, and passing drugs.	D hyphby will ultarish start which deportunity, leaching, respect, suggest, or leafs were cound ucted interining secromodiscied interining secromodiscied interining secromodiscied interinity and for which open rivinity and secretary and secretary of the rivinity of the rivi	Ensure or use APHS FORM (020A)  E. Number of onimula upon which teaching, experiments, research, surgery or lests were conducted involving accumonarying path or district to the onimais and for which the use of appropriate analyticitic, hardgomic, or transplating drugs would have adversely affected the procedures, results, or insulpatation of the transplating, the procedure, results, or experiments, surgery, or tests, the organisms of the procedures producing parm or districts in these animals and the research such drugs were not used must be affected to this reports.	P.  TOTAL NO OF ANMARLE  (Cols. C + D + E)
4. Dogs	0	0	6	0	6
S. Cals	0	0	23	0	23
5. Guinea Pigs	0	0	0	0	0
7. Hamslors	0	0	0	0	0
Rabbits	0	0	0	0	0
Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11 Pigs	0	0	0	0	0
12. Othor Farm Animalis	0	0	0.	0	0
3. Other Animale -	0	0	0	0	0

#### ASSURANCE STATEMENTS

- ng the care, treatment, and use at animals, inclining squirolists use of mostheric, anargous, and tranquilland drugs, pain 16. dwill-8, and employ, or departmentation were inflored by this research liability. Proluctionally acceptable flandards (comming the care, ficeling and following actual research, leading, testing, surgery, at day
- 2) Each in marinal programme has conceived allerialings in painted procedures
- This locally is advanting to the standards and regulations under the Act, and it has registry that anoughout to the standards and impulsioned to applying and applying the institutional Animal Care and Use Commuter (InCLC). A summary of all acts ances from the institutional Animal Care and Use Commuter (InCLC). A summary of all acts ances from the included to this ances of the computer of the Included to the summary includes a brief exponential of the exceptions, as well as the Species and number of absolute the included to the computer of the computer of the summary includes a brief exponential of the exceptions, as well as the Species and number of absolute the computer of the In This leadily is add
- 4) The astunding resembles for this remarch luckey has approxima authority to ensure the provision of adequate retermory uses and to oversee the adequate of other astrocky of animal their and are

CERTIFICATION BY HEADQUARIES RESEARCH FACILITY OFFICIAL. (Chief Executive Officer or Legally Responsible Institutional Official) (metally that the states is true, control and complete if USG Section 2143)						
SIGNATURE OF C.S.O. OR RISTITUTIONAL OPPICIAL	NAME & NTLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (FYING OF PINN)	11/29/99				

APHIS FORM 7023 (AUG 31)

Mediaces vs roam (4:20 |OCT 88), which is obsolving | Health, Downtown and East Campus

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TOTAL P.01

additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NOT3 34R007

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Immuno-U.S., Inc.

1200 Parkdale Road 251 Michigan, NE Rochester, MI 48307 Status: Active

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

See Attached

FACILITY LOCATIONS (Siles)

1200 Parkdale Road, Rochester, MI 48307-1744

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMAL  (Cols. C 4 D + E)
4. Dogs					
5. Cats				,	
6. Guinea Pigs	0	108			108
7. Hamsters					
. Rabbits	43	606			649
9. Non-human Primates			•		
0. Sheep					
1. Pigs					
2. Other Farm Animals					
3. Other Animals					
			·		

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the rins facinity is admirted to the standards and explained by the principal investigator and approved by the Institutional Annial Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarial for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

GNATURE OF C.E.A. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)



See reverse side for additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION MOI 21 34 ROIZI

FORM APPROVED OMB NO. 0579-0036

HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code).
 Northern Michigan University

1401 Presque Isle Avenue 251 Michigan, NE Marquette, MI 49855

Status: Active

424

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Affach addictional sheets if necessary or use APHIS FORM 7023A) E. Number of animals upon which teaching, B. Number of C Number of D. Number of animals upon animals being experiments, research, surgery or tests were animals upon which experiments, conducted involving accompanying pain or distress bred, which leaching, **Animals Covered** teaching, research, to the animals and for which the use of appropriate conditioned, or By The Animal research, TOTAL NO surgery, or tests were anesthetic, analgesic, or tranquilizing drugs would held for use in **Welfare Regulations** experiments, or OF ANIMALS conducted involving teaching, testing, have adversely affected the procedures, results, or lesis were accompanying pain or interpretation of the teaching, research, experiments. conducted distress to the animals experiments, surgery, or tests. (An explanation of research, or (Cols. C + D + E) on pnivlovni and for which appropriate surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or vet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs used. Dogs Cats Guinea Pigs Hamsters 8. Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(Chief Executive Officer or 1	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) s, correct, and complete (7 USC Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED

APHIS FORM 7023 (Replaces VS FOR (AUG 91)

obsolete)

Site: 001 Status: Active

Psychology Department: Gries Hall" 309 Cohodas Marquette, MI 49855

County: Marquette

Site: 002 Status: Active

Siclogy Department West Science Building 309 Cohodas Marquette, MI 49855 County: Marquette

all sudaction > (b)(6) sudaction > (b)(7)(6) 34 R0121

Contact Person:

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO142

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) igan Technological University

Research & Graduate School 1400 Townsend Drive

Houghton, MI 49931-1295 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

**FACILITY LOCATIONS (Sites)** Sob-Mt-talched

2nd Floor, Dow Environmental Sciences and Engineering Building

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs			·		
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs			·		
12. Other Farm Animals					
13. Other Animals					
Deer Mice			175		175
Wolves			4		4

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
,	(Chief Executive Officer or Legally Responsible Institutional Official)

Learnify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/19/99

**APHIS FORM 7023** 

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

See reverse side for

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO 44

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

nclude Zip Code) Parkedale Pharmaceuticals 870 Parkdale Road 1400 Townsend Drive

Rochester, MI 48307 Status: Active

FACILITY LOCATIONS (Siles)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

Building 37 at Parkedale Pharmaceuticals, Inc. (above address)

See Attached

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMAL  (Cols. C -  D + E)
4. Dogs					N/A
5. Cats					N/A
6. Guinea Pigs	0	1655	250	0	1905
7. Hamslers					N/A
8. Rabbits					N/A
9. Non-human Primates				-	N/A
10. Sheep					N/A
11. Pigs					N/A
12. Other Farm Animals				,	N/A
13. Other Animals				NOV 0 0 1000	
Ferrets	.0.	0	105	NOV 2 9 1999 0	105
<del></del>	<del> </del>				

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use

(Chief Executive Officer or	QUARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) ne, correct, and complete (7 USC Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
(a) (b) (c)		

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRAJION NO 145 34 ROLA

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Esperion Therapeutics, Inc.

3621 S. State Street

695 KMS Place

Ann Arbor, MI 48108 Status: Active

OCT | 8 1999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

See Attached Cayman Chemical: 1180 E. Ellsworth Rd REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM 7023A) Number of C Number of D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments, conducted involving accompanying pain or distress bred. which teaching, **Animals Covered** teaching, research, surgery, or lests were conditioned, or to the animals and for which the use of appropriate TOTAL NO By The Animal research. held for use in anesthetic, analgesic, or tranquilizing drugs would experiments, or OF ANIMALS Wellare Regulations conducted involving have adversely affected the procedures, results, or teaching, testing, lesis were accompanying pain or interpretation of the teaching, research, experiments, conducted distress to the animals research, or experiments, surgery, or tests. (An explanation of (Cols. C + D + E) involving no and for which appropriate the procedures producing pain or distress in these surgery but not pain, distress, or anesthetic, analoesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. Dogs Cats Guinea Pigs Hamsters Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals ASSURANCE STATEMENTS

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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of anunal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL. (Chief Executive Officer or Legally Responsible Institutional Official), I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

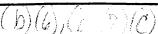
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

UQ

**APHIS FORM** (AUG 91)



ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 46 4R0146 FORM APPROVED OMB NO 0579-0036

d Address, as registered with USDA 2. HEADQUARTERS RESEARCH FACILITY (Ng. include

> 72011 Campground Rd 695 KMS Place

Romeo, MI 48065 Status:

78994

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) FACILITY LOCATIONS (Siles) ķ. See Attached

				APHIS FORM 70234 )	
REPORT OF ANIMALS USED BY OR	UNDER CONTROL OF	RESEARCH FACILITY	(Altach adiditional sheets if ne	E. Number of animals upon which teaching,	F.
	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters			10		10
8. Rabbits	10		10		10
9. Non-human Primates					
10. Sheep					
11. Pigs		-			
12. Other Farm Animals					
an Ohan Asimala					
13. Other Animals					

## ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

OF INSTITUTIONAL OFFICIA

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO 41-R-0001 41R000

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
ViroMed Laboratories, Inc.

2540 Executive Drive

P.O. Box 26509

St. Paul, MN 55120

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites) See Attached

ViroMed Laboratories Inc 2540 Executive Dr. St.Pa

Hospita MANIS MA

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs/were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs		2957			2957
7. Hamsters					
8. Rabbits	30	318	105		453
9. Non-human Primates					
10. Sheep					
11. Pigs					·
12. Other Farm Animals					
13. Other Animals					

## **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

FICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL of Executive Officer or Legally Responsible Institutional ()fficial) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143). SIGN

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023

replaces VS FORM 18-23 (OCT 88), which is obsolete)

(AUG 91)

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO002

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

See Attached

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code) cal Sensors, Inc. 7615 Golden Triangle Drive

P.O. Box 26509 Minneapolis, MN 55344

Status: Cancelled

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) FACILITY LOCATIONS (Siles)

	· .				
REPORT OF ANIMALS USED BY C	OR UNDER CONTROL OF	F RESEARCH FACILITY	(Attach adiditional sheets if ne	rcessary or use APHIS FORM 7023A.)	
A. Animals Covered* By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS (Cols. C + D + E)
4. Dogs		,			
5. Cats		` .			
6. Guinea Pigs					
7. Hamsters			1		
8. Rabbits	Ø	Ø	$\varphi$	Ø	Ø
9. Non-human Primates		,	·	,	,
10. Sheep	·				
11. Pigs					
12. Other Farm Animals					
13. Other Animals			ı		
			,		
	·				
SSURANCE STATEMENTS		<del></del>			

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- 2) Each principal investigator has considered alternatives to painful procedures
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use

		CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICE	lΑ
(I) (I)	(h/2)(c)	(Chief Executive Officer or Legally Responsible Institutional Official)	
1 11/61	(ん/ク///)	Legibly that the above is true, correct, and complete (7 U.S.C. Section 2143)	Λ

DATE SIGNED

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

9/15/55

APHIS FORM

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

See reverse side for additional information

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

1. REGISTRATION NO. 0003 41R 0003

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Gode) Broup Health Foundation HealthPartners Researc

640 Jackson Street

Foundation

P.O. Box 26509 St. Paul, MN 55101-2595

Status: Active

DEC 02 1999

(TYPE OR PRINT) \*x59

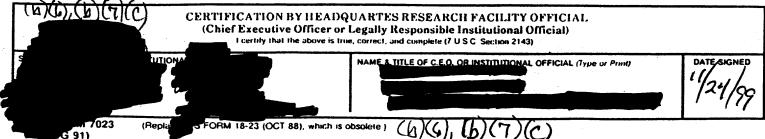
3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

See Attached

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS (Cols. C + D + E)
4. Dogs	2	0	32	0	32
5. Cats	1	0	0	0	1
6. Guinea Pigs	0	0	Ö	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	7	0	63	0	63
9. Non-human Primates	0	0	0	0	0 أي
10. Sheep	4	0	24	0	24
11. Pigs	. 6	0	113	0	113^
12. Other Farm Animals					
13. Other Animals					
Rats	17.	0	105	0	105
Mice	24	0	360	0	360

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of



ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

# 1. REGISTRATION NO. 41R0000

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and include Zip Code) Mayo Foundation

Status: Active

200 First Street, S.W. 516 Delaware Street, SE Rochester, MN 55905

----3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Guggenheim Bldg., Medical Sciences, Alfred Unit, Institute Hills Research Facility; Rochester, MN

<u>Johnson Research Bldg.: Scottsdale. AZ</u>

Birdsall Medical Res. Bldg.; Jacksonville, FL

A	B. Number of		Y	cessary or use APHIS FORM 7023A)	<u> </u>
Animals Covered By The Animal Welfare Regulations	b. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number ol animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	19	202	450	0	652
5. Cats	0	12	9	0	21
6. Guinea Pigs	0	395	342	0	737
7. Hamsters	0	103	49	0	152
8. Rabbits	0	942	403	0	1345
9. Non-human Primates	12	0	60	0	60
10. Sheep	0	4	8	0	12
11. Pigs	1	82	989	0	1071
Bovine 12. Other Farm Animals	0	0	15	0	15
Goats	5	14	0	0	14
13. Other Animals	0	6	0	0	6
Ferrets	0	85	16	0	101
Bears	0	0	1	0	1
ASSURANCE STATEMENTS					

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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

C.E.O. OR INSTITUTIONAL DEFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

10/18/99

Mayo Rochester

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

# 1. REGISTRAZION NOOT 41 R OOD

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code) Minneapolis Medical Research Found Grants/Contracts-600 HFA Bldg 914 S. Eighth Street D-6 Minneapolis, MN 55404

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional Minneapolis Medical Research Foundation

**FACILITY LOCATIONS (Sites)** See Attached

D-10 Surgical Facility

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	16	0	16
5. Cats	2	0	8	0	8
6. Guinea Pigs	0	0	0	. 0	0
7. Hamsters	0	0	, O	0	0
8. Rabbits	0	1	96	. 0	97
9. Non-human Primates	0	0	0	0 -	0
10. Sheep	0	1	128	0	129
11. Pigs	0	0	85	0	85
12. Other Farm Animals	0	0	0	0	0
13. Other Animals	0	0	0	0	0

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official) Learnity that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

Minneapolis Medical Research Foundation

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO 41R0008

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) 3M Laboratory Animal Research Serv

3M Center / 270-2A-08

914 S. Eighth Street D-6 St. Paul, MN 55144-1000

Status: Active

ŧ.

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

See Attached

3M Center, Bldg. 270-2A-08

DEC 0 1 1999

St. Paul, MN 55144-1000

A.  Animals Covered :  By The Animal  Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	61	13	8	0	21
5. Cats	0	0	0	0	0
6. Guinea Pigs	30	721	3	o ·	724
7. Hamsters	0	0	o <sup>\</sup>	0	0
8. Rabbits	0	288	48	0	336
9. Non-human Primates	16	0	16	0	16
10. Sheep	0	0 -	0	0	0
11. Pigs	6	0	25	0	25
12. Other Farm Animals	0	0	2	0	2
13. Other Animals					
				· 4 ·	
ASSURANCE STATEMENTS					

### SSURANCE STATEMENTS

APHIS

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(Chief Executive Officer	DQUARTES RESEARCH FACILITY OFFICIAL or Legally Responsible Institutional Official) true, correct, and complete (7 U S C Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL  (b)(c)  (c)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)  (b) (c)  (b) (7) (c)	DATE SIGNED 11/29/99

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )

I according to the regulations can nalties as provided for in Section 2150.

See 1 addir nformulum

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 4 R001 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

FORM APPROVED CMB NO. 0579-0036

# ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Code; St. John's University/Collegeville P. O. Box 3000

914 S. Eighth Street D-6 Collegeville, MN 56321-3000

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

See Attached

FACILITY LOCATIONS (Siles)

Science Center St. Johnie

REPORT OF ANIMALS USED BY	OR UNDER CONTROL O	F RESEARCH FACILITY	(Affach adiditional anters if n	UCUSSURY OF USE APHIS FORM 7023A)	
Animals Covered By The Animal Welfare Regulations	8. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number at animals upon which experiments, teaching, recearch, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anosthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analysis, or tranquitizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	F.  TOTAL NO.  OF ANIMALS  (Cois. C +  D + E)
4. Dogs					
5. Cats			·		
6. Guinea Pigs					
7. Hamsters				:	/
8. Rabbits		6			7
9. Non-human Primates				-	_ ع
10. Sheep					
11. Pigs			·		
12. Other Farm Animals					
13. Other Animals					`
	/				
ACCURAGE OF					
ASSURANCE STATEMENTS				- Smili	

- 1) Prolessionally acceptable standards governing the core, treatment, and use of animals, including apprortals and amendates and tranquillaing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

Labridy that the above is true, durrent, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OI

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Printly

DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 78-23 (OCT 88), which is obsolete.)

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ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 15 41R 0015

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Medtronic, Inc.

7000 Central Avenue, NE 914 S. Eighth Street D-di Minneapolis, MN 55432

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held Tor these purposes." Affacts additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

See Attached

Physiological Research Laboratories

River Valley Farms, Inc

Status: Active

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompunying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	34	0	197	0	197
5. Cats	0	0	0	0	0
5. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0	. 0	0
3. Rabbits	19	0	73	0	73
9. Non-human Primates	0	0	0	0	0
10. Sheep	15	0	87		87
I1, Pigs	14	0	96	0	96
2. Other Farm Animals	0	0	0	0	0
3. Other Animals	0	0	0	0	0

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of aniesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL	
(Chief Executive Officer or Legally Responsible Institutional Official)	,

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

1. REGISTRATION NO022

41R002

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Eardiac Pacemakers, Inc.

4100 Hamline Avenue North 914 S. Eighth Street D-6 St. Paul, MN 55112 Status: Active

NOV 1 5 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Affach additional sheets if necessary.) **FACILITY LOCATIONS (Sites)** See Attached REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM 7023A.) B. Number of C Number of E. Number of animals upon which teaching, D. Number of animals upon animals upon animals being experiments, research, surgery or lesis were which experiments, which leaching, **Animals Covered** bred. conducted involving accompanying pain or distress teaching, research, By The Animal conditioned, or to the animals and for which the use of appropriate research. surgery, or lests were TOTAL NO. Welfare Regulations held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would conducted involving OF ANIMALS leaching, testing, tests were have adversely affected the procedures, results, or accompanying pain or experiments, conducted interpretation of the teaching, research distress to the animals involving no research, or experiments, surgery, or tests. (An explanation of and for which appropriate (Cols. C + D + E) surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or yet used for such use of painanimals and the reasons such drugs were not used tranquilizing drugs were relieving drugs. purposes. must be attached to this report). 23 Dogs Cats Guinea Pigs Hamsters 8. Rabbits Non-human Primates ŽĮ. 10. Sheep 4/4 64 11. Pigs Other Farm Animals

## ASSURANCE STATEMENTS

Sheep 13. Other Animals

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	(Chief Exe	cutive Officer or I	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) , correct, and complete (7 U.S.C. Section 2143)	
SIGNATI C.E.O. OR INSTITUTE	OFFICIAL	(b)(c) (b)(r)(c)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED

See reverse side for · · · · additional information.

Interagency Report Control No 0180-00A-AN

, UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NOD22 4R002 FORM APPROVED OMB NO 0579-0038

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

ra in transfer in the same of

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Cardiac Pacemakers, Inc.

4100 Hamline Avenue North 914 S. Eighth Street D-6 St. Paul, MN 55112

Status: Active

= NOV 1 5 1999

ed (2.10) 100 (4.11) 100 (2.11)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additionalsheets if necessary.)

FACILITY LOCATIONS (Sites) 1940gt w/

L TON DO NOT LA

GUIDANT INTERMEDICS INC.

BIOMEDICAL TEST FACILITY

(D40686)

254

4000 TECHNOLOGY DRIVE <u>77515</u>

ANGLETON: TEXAS REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adjulitional sheets if necessary or use APHIS FORM 70234.)

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or lests were conducted involving no pain, distress, or	D. Number of animals upon	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	F. TOTAL NO. OF ANIMALS  (Cois. C + D + E)
4. Dogs	15	· -0-	70	-0-	70
5. Cats					
6. Guinea Pigs					· · · · · · · · · · · · · · · · · · ·
7. Hamsters			\		
8. Rabbits			,		
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals	-				
					•

#### **ASSURANCE STATEMENTS**

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(6) ( b

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNAT E.E.O. OR INSTITUT AL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

(b)(6), (b)(7)(c)

TAST SEACGUARTERS



BIRG-DOALAN

UNITED STATES DEPARTMENT OF AGRICULTURE AMINAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

1. NEGISTRATION NO. 41-8-0025

COUNTY MADE

2. HEADQUARTERS RESEARCH FACILITY (Name and Add

Dia Sorin Inc. 1990 Industrial Bird. Still Water, MN 55082

(TYPE OR PRINT)

1. REPORTING FACELTY (List all locations where arrivals were housed or used in actual research, testing, leaching, or experimentation, or held for these purposes. Attack administrational sneets it necessary.)

FACILITY LOCATIONS (Save) Atlantic Antibodies 52 Anderson Road Windham Maine

Animals Covered By The Animal Welfare Regulations	8. Number of animals being beed, conditioned, or held for use in teaching, leasing, experiments, insector, or surgery but not yet used for such, purposes.	C humber of animals upon which teaching, research, auperiments, or leafs were conducted modified to peer, destress, or use of peer, resteving drugs.	D. lauming of assential upon which experiments, reaching, resealtch, surgery, or leafs were conducted involving accompanying period of derivers to the animals and for which appropriate anisotopic analysist, or transpillizing drugs were used.	E. Number of animals upon which leaching, impairment, research, surgery or leads were conducted involving accombining pain or diverses to the animals and for which the use of appropriate anesthetic, anelgosic, or tranquitizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these initials and the research such drugs were not used must be attached to this report).	TOTAL NO. OF AMERICALS.  {Cols. C + D + E}
4. Dogs					
5. Cars					
8. Guinea Pigs	·		1		
7. Hamsiers					1
8. Raphits	11	116	41	0	157
9. Non-human Primates					
10. Sheep	0	17		0	18
11. Pigs					<b></b>
12. Other Farm Animals					200
Goats	- 43	201	64		265
13. Other Animals					
					T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	1				

# ASSURANCE STATEMENTS

- 1) Prolessionally acceptable standards governing the care, treatment, and use of animals, lactuding approximit use of anotherist, analgonic, and tranquishing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to pelatel princedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUS). A summary of all such discaplines is attached to this animal report. In addition to identifying the IACUC approved exceptions, this summary includes a Brief explanation of the exceptions, as well as the species and number of animals affected.

	The attending veternance for this research facility has appropriate Julhonly to ensure the provision of adequate veterinar	A COLD THE TO GREETER HIS SCHOOLS IN MINISTER WHEN AND
4)	The attending veterinaries for this research facility into appropriate	4163616
	All has seen to man	

animal care and use.			(A)(G) (G) (7)(C)
and walks	(Chief Evecutive Officer or	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) a, correct, and compute (7 U.S.C. Section 2143).	
SIGNATURE OF CEO. OR INSTITUTION	AL OFFICIAL	MAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or I	Print BATE SIGNED

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NOO25

FORM APPROVED OMB NO. 0579-0036

0025 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Gold TAR Corporation Dia Sorin Inc.

1990 Industrial Blvd.

P. O. Box 285

Stillwater, MN 55082

Status: Cancelled

(TYPE OR PRINT) 693

ANNUAL REPORT OF RESEARCH FACILITY

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

See Attached

FACILITY LOCATIONS (Siles)

Atlantic Antibodits (Now Strategic Biosolutions)

12 Anderson Road, Windham, Maine 04062

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals, upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
i. Dogs					
5. Cats					
3. Guinea Pigs			\		
7. Hamsters	,				,
3. Rabbits	11	116	. 41	0	157
Non-human Primates					137
10. Sheep	0	17	/	0	18
1. Pigs					/ 0
2. Other Farm Animals					
Goats	93	201	64	8	265
3. Other Animals				-	743
					······································
SSURANCE STATEMENTS  1) Professionally acceptable sta		<del></del>			

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, feaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

		0101	10/10/10
(Chief Executive Officer or	QUARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) ie. correct, and complete (7 U.S.C. Section 2143)	(13)(4)	(b)(1/(c)
GNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Pri	00	DATE SIGNED
(b)(7)(c)			5/11/99

PHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete

See reverse side for additional information.

Interagency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

1. REGISTRAZION NOOZ8 41 ROO28

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Medical Institute of Minnesota

5503 Green Valley Drive

P. O. Box 285 Bloomington, MN 55437

Status: Active

(TYPE OR PRINT)

3. REPORTING FACILITY (List all ) sheets it necessary.)	ocations where animals	were housed or used	in actual rese	arch, lesting, leac	hing, or exp	perimentation, or	held for these	purposes. Alla	ch additional
See_Attached		FA	CILITY LOCAT	IONS (Sites)				e e	
REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	F RESEARCH FACILITY	l (Altach adidi	lional sheets if ne	cessary or	use APHIS FORM	7023A)		
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in feaching, festing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which-leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	which ex- teaching, surgery, conducte accompa distress-t and for w anestheti	of animals upon periments, , research, or tests were do involving mying pain or o the animals which appropriate c, analgesic, or ring drugs were	experi condu to the anesth have a interprexperi the pro- anima	er of animals upo ments, research, cted involving ac- animals and for v- letic, analgesic, o diversely affected relation of the tea- ments, surgery, o occodures produci is and the reason we attached to this	surgery or test companying pa which the use of r tranquilizing I the procedure ching, researc r tests. (An exp ing pain or dist s such drugs v	s were sin or distress appropriate drugs would es, results, or h, planation of tress in these	F.  TOTAL NO.  OF ANIMALS  (COIS. C +  D + E)
4. Dogs			Įċ.	9					109
5. Cats			45	<b>.</b>		·			42
6. Guinea Pigs		9							9
7. Hamsters	Marketon and the house of the	0							C
8. Rabbits	,		8						8
9. Non-human Primates		0	,						ð
10. Sheep									0
11. Pigs		0	··						
12. Other Farm Animals									
13. Other Animals							<del></del>		<del></del>
					<del></del>				
						v			
ASSURANCE STATEMENTS								<del></del>	

- Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(Chief Executive Officer	DQUARTES RESEARCH FACILITY OFFICIAL or Legally Responsible Institutional Official) Inne, correct, and complete (7 USC Section 2143)	(6)(7)(2)
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (b)(6)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)  (b)(6)  (b) (7)(C)	DATE SIGNED 9/27/99
APHIS FORM 7023		

(address as above)

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

# 1. REGISTRATION NOO29 AT ROOSE 41-R-029

FORM APPROVED OMB NO. 0579-0036

22

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Chaddren's Health Care of St. Paul

345 N. Smath Avenue

P. O. Box 285

8

St. Paul, MN 55102

Status: Active

551

See Attached

L-282A

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional FACILITY LOCATIONS (Siles)

L-284(address as above) REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adultional sheets if necessary or use APHIS FORM 7023A.) B. Number of C Number of E. Number of animals upon which teaching, D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments, Animals Covered bred, which leaching, conducted involving accompanying pain or distress leaching, research, conditioned or By The Animal research, to the animals and for which the use of appropriate surgery, or lesis were TOTAL NO. Wellare Regulations held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would conducted involving leaching, lesting, OF ANIMALS lesis were have adversely affected the procedures, results, or accompanying pain or experiments. conducted interpretation of the teaching, research, distress to the animals research, or involving no experiments, surgery, or tests. (An explanation of and for which appropriate (Cols. C + D + E) surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or yet used for such use of painanimals and the reasons such drugs were not used tranquilizing drugs were purposes. relieving drugs. must be attached to this report). used Dogs Cats Guinea Pigs 0. 15 15 Hamsters Rabbits Non-human Primates 10. Sheep

22

### ASSURANCE STATEMENTS

12. Other Farm Animals

13. Other Animals

11. Pigs

(piglets

- Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- Each principal investigator has considered alternatives to painful procedures

0

- 3X This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

(Chief Executive Officer or I certify that the above is to	QUARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) use, correct, and complete (7 USC Section 2143)	1,(6)(7)(4)
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (b)(6) (b)(7)(C)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Punt) (b)(6) (b)(7)(C)	09-24-99

0

1. REGISTRATION NO038

41R0038

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Dode Pet Care

Highwoods Plaza II, Suite 200 103 Powell Ct. Brentwood, TN 37027

Status: Active

DEC 0 6 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

600

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

Nelsen Kenn	els				
			·		
REPORT OF ANIMALS USED BY OF	UNDER CONTROL OF	F RESEARCH FACILITY	Y (Altach adiditional sheets if ne	ecessary or use APHIS FORM 7023A)	<del></del>
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	10	0	O	10
5. Cats	0	20	0	0	20
6. Guinea Pigs N/A					
7. Hamsters N/A					
8. Rabbits N/A	,	*			
9. Non-human Primates	· 				
10. Sheep //A				·	
11. Pigs N/A					
12. Other Farm Animals		,	٠.		
13. Other Animals			·		
	•				

- Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending vetermarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(b)(6),(b)(7)(c)	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)  1 certify markle above is tage, correct, and complete (7 USC Section 2143)
IGNATURE OF CEO OR INSTITUTION	LOSSICIAL

NAME & TITLE OF GEO. OR INSTITUTIONAL OFFICIAL GUY, CONTO,

DATE SIGNED

2/2/99

**ASSURANCE STATEMENTS** 

919 716 5696 P.05/07 #180-UUA-AN

additional Information

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

FORM APPROVED . DMB NO 0579-0936

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

41-R-0041 include Zia Caulet

Z. HEADQUARTERS RESEARCH FACILITY (Harne und Address. 48 registored with USDA

Minnesota Department of Health Public Health Laboratory

717 Delaware Street Southeast Minneapolis, MN-55440-9441

3. REPORTING FACILITY (List bil locations where purmais were housed or used in actival research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheers if necessary.)

FACILITY LOCATIONS (Siles)

Minnesota Department of Health

717 Delaware St. SE Minneapolis MN

A. Animals Covered By The Animal Welfare Regulations	B. Number of particle bring break, conditioned, or held for use in time-bring, testing, experiments, research, or surgesech, or yet used for such our DOSES.	C Number of paintain upon which reaching, research, experiments, to lests were conducted myshing to pen, distress, or use of paintain drugs.	D. Number of animals upon which appointents, inacting, research, assign, or tests were conducted involving accompanying pain or distress to the animals and the which appropriate anesthetic, inalgests, or inaugulating drugs were used.	anesthnic, analgesic, or lumquibling drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. Plin explanation of	AL NO. NIMALS L C + E)
4. Dogs					
5. Cats	1				
6. Guines Pigs				,	
7. Hamsters					
8. Rabbits	0	0	•	0 0	
9. Non-human Primates					
10. Sheep					
11. Pios					
12. Other Farm Animals					
~~~			,	•	
13. Other Animals					
				44	

- 1) Protessionally acceptable standards governing the circle treatment, and use of brunsts, including approvisions as at unesthetic, papiers, and tranquituring drugs, prior to, during, and following actual research, reaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Such principal investigator has considered alternatives to paratul procedures
- 3). This tacibity is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summery of all stick exceptions is attached to this annual report. In original type IACUC-upproved exceptions, this summary includes a brief explaination of the exceptions, as well as the species and member of unimals attached.
- 4) The attenting veteriturian for this research lacility has appropriate authority to ensure the provision of adequate veteritury care and to oversoe the adequate of other aspects of anneal care and use.

CENTURA MICH BUILD AND A DESCRIPTION OF A SECOND COMMENTAL AND COMMENTAL
CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
that am I mad
(Chief Executive Officer or Legally Responsible Institutional Official)
in the second of
A contract the state of the contract of the co

SIGNATURE C INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)

DATE SICKED

APHIS P (AUG 91)

(Ruplaces VS FORM 18-23 (OCT 88), which is obsolute )

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ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

same as#2 Headquarters Research Facility

# 1. REGISTRATION NO042 41R 0042

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and <sup>include Zip</sup> Ridgewater College

Veterinary Technology Dept. P. O. Box 1097 Willmar, MN 56201 Status: Active

1 Ad	dress, as r	egistere	d with USC	×_
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2	، حا ك	15 25	Q 75	' III
3				11
$\mathbb{I}$	NOV	0.2	1999	بال
دد	1107	v		

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles) See Attached

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adictional sheets if necessary or use APHIS FORM 7023A.) B. Number of E. Number of animals upon which teaching C Number of D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments, which teaching, Animals Covered = bred. conducted involving accompanying pain or distress teaching, research, conditioned, or to the animals and for which the use of appropriate By The Animal research. TOTAL NO surgery, or tests were held for use in Wellare Regulations anesthetic, analgesic, or tranquilizing drugs would experiments, or conducted involving OF ANIMALS teaching, testing, experiments, lesis were have adversely affected the procedures, results, or accompanying pain or interpretation of the teaching, research, conducted distress to the animals research, or involving no experiments, surgery, or tests. (An explanation of (Cols. C + D + E) and for which appropriate surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were purposes. relieving drugs. must be attached to this report) Dogs 17 24 13 10 Cats 23 8 Guinea Pigs 8 12 Hamsters Rabbits 6 Non-human Primates 10. Sheep Pigs 12. Other Farm Animals 13. Other Animals Chinchilla Ferret Hedgehog ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 41-R-0042

include Zip Code)

FORM APPROVED OMB NO 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Ridgewater College Veterinary Technology Dept. P.O. Box 1097

Willmar, MN

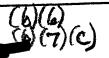
56201

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no	which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate angisthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these	TOTAL NO OF ANIMAL  (Cols. C O + E)
12 &/OR 13 Other (List by species)	surgery but not yet used for such purposes.	pain, distress, or use of pain- relieving drugs.	anesthetic, analgesic, or tranquilizing drugs were used.	animals and the reasons such drugs were not used must be attached to this report)	
Gerbils		12	·		12
Iguana ;		1,,			11
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- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects command care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
CERTIFICATION BY HEXPRONEITED RESERVED
(Chief Executive Officer or Legally Responsible Institutional Official)
(Chief Executive Officer of Began) Responsible Institute
Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)
I CELLIA HALL HE WOOLE IS A POLITICAL

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



DATE SIGNED

PART 1 HEADQUARTERS

See reverse side lor additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.43

RO043

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Gustavus Adolphus College

800 W. College Avenue

P. O. Box 1097

St. Peter, MN 56082

	Status:	Active
<ol> <li>REPORTING FACILITY (List all locations where animals were housed or used in actual respects it necessary)</li> </ol>	earch, testing, teaching,	or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)

Nobel Animal Facility REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adjultional sheets if necessary or use APHIS FORM 7023A.) B. Number of C Number of D. Number of animals upon Number of animals upon which teaching, animals being animals, upon which experiments experiments, research, surgery or tests were Animals Covered bred. which teaching, leaching, research, conducted involving accompanying pain or distress By The Animal conditioned or research. to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would Welfare Regulations surgery, or lesis were held for use in experiments, or TOTAL NO. conducted involving teaching, testing, lesis were OF ANIMALS have adversely affected the procedures, results, or accompanying pain or experiments. conducted interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of distress to the animals and for which appropriate research, or involving no surgery but not (Cols. C + D + E) pain, distress, or anesthetic, analgesic, or the procedures producing pain or distress in these vet used for such use of painanimals and the reasons such drugs were not used Iranquilizing drugs were purposes. relieving drugs. must be attached to this report). Dogs Cats Guinea Pigs Hamsters Rabbits 6 6 Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals

# ASSURANCE STATEMENTS

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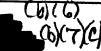
See Attached

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adeq

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

A.24.99

See reverse side for additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRAPION MO44

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

R 0041

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Embro Corporation 2460 Highway 100 South

O. Box 1097

St. Louis Park, MN 55416

Status: Active

3. HEPORTING FACILITY	(List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes.	Attach additional
sheets if necessary.)		The Country of the Co

FACILITY LOCATIONS (Siles)

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO.  OF ANIMAL:  (Cois. C +  D + E)
4. Dogs					NIA
5. Cats					WIA
6. Guinea Pigs					NA
7. Hamsters			٠		NIA
8. Rabbits					NIA
9. Non-human Primates			•		W/A
10. Sheep					N/A
11. Pigs					N/A
12. Other Farm Animals					N/A
13. Other Animals	•				NA
-	·		·		-

# **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL  (Chief Executive Officer or Legally Responsible Institutional Official)  Legally that the above is true, correct, and complete (7 U.S.C. Section 2143)						
SK OFCEO OR INSTITUTION OFFICIAL	(b)(7)(C)	DATE SIGNED  (HG), (H)(7)(4)  11-28-9	7			

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRAJIPJR 19045 41 R 0045

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

include Zip Code University of St. Thomas 2115 Summit Avenue

> P. O. Box 1097 St. Paul, MN 55105 Status: Active

DEC 0 2 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

See Attached FACILITY LOCATIONS (Siles)

Biology Department

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which téaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	F.  TOTAL NO.  OF ANIMAL.  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
		25			25
Grey squirrels Gerbils		72			72

### SSURANCE STATEMENTS

- Professionally acceptable standards governing the care, freatment, and use of animals, including approviate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, feaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL ON POPULAR OF COMMENTS

DATE SIGNED

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IS FORM 7023 (AUG 91)

VS FORM 18-23 (OCT 88), which is obsolete)

See reverse side for noilemielni laneilibbe

Interagency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

Commence of the section of the section of

41 - R - 0047

FORM APPROVED OMB NO 0579-0036 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

775

St. Olaf College

1520 St. Olaf Avenue Northfield, MN 55057-1098

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, lesting, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (SHEEL)

Biology Department - Science Center

Psychology Department - Holland Hall

•	B Number of	C Number of	0	PC01107 OF USO APHIS FORM 70734;	
Animals Covered By The Animal Wellere Rogulations	enimals being bred. Conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or leafs were conducted involving no pain, distress, or use of pain, relieving drugs	9. Number of animals upon which experiments, feaching, research, surgery, or tests were conducted involving accompanying poin or distress to the animals and for which appropriate anesthetic, analgestic, or tranquitizing drugs were used.	Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analogsic, or tranquitizing drugs would have adversely affected the procedures, results, or interpretation of the teaching.	TOTAL NO OF ANIMAL (Gols. C D + E)
Dogs				the size is this report.	
Cats			:		
Guinea Pigs					
Hamsters					
Rabbits	4		93		
Non-human Primates			93		97
. Sheep					-
Pigs					
Other Farm Animals					
. Other Animals		•			
Lab Rats		5		en de la companya de	
Pigeons					5
		12			12

Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anesthetic, analysis, and tranquisting drawing and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures.

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the histitutinal Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals effected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of enimel care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (? U.S.C. Section 2142).

4	LTIONAL OFFICIAL	

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL

DATE SIGNED

919 716 5696

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See reverse side to additional information. DISU-COA-AN

UNITED STATES DEPARTMENT OF ACRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USQA. National, Reparative Medicine

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teachi sheets if necessary.)

FACILITY LOCATIONS (Siles)

2460 Highway 100 South St. Louis Park, MN SS416

UEC 2 | 1850

A. Animals Covered By The Animal Westare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, leating, asperiments, research, or surgery but not yet used for such purposes.	C Number of unimals upon which feaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of alumats upon which experiments, teaching, research surgery, or tests were conducted involving accompanying pum or distress to the alumats and for which appropriate anesthetic, analysese, or transportations of the area.	E Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying poin or distress to the animals and tor which the use of appropriate anesthetic, analysisc, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	F.  TOTAL NO OF ANIMAI  (Cols. C D + E)
4. Dogs					NA
5. Cats					NIA
6. Guinea Pigs	,				NIA
7. Hamsters			:		NA
8. Rabbits					NA
9. Non-human Primates					NA
10. Sheep	·				NH
11, Piqs -					NA
12. Other Farm Animals					NA
13. Other Animals					NA
3	<u> </u>	· · · · · · · · · · · · · · · · · · ·			

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of animals, including appropriate use of animals, analysis, and transposition, professional formula and following actual inscarch, leading, leating, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered atternatives to pointul procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Cure and Use Committine (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the administry of other aspects of numai care and use

(Chief Executive Office	ADQUARTES RESEARCH FACILITY OFFICIAL er or Legally Responsible Institutional Official) ers true, correct, and complete (7 U.S.C. Section 2143)	
(b)(7)(c)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED  12-8-99
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See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.49 41R0049 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA,

FORM APPROVED OMB NO. 0579-0036

include Zip Code) Moorhead State University ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

See Attached

P. O. Box 1097 Moorhead, MN 56563 Status: Active

not 18 1000

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) **FACILITY LOCATIONS (Siles)** 

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r			•		
A.	B. Number of	C Number of	<del>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</del>	cessary or use APHIS FORM 7023A.)  E. Nurnber of animals upon which teaching.	
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	0				
5. Cats	0				
6. Guinea Pigs	0		:		
7. Hamsters	0				,
8. Rabbits		4			4
9. Non-human Primates	0		•		
10. Sheep	0				
11. Pigs	0				
12. Other Farm Animals	0				
13. Other Animals	0				
					·
ASSURANCE STATEMENTS					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to o

animal care and use.	the second of th	omer aspects or
(Chief Executive Officer i certify that the above is	DQUARTES RESEARCH FACILITY OFFICIAL (b)(6), [[ cor Legally Responsible Institutional Official) strue, correct, and complete (7 USC Section 2143)	5)(7)(C)
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (b)(6) (b)(47)(C)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Tupo of Print)	DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )

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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO051 IROUS

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT) 805

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Code), Inc.

1069 10th Avenue SE Suite 550

Minneapolis, MN 54082

Status: Active

3. REPORTING FACILITY	(List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes.	Attach additiona
sheets if necessary.)		

FACILITY LOCATIONS (Siles) See Attached <u>1069 10th Avenue SF, Minneapolis,</u> 55414

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (COIS. C +  D + E)
4. Dogs			one		one
5. Cats	<u> </u>				
6. Guinea Pigs			:,		
7. Hamsters					
8. Rabbits					
9. Non-human Primates			·		
10. Sheep					
11. Pigs					
12. Other Farm Animals				,	
13. Other Animals					
Bull Frogs		ten			ten
Rats	one	one			one

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquitizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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(Chief Executive Officer (	QUARTES RESEARCH FACILITY OFFICIAL (b)Cor Legally Responsible Institutional Official) True, correct, and complete (7 U.S.C. Section 2143)	6), (b) (7)(c)
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (b)(6)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION 10052

41 R0052

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

710 E. 24th St. Suite L30

Minneapolis, MN 55404 Status: Active OCT 13 CA

1633

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation; or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.) B. Number of C Number of E. Number of animals upon which teaching. D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments. Animals Covered," bred. which leaching, conducted involving accompanying pain or distress leaching, research, By The Animal conditioned, or to the animals and for which the use of appropriate research, surgery, or lesis were TOTAL NO. Welfare Regulations held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would conducted involving OF ANIMALS teaching, testing, have adversely affected the procedures, results, or lesis were accompanying pain or experiments, conducted interpretation of the teaching, research, distress to the animals research, or experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these involvina no (Cols. C + D + E) and for which appropriate surgery but not yet used for such pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used use of paintranquilizing drugs were purposes. relieving drugs. must be attached to this report). used. Dogs Cats Guinea Pigs Hamsters 586 Rabbits Non-human Primates Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals **ASSURANCE STATEMENTS** 

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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aninal care and use		
(Chief Executive Officer or learning that the above is true	UARTES RESEARCH FACILITY OFFICIAL. Legally Responsible Institutional Official) m, correct, and complete (7 U S C Section 2143)	(७)(८)
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (6)(6)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)  (b)(c)  (b)(c)	DATE SIGNED

See reverse side for additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.55

41R0055

FORM APPROVED OMB NO 0579-0036

 HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Gode) Hughes Institute

2680 Patton Road

Roseville, MN 55113 Status: Active

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Hughes Institute Pre-Clinical Laboratory

Veterans Administration (leased space)

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0,	0	0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	11	0	11
8. Rabbits	0	133	67	0	200
9. Non-human Primates	0	0	0	0 ,	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals	0	· 0	0	0	0

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

or Print)

10-07-99

CNATURE C.E.O. OR INSTITUTIONAL OFFICIAL



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

(b)(c), (b)(7)(c)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION 19057 41R005

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Excorp Medical, Inc.

7200 Hudson Blvd. Suite 235

Suite 550 7-35

Oakdale, MN -55042 55/28 NOV 29 1999

1103

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional - -sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A) E. Number of animals upon which teaching, B. Number of C Number of D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments, conducted involving accompanying pain or distress bred. which leaching, **Animals Covered** leaching, research, to the animals and for which the use of appropriate By The Animal conditioned, or research, TOTAL NO. surgery, or tests were held for use in anesthetic, analgesic, or tranquilizing drugs would Welfare Regulations experiments, or OF ANIMALS conducted involving teaching, testing, tests were have adversely affected the procedures, results, or accompanying pain or conducted interpretation of the teaching, research, experiments, distress to the animals experiments, surgery, or tests. (An explanation of research, or on pnivlovni (Cols. C + D + E) and for which appropriate surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. Dogs Cats Guinea Pigs Hamsters Rabbits 9. Non-human Primates 10. Sheep  $\bigcirc$ 11. Pigs 12. Other Farm Animals 13. Other Animals

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to paintul procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of anunal care and use.

		f Executive Officer or I	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) e, correct, and complete (7 U.S.C. Section 2143)	
a de la companya de l	OF C.E.O. OR INS	CPXC)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type (A)(G) (b)(7)(C)	DATE SIGNED

(AUG 91)

**ASSURANCE STATEMENTS** 

APHIS FORM 7023 (Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 41-R-0059

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Code) Beckman Coulter, Inc.

Immunodiagnostics Development Center

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA,

1000 Lake Hazeltine Drive

Chaska, MN 55318

1725

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

8101 Co. Road #15

DEC 0 1 1999

Maple Plain, MN 55359

A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and tor which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	,				
5. Cats					
6. Guinea Pigs					
7. Hamsters			,		
8. Rabbits			,		
9. Non-human Primates					
10. Sheep		12			12
11. Pigs					
12. Other Farm Animals					
horse		1			1
13. Other Animals			·		
goat	14	41	V.		41
burro	5	10			10

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF & F @ ATUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or F

DATE SIGNED

11/30/99

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.60 #1816

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Carleton College: ATTN

500 simons court please charge to: Dept of

Northfield, MN 55057 Status: Active (b) (c) (c)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

See Attached

Psychology Dept

A	B. Number of	C Number of	<del></del>	E. Number of animals upon which teaching.	T _
Animals Covered By The Animal Wellare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such	onimals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-	D. Number of aminals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
	purposes.	relieving drugs.	used	must be attached to this report).	
4. Dogs	0				
5. Cats	0				
6. Guinea Pigs	Ø				
7. Hamsters	0		,		
8. Rabbits	Ø				
9. Non-human Primates	12	12	Ø	Ø .	12
10. Sheep	Ø		C	e_ d ==	
11. Pigs	Ø			NOV 2 2 1999	
12. Other Farm Animals	Ø		-		
				ن ۲	
13. Other Animals	Ø				
	<u> </u>				

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4). The attending vetermarian for this research facility has appropriate authority to ensure the provision of adequate vetermary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL\*

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (TYPOUT PRIM)

DATE SIGNED

9/14/99

See reverse side for additional information Interagency Report Control No . N 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

43-R-0002

FORM APPROVED OMB NO. 0579-0036 ...

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

SCIENTIFIC ASSOCIATES INC ( 6200 S LINDBERGH BLVD

ST LOUIS, MO 63123

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Department

3

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	O. Number of animals upon which experiments, _ teaching, research, surgery, or tests were -conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats	2	0	41	0	41
6. Guinea Pigs	4	142	0	0	142
7. Hamsters					
8. Rabbits	34	409	0	57	466
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
	<u> </u>		'		
13. Other Animals					

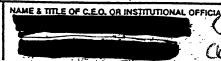
- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, Professionally acceptable standards governing the care, treatment, and use of animals, may be a standard by this research facility.

  and following actual research, leaching, lesting, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL





DATE SIGNED

11-11-99

### ANNUAL REPORT OF RESEARCH FACILITY

# Supplement

(E. "... explanation of the procedures producing pain or distress...and the reasons such (pain relieving) drugs were not used...")

1. Registration Number:

### 43-R-0003

2. Headquarters Research Facility

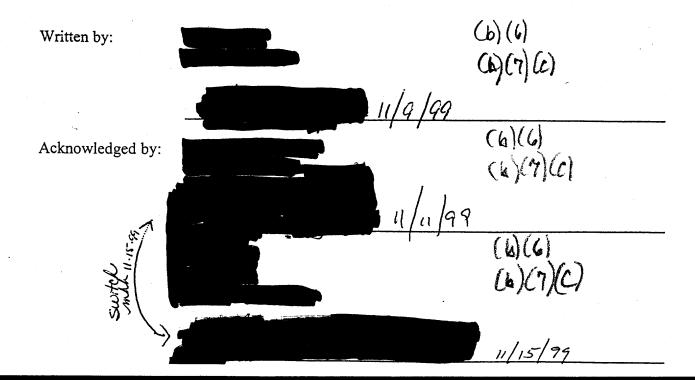
Celsis Laboratory Group (Scientific Associates)
St. Louis Division
6200 South Lindbergh Blvd.
St. Louis, MO 63123

During the period of October 1, 1998, through September 30, 1999, 57 rabbits were used in tests which were classified as causing pain or distress to the animals. Of these rabbits, 22 were used in antibody production studies involving the use of Freund's Complete Adjuvant. These animals did not appear to be in pain from the FCA use even though lesions did form on most rabbits. If animals had/have lesions present, we rinse their backs with warm sterile saline, but did not/do not provide any other pain relieving procedures.

Of the 57 rabbits mentioned above, 35 were used in pyrogen tests which we deemed as painful or distressing. (The pyrogen test, USP 23, p. 1718-1719; 21CFR Sections 436.32 and 610.13, does not allow for the administration of pain-relieving drugs due to their potential to interfere with the test.)

- 1. One rabbit was involved in a test which resulted in a death. About 15 minutes after being dosed, the rabbit kicked violently, settled down and then stopped breathing. Upon investigation, it was determined that the incorrect method for preparing the sample was submitted to us. Retesting of the correctly prepared sample showed no adverse affects in the animals.
- 2. 34 rabbits were involved in pyrogen tests involving a product that resulted in leaving raw skin exposed at the injection site (on the ear). It was also noted that if the sample was not fully injected intravenously, and infiltrated into the surrounding tissue of the ear, that necrosis of the injection area sometimes occurred.

Ensuring that injection needles are properly placed in the ear veins and no product drips onto the ear and that the injection site is properly occluded following the injection, assists in maintaining a healthy ear.



UNITED STATES DEPARTMENT OF AGRICULTURE

See reverse side for additional information.

1. REGISTRATION NO

Interagency Report Control No 0180-DOA-AN

ANIMAL AND PLANT HEALTH INSPECTION SERVICE FORM APPROVED 13-R-000 OMB NO. 0579-0036 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Baint Louis College of Pharmacy ANNUAL REPORT OF RESEARCH FACILITY 4588 Parkview Place (TYPE OR PRINT) St. Louis, MO 63110-1088 3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) **FACILITY LOCATIONS (Sites)** REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adjultional sheets if necessary or use APHIS FORM 7023A.) B. Number of C Number of Number of animals upon which teaching, D. Number of animals upon F. animals being experiments, research, surgery or tests were animals upon which experiments. >Qimals Covered bred. which leaching, conducted involving accompanying pain or distress teaching, research, By The Animal Welfare Regulations conditioned, or research. to the animals and for which the use of appropriate surgery, or tests were TOTAL NO. held for use in anesthetic, analgesic, or tranquilizing drugs would experiments, or conducted involving OF ANIMALS leaching, testing, tests were have adversely affected the procedures, results, or accompanying pain or interpretation of the teaching, research, experiments. conducted distress to the animals research, or involving no experiments, surgery, or tests. (An explanation of (Cols. C + D + E) and for which appropriate surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analogsic, or vet used for such use of painanimals and the reasons such drugs were not used tranquilizing drugs were purposes. relieving drugs. must be attached to this report). Dogs Cats Guinea Pigs COV Hamsters Rabbits 9. Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals cancellation **ASSURANCE STATEMENTS** (b)(b) (N/7)(C Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility. 2). Each principal investigator has considered alternatives to painful procedures.

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

(b) (b)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

(b)(7)(C

SIGNATURE

See reverse side for - additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

43-R-0005

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

MALLINCKRODT INC 675 MC DONNELL BLVD \*There isn't now nor has there ever been a

HAZELWOOD, MO 63042

employed here\*

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional FACILITY LOCATIONS (Sites)

Biological and Physical Sciences Resource See Attached Center

Biological Performance

Corporate

Maryland Heights

A	B. Number of	C Number of		cessury or use APHIS FORM 7023A)	
Animals Covered By The Animal Welfare Regulations	animals being bred conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	00		17	_	17
5. Cats					
6. Guinea Pigs	22	130		_	130
7. Hamsters		·			
8. Rabbits	12	12	84	_	96
9. Non-human Primates				·	
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals	ļ			÷	
<del> </del>					

### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, lesting, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the AcI, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of . animal care and use. **计型设置**

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

EO OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

. . . . . .

DATE SIGNED

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

See reverse side for - additional information. Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE. ANIMAL AND PLANT HEALTH INSPECTION SERVICE

43-R-0006

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY IName and Address, as registered with USDA

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

RALSTON PURINA COMPANY 900 CHECKERBOARD SQ

ATTN:

ST LOUIS, MO 63164



3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. sheets if necessary.)

include Zip Code)

		FAU	JILITY LOCATIONS (Sites)		
PET CARE C.	ENTER		9 359		
101 SCIENCE	51. G	RAY SUA	nmit Mo.	63039	
REPORT OF ANIMALS USED BY OR	UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred,—conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were "conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	7	554		•	554
5. Cats	5	467			467
6. Guinea Pigs			·		
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep				_	
11. Pigs	·				
12. Other Farm Animals					
-					
13. Other Animals					
					·
ASSURANCE STATEMENTS .					*

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (T)

DATE SIGNED

See reverse side for additional information. Interagency Report Control No. 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

43-R-0008

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

NOV 18 559 A

WASHINGTON UNIVERSITY LINDELL & SKINKER BLVDS

ST LOUIS, MO 63130

(b)(c) (b)(7(c)

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

See Attached

REPORT OF ANIMALS USED BY O	· , · · · · · · · · · · · · · · · · · ·		IATIach adiditional sheets it ne		
A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in taccning, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs	O Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquelizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMAL (Cols. C D + E)
4. Dogs	·	3	218		221
5. Cats			3		3
6. Guinea Pigs	40	195	162		357
7. Hamsters	<u> </u> .	437	661		1098
8. Rabbits		137	282		419
9. Non-human Primates	49	· 16	60		76
10. Sheep			89		89
11 Piqs		5	486		491
12. Other Farm Animals		<u> </u>			
		<u> </u>			-
13. Other Animals	·				
Chinchilla	4		27		27
Ferret		23		1	23
Gerbil		107	106		213

### ASSURANCE STATEMENTS

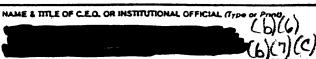
- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of anisthetic, analgesic, and tranquillating drugs, prior to, during and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(b)(c)



DATE SIGN

11/15/5

The second second

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2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 43-R-0008

FORM APPROVED OMB NO. 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

include Zip Code) Washington University

Lindell & Skinker Blvd St. Louis, Mo. 63130

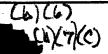
	B. Number of	C Number of	D. North and animals	E. Number of animals upon which teaching,	E
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not	animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or	D. Number of animals upon which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these	TOTAL NO. OF ANIMAL: (Cols. C + D + E)
12. &/OR 13. Other (List by species)	yet used for such purposes.	use of pain- relieving drugs.	tranquilizing drugs were used.	animals and the reasons such drugs were not used must be attached to this report).	
Bat	71		48		48
Opossum			25		25
				·	
			·		
			·		
-					
				: .	

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Typ

DATE SIGNED

THE TO SEE UNITED STATES DEPARTMENT OF AGRICULTURE SERVICES TO HORSE AND PLANT HEALTHANSPECTION SERVICE - To GOOD HEALTHANSPECTION SERVICE - To GOOD HEALTHANSPECTION SERVICE id badget, Wishington, u.C.

1. REGISTRATION NO PREPARED TO SEE BELL OF SEEL OF nation, inclinately suggestions to multion and Regular by Attains (000 - R-64

FORM APPROVED Ini to a OMB NO. 0579-0036 --

ETICN OF APHIS FORM 7023

ANNUAL REPORT OF HESEARCH FACILITY OF THE

h Facility by United States Department of Agriculture (USDA).

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA Midwest Research Institute

425 Volker BIVd

425 Volker BIVd

Kansas City, MO

3. REPORTING FACILITY (List all/locations where animals were housed or used in actual research clesting it estimates experimentation; or held for these purposes SATTECH additional sheets if necessary.)

FACILITY LOCATIONS Siles

TER 4-13-00 NOT enter numbers in Column A. DO NOT act mandas sinered 900ds Bast Barst Odurin F. Contrar.

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(2) tours

REPORT OF ANIMALS USED BY OR	UNDER CONTROL OF	RESEARCH FACILITY	(Altach adiditional sheets it ne	cessary of use APHIS FORM 7023A) V 1814 ST V 2	• :
A. Animals Covered By The Animal Welfare Regulations, and Avinto English TOR OFFICE.	B. Number of animals being? V bred, SOV another or held for use in teaching, testing. The experiments, Sort research, or surgery but not yet used for such purposes.	C Number of animals upon 23 animals upon 23 which leaching, research, experiments, or lests were 25 conducted involving no pain, distress, or use of pain.	D. Number of animals upon which experiments, which experiments, which experiments arrangery, or tests were conducted involving conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or conductating drugs were used.	obliconducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results; or accompanying the procedures are subjected the procedures.	F.  TOTAL NO. OF ANIMALS  (Cois. C + D + E)
4. Dogs		72			72
5. Cats					
6. Guinea Pigs		77		12*	89
7. Hamsters *Dur	ing a pha	macokinet	ic study (si	ngle i.v. dose with blood	i
COTT	ection rol	r arug lev	rel analysis)	in which toxicity was no ly exhibited transient s	h+
9. Non-human Primates	lethargy,	hyperacti	vity, tempora	ary collapse, vocalization	n head
move	ments, and	discolor	ation and/or	swelling at the injection out 45 minutes after reco	n site
11. Pigs the	pharmaceut	ical inte	nded for huma	an use. Toxicity was not	expect
	and admini	stration	of pain-reli	eving drugs would have in under study. No animal:	tarfar
becai	ne moribui	d and all	guinea pigs	were euthanized 3.5 hour	s after
dosi: 13. Other Animals	ng.				
mice			·		5285
rats					506
					·
ASSURANCE STATEMENTS					<u> </u>

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

DATE SIGNED

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE -ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

43-R-0011

FORM APPROVED OMB NO. 0579-0036

DEC 199 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Gaint Louis University

3 💮 221 N. Grand Blvd., DB 106

Attn:

St. Louis, MO 63103

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)

School of Medicine

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🗪 Anheuser Busch Institute

See Attached

Macelwane Hall

Pediatric Research Institute REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheels if necessary or use APHIS FORM 7023A.) B. Number of C Number of E. Number of animals upon which teaching, 0. Number of animals upon animals being animals upon E experiments, research, surgery or tests were which experiments,. Animals Covered bred --which teaching, conducted involving accompanying pain or distress leaching, research, By The Animal conditioned, or research. to the animals and for which the use of appropriate surgery, or lesis were Wellare Regulations held for use in experiments, or TOTAL NO. anesthetic, analgesic, or tranquilizing drugs would. conducted involving teaching, testing, have adversely affected the procedures, results, or interpretation of the teaching, research, OF ANIMALS lesis were accompanying pain or experiments. conducted distress to the animals research, or involving no experiments, surgery, or tests. (An explanation of and for which appropriate surgery but not (Cols. C + D + E) pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or yel used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were purposes. relieving drugs. must be attached to this report). used Dogs 23 23 Cats 2 2 Guinea Pigs . . . . Hamsters 56 140 196 110 Rabbits 444 554 2 Non-human Primates 2 10. Sheep 11. Piqs 72 72 12. Other Farm Animals 13. Other Animals ferret 2 2 muskrat 20 20

# ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, Professionally acceptable standards governing the care, treatment, and sold were followed by this research facility.

  and following actual research, feaching, festing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL DEFICIAL

Print

DATE SIGNED

Interagency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE -ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

43-R-0012

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

ov 2:9 1999

KIRKSVILLE COLL OSTEO MED

800 W JEFFERSON ST

ATTN: KIRKSVILLE, MO 63501

(b)(7)(C)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Timken-Burnett Research Building

See Attached

# 905P

RE	PORT OF ANIMALS USED BY OF	UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if ne	cessury or use APHIS FORM 7023A)	
	Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred,— conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving nopain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4.	Dogs	3		96		96
5.	Cats	13		21		21
6.	Guinea Pigs	00				0
7.	Hamsters	00				0
_8.	Rabbits	1	3			3
9.	Non-human Primates	0				0
10	. Sheeo	0				0
_11	. Pigs	0				0
_12	2. Other Farm Animals	0				0
13	I. Other Animals					
_S	hrews	515		1,149	·	1,149
	edge Hogs	0		8		8
. [	SURANCE STATEMENTS					

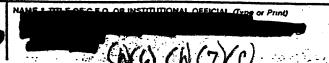
### ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



DATE SIGNED

11/23/99

See reverse side for
 additional information.

Interagency Report Control No V

UNITED STATES DEPARTMENT OF AGRICULTURE -ANIMAL AND PLANT HEALTH INSPECTION SERVICE -

43-R-0014

FORM APPROVED OMB NO. 0579-0036

1.50

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Boehringer Ingelheim Vetmedica, Inc. 2621 N. Belt Hwy

St. Joseph, MO 64506

Attn:

(b) (b) (7)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets ill necessary.)

00T 12 1339

FACILITY LOCATIONS (Sites)

State Route "O"

2621 North Belt Highway

See Attached Cosby, Missouri 64436

St. Joseph, Missouri 64506-2002

A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred,—conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and lor which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	0 .	36	0	. 0	36
5. Cats	0	11	0	0	11
6. Guinea Pigs	0	3,012	0	1,506	4,518
7. Hamsters	0	2,019	0	6,059	8,078
8. Rabbits	0	1,948	. 0	0	1,948
9. Non-human Primates	N/A	N/A	N/A	N/A	N/A
10. Sheep	0	335	0	0	335
11. Pigs	0	571	. 0	0	571
12. Other Farm Animals					
Cattle	0	760	0	0	760
13. Other Animals					
Horses	0	58	0	0	58
			•		

# ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF CEO. OR INSTITUTIONAL OFFIC



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

18/7/49

# 43R0014

# BOEHRINGER INGELHEIM ANIMAL HEALTH, INC. Registration No. 43-14 Attachment to VS Form 7023 Animal Care Section

Box 6-E These guinea pigs are used for potency testing of bacterins: <u>Clostridium chauvoei</u>, <u>hemolyticum</u>, <u>novvi</u> and <u>sordellii</u> as per 9 CFR 113.106, 113.108 and 113.109. Anesthetic, analgesic, or tranquilizing drugs do not exist which would not invalidate the test.

Box 7-E These hamsters are used for potency testing of bacterins: Leptospira pomona icterohaemorrhagiae, canicola and grippotyphosa as per 9 CFR 113.101, 113.102, 113.103 and 113.104. Anesthetic, analgesic, or tranquilizing drugs do not exist which would not invalidate the test.

Interagency Report Control No 0180-DOA-AN

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150.

> UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

43-R-0015

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY IName and Address, as registered with USDA include Zip Code)

ST JOHN'S MERCY MED CTR

615 S NEW BALLAS RD

ST LOUIS, MO

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

SJMMC Microsurgery Lab

æ

See Attached

A.  Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no. pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, . I eaching, research, surgery, or tests were "conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO.  OF ANIMAL:  (Cois. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	2				
9. Non-human Primates					
10. Sheep					
11. Pigs		,	,		-
12. Other Farm Animals		·			
		·			
13. Other Animals			3		3
(Ferrets)	<u> </u>				
<del></del>					
		<u> </u>	•:		

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE -ANIMAL AND PLANT HEALTH INSPECTION SERVICE

43-R-0021

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY IName and Address, as registered with USDA include Zip Code)

> UNIVERSITY OF HEALTH SCI 1750 INDEPENDENCE AVE

KANSAS CITY, MO 64106-

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Educational Pavilion

4 ij

See Attached

1750 Independence Ave., Kansas City, MO 64106

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of aniinals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs		·			
5. Cats					
6. Guinea Pigs				·	
7. Hamsters				·	
8. Rabbits	0	0	55	0	55
9. Non-human Primates		·			
10. Sheep					
11. Pigs					
12. Other Farm Animals					
·					
13. Other Animals				<u>:</u>	
	ļ				

RM 7023

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of . animal care and use. 20 w. . . .

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

•	(	Chief Executive Office I certify that the above	er or Legally Respo	nsible Insti	itutional Offic Section 2143).	ial)
				•		
NATURE OF C	EO OR INSTITUTIONAL OF	EICIAI (1)		·		

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.) · (-\)

See reverse side for additional information.

Interagency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

43-R-0029

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

007>25 1999 maple woods comm coll

2601 NE BARRY RD

KANSAS CITY, MO 64156

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) \*\*\*

FACILITY LOCATIONS (Sites)

KCMO 64156 2601 NE Barry Rd.

See Attached

**688** 

0 0 0 0	30 29 36 0		30 29 36 0
0 0	36		36 0
0	0		0
			0
0	20		20
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0	0		0
- 4	0	<u>-</u>	4
6	00		6
- 6	0		6
8	0		8
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- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, Professionally acceptable standards governing the Care, treatmentation were followed by this research facility, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In principal investigator and approved by the institutional minimal one and observed explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of . animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Pr

Maple Woods Community College

h

UNITED STATES DEPARTMENT OF AGRICULTURE -ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

43-R-0030

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY IName and Address, as registered with USDA include Zip Code)

TRUMAN STATE UNIVERSITY

SCIENCE DIVISION 262 SH

ATTN-KIRKSVILLE, MO 63501

(b)(b) (b)(7)(c)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, lesting, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Room 10 Magruder Hall

3 **4** 

See Attached

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred,conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cois. C +  D + E)
4. Dogs				,	0
5. Cats					0
6. Guinea Pigs					0
7. Hamsters					0
8. Rabbits			. ,		0
9. Non-human Primates					0
10. Sheep		-			0
11. Pigs					0
12. Other Farm Animals					0
		·			·
13. Other Animals					0
		·			
			·		

## ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer of Legally Responsible Institutional Official)

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF

ONAL OFFICE

(P)(d)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL TYPE OF PRINT

DATE SIGNED



See reverse side for - additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE .

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

43-R-0031

FORM APPROVED OMB, NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY IName and Address, as registered with USDA include Zip Code)

CCD JEFFERSON COUNTY

ATTN:

1000 VIKING DR

HILLSBORO, MO 63050

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

A	B. Number of animals being	C Number of animals upon	D. Number of animals upon	cessary or use APHIS FORM 7023A)  E. Number of animals upon which teaching, experiments, research, surgery or tests were	F.
Animals Covered By The Animal Wellare Regulations	bred, conditioned, or held lor use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs		120	60	• 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	180
5. Cats		120	60		180
6. Guinea Pigs	<u> </u>		10		10
7. Hamsters					
8. Rabbits			6		(0
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals		1 horse			Ihers
	·	12 Cattle			12 cattl
13. Other Animals					
			·		

### 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This lacility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.EO. OR INSTITUTIONAL OFFICIAL

See reverse side for additional information Interagency Report Control No

0180-DOA-AN .

UNITED STATES DEPARTMENT OF AGRICULTURE . ANIMAL AND PLANT HEALTH INSPECTION SERVICE

43-R-0033

FORM APPROVED OMB NO. 0579-0036 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA.

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

MONSANTO COMPANY

800 N LINDBERGH BLVD

ATTN:

ST LOUIS, MO 63167

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

. .

include Zip Code)

430

FACILITY LOCATIONS (Siles)

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See Attachment

See Attached

Animals Covered By The Animal Wellare Regulations	B. Number of animals-being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were reconducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs		3	287	0	290
5. Cats		0	0	0	0
6. Guinea Pigs		0	32	70	102
7. Hamsters		0	1614	0	1614
8. Rabbits		0	140	0	140
9. Non-human Primates		00	0	0	0
10. Sheep		0	0	0	0
11. Pigs		0	0	0	0
12. Other Farm Animals		0	. 0	0	0
13. Other Animals		0	0	0	0
		·			
ASSURANCE STATEMENTS		•	-:		

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

# 43R0033

## Attachment 1: 1999 USDA Annual Report

# 3. Reporting Facility (Facility Locations):

Creve Coeur Animal Resources Facility (Z Building) 800 N. Lindbergh Blvd.
St. Louis, MO 63167

Chesterfield Animal Resources Facility (GG & BB Buildings) 700 Chesterfield Village Parkway
St. Louis, MO 63198

Monsanto Safety Evaluation - Newstead 645 So. Newstead St. Louis, MO 63110

### Attachment 2: 1999 USDA Annual Report

### 1) 70 Guinea Pigs; Category "E"

This study was performed to evaluate putative agents in a spontaneous model of osteoarthritis. The original procedure described the development of spontaneous osteoarthritis over the course of a year, and was placed in a category "E" because of any pain or distress that may be experienced from the natural progression of the osteoarthritic condition particularly in the control group. An appropriate literature search for alternatives to painful procedures was performed. Anesthetic or analgesic agents could not be administered as their use would compromise the evaluation of the efficacy of the test agents. Prior to start of the experiment, the study protocol was modified and appropriately amended limiting the total duration of the study from one year to 10-12 weeks, thereby eliminating pain/distress from an osteoarthritic condition. The original animal protocol and subsequent protocol amendment were individually reviewed and approved by the Institutional Animal Care and Use Committee.

### 2) Exception to the exercise plan for dogs

The Institutional Animal Care and Use Committee approved an exception to the institutional exercise plan for dogs. An abdominal surgical procedure was performed on 16 dogs. Post-operatively, the dogs were exempted from exercise for 3 days immediately following the surgery. During recovery, limited exercise of 5-10 minutes/day was permitted on an individual basis for the next 7-11 days. At the end of this period, the animals were returned to their normal exercise schedule. The exercise exemption for these animals was included within the animal care and use protocol which was appropriately reviewed and approved by the Institutional Animal Care and Use Committee.

See reverse side for additional information.

NOV | 8 1999 Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE - ANIMAL AND PLANT HEALTH INSPECTION SERVICE

43-R-0035

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY /Name and Address, as registered with USDA include Zip Code)

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

FARMLAND INDUSTRIES INC PO BOX 7305 DEPT 192

ATTN:

KANSAS CITY, MO 64116

(b)(b) (b)(7)(c)

3. REPORTING FACILITY (List a	Il locations w	here animals were	housed or used	in actual resea	rch, les	ting, leaching	or experimenta	lion, or held for thes	e nurnoses	Attach additional
sheets if necessary.)	•						•		o porposes.	Attach boomoner
						•				

3705 N 13957 \* Development For FACILITY LOCATIONS (Siles)

See Attached

Kenses City, KS 66109

REPORT OF ANIMALS USED BY O	NUNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if ne	cessury or use APHIS FORM 7023A.)	<del></del>
Animals Covered By The Animal Welfare Regulations	B. Number of animals being-bred,conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMAL: (Cols. C + D + E)
4. Dogs		97	O	0	97
5. Cats		31	0	0	31
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals	<u> </u>				,
13. Other Animals					
		<b></b>			
<del></del>				·	

### ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official),
I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(b)(1)(c)

HAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (TYDE OF PRINT)

DATE SIGNED

1-1599

See reverse side for - additional information.

Interagency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE -ANIMAL AND PLANT HEALTH INSPECTION SERVICE

43-R-0036 NOV 1 5 1999

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

. . . .

LITTLE CREEK FARM INC PO BOX 2911

LESLIE, MO 63056

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) 

FACILITY LOCATIONS (Sites)

100 Haag Road, Leslie, MO 63056

460

See Attached

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred,—conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
t. Dogs					n ing Magabar i
5. Cats					
6. Guinea Pigs			·		
7. Hamsters			·		
8. Rabbits		217	·	·	217
9. Non-human Primates					
10. Sheep		2	8		10
11. Piqs			·		
12. Other Farm Animals	1	2	. 4		<i>:</i> 6
goats	196		71		71
13. Other Animals					
		·			
•		•	•:		<u> </u>

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

10-27-99

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

APHIS FORM 7023 .... (Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

See reverse side for - additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

43-R-0037

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA CENTRAL MO STATE UNIV

WC MORRIS 306

ATTN:

WARRENSBURG, MO 64093

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Sites)

....

include Zip Code)

See Attached

<u>Biology</u> Department

Α .	B. Number of .	C Number of		E. Number of animals upon which teaching.	
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	animals upon which teaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					Special Constitution
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	O	7	4		4
9. Non-human Primates					
10. Sheep				_	
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
Ground Squirrel		4			4
Eastern Chipmun	k 42		11		11
Gophers	16		5		5

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
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- .4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of . animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

ADUIS EORM 7000

: ::<u>::</u>:: Interagency Report Control No. 0180-DOA-AN

additional information.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE	1. REGISTRATION NO. 43-R-0041	FORM APPROVED OMB NO. 0579-0036
	2. HEADQUARTERS RESEARCH FACILITY (Name and A include Zip Code)	
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)	Central Inst. for the Dea ATTN: 818 South Euclid Avenue St. Louis, MO 63110	(b)(G) (b)(7)(C)
3. REPORTING FACILITY (List all locations where animals were housed or used in actual	I research, testing, teaching, or experimentation, or held for t	hese purposes. Attach additional

sheets if necessary.) FACILITY LOCATIONS (Sites) 909 South Taylor St. Louis, MO 63110 Room 402 REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM 70234.)

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters	12	95			95
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs		,	-		
12. Other Farm Animals	·				
13. Other Animals					
				·	

### **ASSURANCE STATEMENTS**

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL  (Chief Executive Officer or Legally Responsible Institutional Official)  I cartify that the above is true, correct, and complete (7 U.S.C. Section 2143).						
SIGNATURE OF C.E.O. OR IN	ISTITUTIONAL OFFICIAL (6)(6) (6)(7)(C)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Phint)  (b)(7)(0)	DATE SIGNED			
ADUIC FORM 7022	(Deplete MC COOM to go (OCT on) which is					

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

43-R-0043

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA \ include Zip Code)

MO LASER INSTITUTE INC

222 S WOODS MILL RD STE 400

CHESTERFIELD, MO 63017 (6) (6) (7)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, lesting, teaching, or experimentation, or held for these purposes. Attach additional									
sheets it necessary.) Alo LASIAR. INSTITUTE INC. LABORATORY.									
12255 De Paul Daive Suite 95 000									
BRINGEFON Missour 63044									
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adjuitional sheets if necessary or use APHIS FORM 7023A.)									
A.  Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred,— conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)				
4. Dogs	-								
5. Cats									
6. Guinea Pigs									
7. Hamsters									
8. Rabbits			·	-					
9. Non-human Primates									
10. Sheep									
11. Pigs			13		18				
12. Other Farm Animals	•		•						
13. Other Animals									
				-					
ASSURANCE STATEMENTS .		•			<del></del>				

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, lesting, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC): A summary of all such exceptions is attached to this annual report. In principal investigator and approved by the institutional Animal Care and use Committee (IACOC). A summary of all such exceptions is attached to this arithmet report addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF CEO

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

CONTINUATION SHEET FOR ANNUAL REPORT

OF RESEARCH FACILITY (TYPE OR PRINT)

r to cease and desist and to be subject to penalties as provided for in Section 2150.						· additional information.	
				ULTURE		1. REGISTRATION	INO. 43 R 0042
	• • • •		• • •	. 914,444,919			
						2. HEADQUARTER	RS RESEARCH FACILITY (Name a

FORM APPROVED OMB NO. 0579-0036

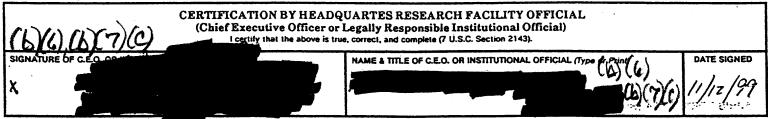
2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) MO. LASEAL Inchfute, Inc.

222 S. Wood: M.I. Rd. Ste 400

Checkenfield MO 63017

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use this form.) Number of animals upon which teaching. B. Number of C Number of --D. Number of animals upon animals being experiments, research, surgery or tests were animals upon which experiments, conducted involving accompanying pain or distress to the animals and for which the use of appropriate **Animals Covered** bred. which teaching, teaching, research, conditioned, or By The Animal research. TOTAL NO. surgery, or lests were held for use inanesthetic, analgesic, or tranquilizing drugs would Welfare Regulations experiments, or conducted involving OF ANIMALS teaching, testing, have adversely affected the procedures, results, or tests were accompanying pain or interpretation of the teaching, research, experiments. conducted distress to the animals experiments, surgery, or tests: (An explanation of research, or (Cols. C + D + E) involvina na and for which appropriate surgery but not pain, distress, or the procedures producing pain or distress in these animals and the reasons such drugs were not used anesthetic, analgesic, or vet used for such 12. &/OR 13. Other use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. (List by species)

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.



ASSURANCE STATEMENTS

UNITED STATES DEPARTMENT OF AGRICULTURE -ANIMAL AND PLANT HEALTH INSPECTION SERVICE

43-R-0046

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Code)

UNIV OF MISSOURI-ST LOUIS OFFICE OF RESEARCH 8001 NATURAL BRIDGE ST LOUIS, MO 63121-4499

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

Stadler Animal Facility S501 - S524 See Attached

●80 Natural Bridge, St. Louis, Mo. 63121

Optometry Animal Facility Rm 109 SCCB

South Campus Classroom Bldg.

A .	B. Number of .	C Number of		cessary or use APHIS FORM 7023A.)  E. Number of animals upon which teaching.	
Animals Covered By The Animal Welfare Regulations	animals being bred,- conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Numbet of animals upon which experiments, teaching, research, surgery, or lests were "conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely allected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL  (Cols. C D + E)
4. Dogs					
5. Cats	2	0	1	0	1
6. Guinea Pigs			-		
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs	<u> </u>				-
12. Other Farm Animals					
13. Other Animals					
Prairie Vole	124	260	0	0	260
·					
			• •		

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered atternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- ity has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

Tification by Headquartes research facility official Chief Executive Officer or Legally Responsible Institutional Official) the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(AUG 91)

SIGNA

APHIS FORM 7023 (Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

interagency Report Control No. 0180-3CA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE I. REGISTRATION NO.

43-R-0047

2. HEADQUARTERS RESEARCH FACILITY (Numb and Audress, as registered with USSA

FORM APPROVED OMB NC 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

University of Missouri-Kansas City Office of Research Administration

5100 Rockhill Road

Kansas City, MO 64110-2499

2. REPORTING FACILITY (List all locations where animals were noused or used in actual research, testing, teaching, or experimentation, or need for these purposes. Attach additional speers if necessary.)

### FACILITY LOCATIONS (Siles)

Volker Campus Laboratory Animal Center

Hospital Hill Campus Laboratory Animal Center

1015 E. 50th Street

Kansas City, MC

54110 2411 Holmes

Kansas City, MO 64108

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs			16		16
5. Cats			8		8
6. Guinea Pigs			54		54
7. Hamsters					,
8. Rabbits		33	316		349
9. Non-human Primates					
10. Sheep					
11. Pigs			30 -		30
12. Other Farm Animals					
13. Other Animals					

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of aniesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC): A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4). The attending vetermarian for this research faculity has appropriate authority to ensure the provision of adequate retermany care and to oversee the adequacy of other aspects of animal cure and use

### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

TURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL ITYPE

DATE SIGNED

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE -ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

NOV 22

43-R-0050

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

DV 8 1999

PET PRODUCTS PLUS INC 5600 MEXICO RD STE 2 5100 ROCKHILL RD

ST PETERS, MO 63376-1660

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

1700 Bridge School Rd. PO Box 938 Rd14a 200 65402

See Attached

A.  Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred,—conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely attected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMAL  (Cols. C + D + E)
4. Dogs	19	55	Ø	8	55
5. Cats	2	30	8	0	3 Q
6. Guinea Pigs					-6-
7. Hamsters			·		-6
8. Rabbits					-6
9. Non-human Primates					-6
10. Sheep	<u> </u>			-	-6
11. Pigs					0
12. Other Farm Animals		·			-6
13. Other Animals					-6-
· · · · · · · · · · · · · · · · · · ·				·	
		1			

### ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(b)(b) (b)(7)(c) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)

DATE SIGNED

11/3/99

UNITED STATES DEPARTMENT OF AGRICULTURE . ANIMAL AND PLANT HEALTH INSPECTION SERVICE

43-R-0051

FORM APPROVED OMB NO. 0579-0036 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

IMMVAC INC 6080 BASS LN

5100 ROCKHILL

COLUMBIA, MO 65201

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Sites)

SAME AS ABOVE

See Attached

Ġ	•	<b>92</b>

include Zip Code)

REPORT OF ANIMALS USED BY (	B. Number of	C Number of		E. Number of animals upon which teaching,	
Animals Covered By The Animal Wellare Regulations	animals being bred; conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments. Iteaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	TOTAL NO OF ANIMAL  (Cols. C D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals			•		
Horses	0	0	32	0	32
13. Other Animals					

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

IGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

9-20-99

e set es e timb

this report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150.

See reverse side for noitemotal lenoitibbe -

Interegency Report Control No 0150-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE -ANIMAL AND PLANT HEALTH INSPECTION SERVICE

43-R-0052

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADCHJARTERS RESEARCH FACILITY INAMO and Address, as registered with USDA

Southwest Missouri State University 901 South National Avenue Springfield, MO-65804 Phone: (417) 836-5972

1. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, treaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS ISH

Temple Hall, Rooms 155, 272C and

Southwest Missouri State University, Springfield,

Professional Building, Hill Hall Room 462, Room 368

MO 65804 Phone: REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY MIRCH ADMINISTRATED IN DECESSION (417) 836-5972 COUNTY: Greene

Ammais Covered By The Animal Welfare Regulations	B. Number of animals being bred.—- conditioned, or hald for use in teaching, testing, experiments, research, or surpery but not yet used for such purposes.	C Number of animals upon which lanching, issearch, experiments, or lests were conducted involving na pain, distress, or use of pain-reflexing drugs.	O. Number, of animals from which experiments, leaching, tree arch. Surgery, or least were renducted involving accompanying pain or distress to the animals and for which appropriate anisthetic, avaigness, or tranquitizing drugs were used.	E. Number of animals upon which feaching.  E. Number of animals upon which feaching.  experiments, research, surgery or tests were  conducted involving accompunying pain or distress to the animals and for which the use of appropriate anesthetic, analysis, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these enumes and the reasons such drugs were not used must be affected to this report.	F.  TOTAL NO.  OF ANIMAL:  (Cols. C +  D + E)
4. Dogs			·		
5. Cats					
6. Guinea Pigs	·				
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep		,		·	
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
Rabbits	0	0	24		
Golden Hamsters	90	90	24	00	24
Cotton Rats	Ō ·	0	0	0	90
ASSURANCE STATEMENTS .	<del></del>		. 19	0 ·	19

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of anesthetic, analysis, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were lightnessed by the research facility.
- 2). Each principal Investigator has considered atternatives to painful procedures.
- This locitity is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUCL) A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of enimals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision animal care and use. reterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)
(Certify that the above is true, correct, and complete (7 U.S.C. Section 21-3).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF LEO. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/23/99

APHIS FORM 7023 (Replaces VS FORM 18-23 (OCT 88), which is ubsolute.) (AUG 91)

Interagency Report Control 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

43-R-0054

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY IName and Address, as registered with USDA include Zip Code)

WESTRECO INC - Friskies R&D 3916 PETTIS RD

DO BOCKWILL

ST JOSEPH, MO 64503

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) Same as #2 above ٠.,.

FACILITY LOCATIONS (Siles)

1

See Attached

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or lests were sconducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO OF ANIMAL  (Cols. C D + E)
4. Dogs	0	244	0	0	244
5. Cats	0	685	0	0	685
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	,				
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals				:	
				·	
•		l .	•:		

### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of . animal care and use. 1.5

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE	OF C.E.O.	OR INSTITUTIONAL	OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL

\_ in ...

DATE SIGNED 9/21/99

APHIS FORM 7023 (Replaces VS FORM 18-23 (OCT 88), which is obsolete to

See reverse side for additional information. Interagency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

43-R-0057

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code)

HEARTLAND HEALTH System

5325 FARAON ST

ST JOSEPH, MO 64506-3398 NOV =1 2 ....

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional FACILITY LOCATIONS (Sites)

Heartland Regional Medical Center - West 9572 8th & Faraon <u>St. Joseph, Mo.</u> 64501 REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adictional sheets if necessary or use APHIS FORM 7023A.) B. Number of Number of animals upon which teaching, C Number of D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments... Animals Covered bred,-. conducted involving accompanying pain or distress which leaching, leaching, research, By The Animal conditioned or research, to the animals and for which the use of appropriate surgery, or tests were TOTAL NO. Wellare Regulations held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would conducted involving OF ANIMALS teaching, testing, lesis were have adversely affected the procedures, results, or accompanying pain or experiments. conducted interpretation of the teaching, research, distress to the animals research, or involving no experiments, surgery, or tests. (An explanation of and for which appropriate (Cols. C + D + E) surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were purposes. relieving drugs. must be attached to this report). Dogs 0 0 26 Cats 26 Guinea Pios Hamsters Rabbits Non-human Primates 10. Sheep Pigs 11. 12. Other Farm Animals 13. Other Animals **ASSURANCE STATEMENTS** 

**APHIS FORM 7023** 

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

	7 7 7 72	
IGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	CMIC	٠
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	COXCT	IC
		,,,,,

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL

DATE SIGNED

Heartland Health System

88), which is obsolete.)

See reverse side for - additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE -ANIMAL AND PLANT HEALTH INSPECTION SERVICE

43-R-0101

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2397

ANTIGEN LABORATORIES INC

28-36 \$ MAIN ST 5100 ROCKHITLE RD - P.O. BOX 123

LIBERTY, MO 64068

3. REPORTING FACILITY (List all locations where animals v	were housed or used in actual research, testing, teaching, or experimentation, or held for these purpose:	
sheets if necessary.)	purposes	s. Attach additional

FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adjultional sheets if necessary or use APHIS FORM 7023A.) B. Number of C Number of Number of animals upon which teaching, D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments. Animals Covered bred, -which leaching, conducted involving accompanying pain or distress leaching, research, By The Animal conditioned, or research. to the animals and for which the use of appropriate surgery, or tests were conducted involving Welfare Regulations held for use in TOTAL NO anesthetic, analgesic, or tranquilizing drugs would experiments, or teaching, testing, OF ANIMALS lests were have adversely affected the procedures, results, or accompanying pain or experiments. conducted interpretation of the teaching, research, distress to the animals research, or involvina na experiments, surgery, or tests. (An explanation of and for which appropriate (Cois. C + D + E) surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or yet used for such use of painanimals and the reasons such drugs were not used tranquilizing drugs were purposes. relieving drugs. must be attached to this report). used Dogs Cats 986 0 0 Guinea Pigs Hamsters Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This lacifity is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023

See reverse side for - additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE -ANIMAL AND PLANT HEALTH INSPECTION SERVICE -

43-R-0102

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

DEC

NW MO STATE UNIVERSITY

800 UNIVERSITY DR

\$<del>109</del>x<del>8</del>x<del>8</del>x<del>8</del>x<del>8</del>xx MARYVILLE, MO 64468

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

203B Garrett-Strong Bldg., 800 University Dr. Northwest Missouri State University Maryville, MO<sup>See</sup> 4468<sup>red</sup>

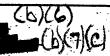


REPORT OF ANIMALS USED BY OF	B. Number of .				
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquitizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	none	none	none	none de la	
5. Cats	none	none	none	none	
6. Guinea Pigs	none	none	none	none .	
7. Hamsters	none	none	none	none .	
8. Rabbits	none	none	9	none	9
9. Non-human Primates	none	none	none	none	
10. Sheep	none	none	none	none	
11. Pigs	none	none	none	none	
12. Other Farm Animals	попе	none	none	none	
,					
13. Other Animals	none	none	none	none	
					<b>†</b>
			-		1.
ASSURANCE STATEMENTS		• •			<u> </u>

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report, is addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of 1920 BROWN

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/24/99

APHIS FORM 7023 117 (Replaces VS FORM 18-23 (OCT 88)

This report is required by law (7 USC 2143). Failure to report according to the regulations can

result in an order to cease and desist and to be subject to penalties as provided for in Section 2150. 43 R

Interogency Report C

- 0180-00A-AN

2/2

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. FORM APPR 43-R-105 OMB NO. 057 USER ITTER ENTRY FOR LIGHT Z HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered w mo western State College ANNUAL REPORT OF RESEARCH FACILITY 4525 Downs Dr. (TYPE OR PRINT) # 91 Japan, mo 64507 भारतेको । एका १५ ए एक्क्क्ट्रिक ५६ १५ ५५ कुछ ५००० 2. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, reaching, or experimentation, or held for these SM201 Mo West 3106004 T. 6. 15 1 FACILITY: LOCATIONS (Sites) \* ...\* 1.12.1911 REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Altach adjustmental shopes it necessary or use APHIS FORM 7023A.) B. Number of ... C Number of :-E. Number of animals upon which teaching. D. Number of assimals upon enimals being animals upon experiments, research, surgery or tests were which experiments. bred. which teaching, Animals Covered conducted involving accompanying pain or distress teaching, research, to the animals and for which the use of appropriate By The Animal conditioned or iseesich, Weltare Regulations surgery, or lests were . TOTAL NO. held for use in anesthetic, analgesic, or tranquitizing drugs would experiments, or . . conducted involving OF ANIMALS teaching; testing, have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of lesis were accompanying pain or experiments, conducted distress to the animals research, or involving no क्षींच्यो सहस्र गहराः and for which appropriate (Cols. C + D + E) zñidela phi uos pain, distress, or the procedures producing pain or distress in those anesthetic analossic or. Vet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were purposes. must be attached to this report). relieving drugs. 11964 0 0 (O 0 Dogs  $oldsymbol{o}$ O 0 6 0 5. Cats 0 0 0 0 Guinea Pigs 0 0 0 7. Hamsters G0 0 0 8. Rabbits 0  $\circ$ Ò 9. Non-human Primates 0 10. Sheep O 0 11. Pigs 0 O 0 12. Other Farm Animals O 13. Other Animals **ASSURANCE STATEMENTS** 1). Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were tollowed by this research facility. 2). Each principal investigator has considered alternatives to paintul procedures.

- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.	O. OR INSTITUTIONAL OFFICE

(b)(b)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

12.1.99

 See reverse side for additional information. NOV 26 -99 Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE . ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

43-R-0107

FORM APPROVED OMB NO. 0579-0036

HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

LINCO RESEARCH INC 14 RESEARCH PARK DR 5100 ROCKHILL RD ST CHARLES, MO 63123

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

FACILITY LOCATIONS (Sites)

Same as above

A 444

See Attached

A.  Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs				With the second	
5. Cats					
6. Guinea Pigs	13		34		34
7. Hamsters				2	
8. Rabbits				·	
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
			· ·		
13. Other Animals					
					1
				·	

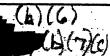
### ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

ef Executive Officer or Legally Responsible Institutional Official)
I certily that the above is true, correct, and complete (7 U.S.C. Section 2143).

C.E.O. OR INSTITUTIONAL OFFICIAL



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/22/99

See reverse side for - additional information. " interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

43-R-0108

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY IName and Address, as registered with USDA... include Zip Code)

> ABC LABORATORIES INC 7200 E ABC LN 5100 ROCKHILL RD

COLUMBIA, MO 65202

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional ABC Laboratories and UMC Foremost Dairy Research Center

FACILITY LOCATIONS (Sites)

ABC Laboratories

A	B. Number of	C Number of		cessury or use APHIS FORM 7023A)	
Animals Covered- By The Animal Wellare Regulations	animals being - bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMAL:  (Cols. C +  O + E)
4. Dogs		13		·	13
5. Cats					
6. Guinea Pigs		5			5
7. Hamsters				•	
8. Rabbits					
9. Non-human Primates					•
10. Sheep					
11. Pigs			-		, .
12. Other Farm Animals	•				
Dairy Cattle ·		5			5
13. Other Animals					

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, feaching, festing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

	(Chief Executive Officer of	QUARTES RESEARCH FACILITY OFFICIAL or Legally Responsible Institutional Official) true, correct, and complete (7 U.S.C. Section 2143).	
SIGNA	(b)(c) (b)(7)(c)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	9/23/99
91)	(Replaces VS FOR 8-23 (OCT 88), which		HEADY IASTEDS

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an exter to cause and desist and to be subject to penalties as provided for in Section 2150.

See reverse side for - additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

43-R-0110

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

EXCEL BIO PRODUCTS INC

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

PO BOX 104

17WY 40 WEST

WASHBURN, MO 65772

. .

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

include Zip Code)

DASH BURN MISSOURI

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs		•	,		
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits			·		
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
GOATS		48			48
13. Other Animals					
· · · · · · · · · · · · · · · · · · ·					
				·	

### **ASSURANCE STATEMENTS**

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of . animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Typ

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

43-R-0111

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

LINCOLN UNIVERSITY

PO BOX 29

5100 ROCKHILL RD

JEFFERSON CITY, MO 65102-0029

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) Lincoln University

FACILITY LOCATIONS (Siles)

Small Animal Research Facility See Attached

36)

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drups were conducted involving accompanying pain or distress to the animals and the reasons such drups were conducted involving accompanying pain to the animals and of the teaching, research surgery or tests to the animals and the reasons such drups were conducted involving accompanying pain to the paintern of the suspension of the teaching, research, surgery or tests conducted involving accompanying pain to the animals and for which the use of anesthetic, analgesic, or tranquilizing of the procedures procedures procedures animals and the reasons such drups were conducted involving accompanying pain to the animals and for which the use of anesthetic, analgesic, or tranquilizing of the procedures and the reasons to the animals and the reasons to the procedures animals and the reasons to the procedures animals.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	13	13	0	0	13
9. Non-human Primates					
10. Sheep		,			
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
Gerbils	60	60	0	0	60
·					

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, lesting, surgery, or experimentation were followed by this research facility.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED 10/19/00



See reverse side tor additional information.

Interagency Report Suntrol No. 0180-00AAN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. R-0112

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

2. HEADOLIARTERS RESEARCH FACILITY (Name and Address, 83 registered with USDA include Tip Code)

Southeast Mo. State Univ. (D) (MS6200 (b) C7) Eape: Girardeau, MO63701-4799

<ol> <li>REPORTING FACILITY (List all locations wi sheets if necessary.)</li> </ol>	here animals, were housing or used in across on	icarch, lesting, teaching, or experimentallic	on, or held for these purposes.	Attach additional
	FACILITY LOCA	TIONS (Siles)		
318ARhode	s Hall, Campus			

REPORT OF ANIMALS USED BY OF	UNDER CONTROL OF		(Allach admillional sheets if ne	COSSON OF USA APHIS FORM 7023A)	
Animals Covered By The Animal Weffare Regulations	Number of animals being bred, conditioned, or held for use m leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or liftly were conducted involving no pain, distress, or use of pain-reflexing drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distries to the sumass and for which appropriate anesthetic, analysis, or tranquistring drugs were used.	E. Number of animols upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anestheric, analgesic, or tranquisting drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs			·		
7. Hamsters					
8. Rabbits		·		, and the second	
9. Non-human Primates			·		
10. Sheep					
11. Pigs		, i	•		
12. Other Farm Animals					-
13. Other Animals					
Petaurus bericeps		12			12
Glaucomys sabrinus		2			2
ASSURANCE STATEMENTS		<u> </u>			

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research tacility.
- (2) Each principal investigator has considered atternatives to paintul procedures.
- (3) This sacility is adhering to the standards and regulations under the Act, and it has required man exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brest explanation of the exceptions, as well as the species and number of animals attached.
- (4) The attending veterinaries for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL  (Chief Executive Officer or Legally Responsible Institutional Official)  I certify that the above it true, correct, and complete (? U.S.C. Section 2142).						
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (b)(c) (b)(7)(C)	NAME & TITLE OF CEO OR HETITUTIONAL OFFICIAL (Troo of Trade) (C)	DATE SIGNED 12/15/99				

See reverse side for - additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

43-R-0113

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA: include Zip Code)

> CENTRAL BIOMEDIA INC 9900 PFLUMM RD UNIT 61

5100-ROCKHILL-RD-

LENEXA, HO 66215 KS 6621

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Central Biomedia, Inc.

0425 W. V Highway, Irwin, MO 64759

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred,-conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, . teaching, research, surgery, or tests were -conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquitizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMAL  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
Horses	0	0	5	0	5
13. Other Animals					
				·	
		•			<u> </u>

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This lacility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- .4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of . animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL

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NOV 30 1999

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 43-R-01114

FORM APPROVED OMB NO. 0579-0036

HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Quintiles, Inc. 10245 Hickman Mills Drive Kansas City, MO 64137

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

Biopharmaceutical Sciences Department

A	B. Number of	C Number of	D. Number of animals upon	E. Number of animals upon which teaching.	1_
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	TOTAL NO. OF ANIMALS  (Cois. C + D + E)
4. Dogs	11	23		,	23
5. Cats					
6. Guinea Pigs	5		66		66
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals			<u> </u>		
13. Other Animals					· · · · · · · · · · · · · · · · · · ·
<del></del>					

### SSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL Type or Print Ch.C.J. Ch.C.J.C.J.

DATE SIGNED

11/29/99

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150.

See reverse side lor - additional information.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

47-R-0002

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

CREIGHTON UNIVERSITY

2500 CALIFORNIA PLAZA

School of Medicine/ Animal Resources OMAHA, NE 68178

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)

Criss I, II, & III Beime Tower

Rigge Science

Boyne Building

Α .	B. Number of			cessury or use APHIS FORM 7023A)	
Animals Covered By The Animal Wellare Regulations	animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which feaching, experiments, research; surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilitzing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMAL:  (Cols. C +  D + E)
4. Dogs	9		16		16
5. Cats			. 8		8
6. Guinea Pigs			293		293
7. Hamsters			145		145
8. Rabbits			. 7		7
9. Non-human Primates			0		0
10. Sheep			0		0
11. Pigs			4		4
12. Other Farm Animals					
13. Other Animals					
Miœ			1467		1467
Rats			513	·	513
ASSURANCE STATEMENTS					

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research lacility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

9

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150.

See reverse side for additional information.

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 47-R-004

0004

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

University of Nebraska-Lincoln

307 Administration Building

Lincoln NE 68588-0467

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

# See attached list NIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if Decessary or USE APRIS FORM 70224.)

A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs			77		77
5. Cats			79		79
6. Guinea Pigs					
7. Hamsters		96			96
8. Rabbits		14 •	29		43
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
Opossums			4		4

### ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the
  principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In
  addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(6)(6) (b)(7)(c) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11 7 9 55

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150.

additional information.

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

47-R-0009

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Code)

FTHR FLANAGAN BOYS HOME

Boys Town, NE 68010

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)

Boys Town National Research Hospital 555 N 30th St., Omaha, NE 68131

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.) B. Number of Number of D. Number of animals upon E. Number of animals upon which teaching, animals being noqu zlamina which experiments, . experiments, research, surgery or tests were Animals Covered bred .- which leaching, conducted involving accompanying pain or distress leaching, research, By The Animal conditioned, or research. to the animals and for which the use of appropriate Surgery, or lesis were Welfare Regulations held for use in experiments, or TOTAL NO anesthetic, analgesic, or tranquilizing drugs would conducted involving leaching, testing, OF ANIMALS lesis were have adversely affected the procedures, results, or accompanying pain or experiments, conducted interpretation of the leaching, research. distress to the animals research, or involving no experiments, surgery, or tests. (An explanation of and for which appropriate (Cols. C + D + E) surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or yel used for such animals and the reasons such drugs were not used use of pain-Iranquilizing drugs were purposes. must be attached to this report). relieving drugs. used 0 Dogs 0 Cats 0 Guinea Pigs 0 Hamsters 0 Rabbits 0 Non-human Primates 0 10. Sheep 0 11. Pigs 0 12. Other Farm Animals 13. Other Animals Gerbils 113 90 117 0 207

### ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of ... animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

Boys Town Nat'l Res. Hosp.

25nov99

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

HOM FEBRUARY TO SERVING AND AREA

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

Omaha College of Health Carrers

225 N 80th Stret Omaha, NE 68114

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles) 57 (AVI) 180 (17) (17) (18)

225 N 80th Street, Omaha, NE

Α	B. Number of	C Number of		cessary or use APHIS FORM 7023A.)	
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in . teaching, testing, experiments, research, or surgery but not	animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain- relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMAL  (Cols. C + D + E)
4. Dogs		15	15		15
5. Cats		+4	14		14
6. Guinea Pigs		Ŋ			8
7. Hamsters		12			12
8. Rabbits		$\sim$			3
9. Non-human Primates					
10. Sheep					
11. Piqs					
12. Other Farm Animals					
13. Other Animals					
· · · · · · · · · · · · · · · · · · ·					
	. '				

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

	Chief Executive Officer or I certify that the above is true	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) e, correct, and complete (7 U.S.C. Section 2143).	
SIGNATURE OF C.E.O. OR	(b)(c)(c)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
APHIS FORM 7023	(Replaces VS FOR) 23 (OCT 88), which is		

See reverse side for - additional information.

Interagency Report Control No 0180-DOA-AN ...

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

47-R-0016

FORM APPROVED

### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) GOOD SAMARITAN HOSPITAL

10 E 31ST ST

KEARNEÝ, NE 68847

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)

Good Samaritan

10 E 31st Street

Animals Covered By The Animal Wellare Regulations	Animals Covered By The Animal wellare Regulations Wellare Regulations Held for use in leaching, testing, experiments, research, or surgery but not yet used for such		D. Number of animals upon which experiments, leaching, research, surgery, or tests were sconducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were	the procedures producing pain or distress in these animals and the reasons such drugs were not used.	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	parposes.	relieving drugs.	used	must be attached to this report).	
5. Cats			2		2
6. Guinea Pigs			:		~
7. Hamsters				·	
8. Rabbits					·
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals				1	
13. Other Animals					
ASSURANCE STATEMENTS			:		

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

DATE SIGNED

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

See reverse side for - additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE . ANIMAL AND PLANT HEALTH INSPECTION SERVICE .

47-R-0017

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

> NE COLLEGE OF TECH AG RR 3 BOX 23-A

2001 S SUMMIT AVE

CURTIS, NE 69025-0069

. . .

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Sites)

SAME

See Attached

833

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred,—conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely allected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	0	0	13	0	13
5. Cats	0	0	6	0	6
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	0	0	0
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	·				
Cattle	0	0	132	0	132
13. Other Animals					
Horses	0	0 .	3	0	. 3

### **ASSURANCE STATEMENTS**

SIGN

- 1). Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE -ANIMAL AND PLANT HEALTH INSPECTION SERVICE

47-R-0018

FORM APPROVED OMB NO. 0579-0036

HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

NOV 29.

UNIV OF NEBRASKA MED CTR Comparative Medicine 986385 Nebraska Medi

986385 Nebraska Medical Center

OMAHA, NE 68198-6385

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

See Attached

A.  Animals Covered By The Animal Welfare Regulations	nimal conditioned, or research, teaching, research,		E. Number of animals upon which teaching, - experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)	
4. Dogs	0	0	68	0	
5. Cats	4	18	0	0	68 18
6. Guinea Pigs	0	8	Ö	0	8
7. Hamsters	0	550	320	0	870
8. Rabbits	0	39	254	0	293
9. Non-human Primates	0	0	9	0	9
10. Sheep	0	0	44	0	44
11. Pigs	0	5	216	0	221
12. Other Farm Animals					:
13. Other Animals					

### SSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

1 certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTE CHALL OFFICIAL ( ) (()

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)

DATE SIGNED

1/23/55

See reverse side for - additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

47-R-0019

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA (b) (b) (b) (m) (c)

1320 Twin Ridge 6941 THE KNOLLS

2001 & SUMMIT AVE L'ACOLA DE 68570

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)



Animals Covered  By The Animal Welfare Regulations Welfare Regulations Welfare Regulations  Animals being bred, conditioned, or held for use in teaching, testing, experiments, or tests were conducted involving accompanying pain or distress to the animals and for which teaching, accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analogistic, or tranquilizing drugs would have adversely affected the procedures, research, or interpretation of the teaching, research, and for which the use of animals upon which teaching.  E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving anosthetic, analogistic, or tranquilizing drugs would have adversely affected the procedures, research, or interpretation of the teaching.		cessary or use APHIS FORM 7023A )	(Attach adiditional sheets if ne	RESEARCH FACILITY	UNDER CONTROL OF	REPORT OF ANIMALS USED BY OF
5. Cats 6. Guinea Pigs 7. Hamsters 8. Rabbits 9. Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals	F.  TOTAL NO.  OF ANIMAL:  (Cols. C +  D + E)	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely allected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were activated.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-	b. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such	Animals Covered By The Animal
6. Guinea Pigs 7. Hamsters 8. Rabbits 9. Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals	23			23	5	4. Dogs
7. Hamsters  8. Rabbits  9. Non-human Primates  10. Sheep  11. Pigs  12. Other Farm Animals	034					5. Cats
8. Rabbits 9. Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals						6. Guinea Pigs
9. Non-human Primates 10. Sheep 11. Piqs 12. Other Farm Animals						7. Hamsters
10. Sheep  11. Pigs  12. Other Farm Animals						8. Rabbits
11. Pigs  12. Other Farm Animals						9. Non-human Primates
12. Other Farm Animals						10. Sheep
						11. Piqs
13. Other Animals					·	12. Other Farm Animals
13. Other Animals						
	5	:				13. Other Animals
ASSURANCE STATEMENTS						

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- .4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE -ANIMAL AND PLANT HEALTH INSPECTION SERVICE

47-R-0021

FORM APPROVED

OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) UNIV OF NEBRÄSKA-OMAHA

6001 DODGE ST

2001 S SUMMIT AVE OMAHA, NE 68182-0274

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)

See Attached

wine Ha

REPORT OF ANIMALS USED BY O	B. Number of	C Number of			<del>,</del>
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, .     teaching, research, surgery, or lests were -conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which feaching,	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates	0	65	0	0	65
10. Sheep					
11. Piqs					
12. Other Farm Animals		,			
13. Other Animals					
fero mys cus		30		-	30
		l ·			

### ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, lesting, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

University of Nebraska at Omaha

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in a order 15 case and desist and to be subject to penalties as provided for in Section 2150.

- additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

47-R-0022

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA... include Zip Code) NE COMMUNITY COLLEGE

801 E BENJAMIN AVE 2001 S SUMMIT AVE NORFOLK, NE 68701-0469

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

CLASSROOM SITE:

FACILITY LOCATIONS (Siles) LAB SITE:

4

Agriculture/Allied Health Building 801 East Benjamin Avenue, Norfolk, NE See Attached

2016 North Victory Road

Norfolk, NE

REPORT OF ANIMALS USED BY O	B. Number of	C Number of		E. Number of animals upon which teaching.	<del></del>
Animals Covered By The Animal Wellare Regulations	animals being bred,— conditioned, or held for use in feaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F  TOTAL NO.  OF ANIMAL:  (Cois. C -  D + E)
1. Dogs			36		35
5. Cats			30		30
6. Guinea Pigs		2	;		2
7. Hamsters					0
8. Rabbits		8			8
9. Non-human Primates	<u> </u>	0			0
10. Sheep		40			40
11. Pigs		60			60
12. Other Farm Animals		100			100
Cattle		•			
13. Other Animals		8		•	8
Horses					
	<u> </u>			-	
			•		

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

OF.C.EO. OR INSTITUTIONAL OFFICIAL

OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

01-38

FORM 18-23 (OCT 88), which is obsolute.)

agency Report Control No 0180-DOA-AN . .

UNITED STATES DEPARTMENT OF AGRICULTURE -ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

47-R-0024

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

> PFIZER ANIMAL HEALTH 601 W CORNHUSKER HWY

LINCOLN, NE 68521

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, lesting, teaching, or experimentation, or held for these purposes. Attach additional sheels if necessary.)

FACILITY LOCATIONS (Siles)

See Attached

A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred,conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were sconducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMAL: (Cols. C + D + E)
4. Dogs	<u> </u>	324	283 *** Attac	hment	607
5. Cats		96			
6. Guinea Pigs		793			793
7. Hamsters		18,357		4153 * Attachment	22,510
8. Rabbits		1.954	2 * Attachmen		1,956
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals				:	

### **ASSURANCE STATEMENTS**

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. O VETTUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)



# 47R 0024

Attachment

September30,1998--October1,1999

- \* 4153 hamsters used for lepto testing 9CFR 113.101,113.102,113.103,and 113.104
- \*\* 2 rabbits were administered Freund's Complete Adjuvant.
- \*\*\* 48 dogs were administered Freund's Complete Adjuvant

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 47-R-0025

FORM APPROVED OMB NO. 0579-0036

w

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

UNIVERSITY | WEBRASKA - Keanney

905 W 25 - ST

Keanney, NE

68849

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Dept of Psychology
UNIVERSITY of NEAROSKA-Keanney
Keanney NE 688619

ordense and

REPORT OF ANIMAL SUSED BY	JE 6 8	5C1 9			·		
A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such		Animals Covered By The Animal Welfare Regulations Welfare Regulations  Animals Covered By The Animal Conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such  Animals Covered bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such  Animals Covered which teaching, research, or lests were conducted involving no pain, distress, or use of pain-		D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were	Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgésic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs							
5. Cats							
6. Guinea Pigs			·				
7. Hamsters			,				
8. Rabbits			·				
9. Non-human Primates							
10. Sheep							
11. Pigs							
12. Other Farm Animals		·					
13. Other Animals		,					
RATS	75	222			222		
mice	52	165			165		
FroGS	10	4			. 4		
ASSURANCE STATEMENTS					· · · · · · · · · · · · · · · · · · ·		

1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

IGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME LITTLE OF C.E.Q. OR INSTITUTIONAL OFFICIAL (Ty)

NAME & TITLE OF C.E.Q. OR INSTITUTIONAL OFFICIAL (Type or Print)

See reverse side for .. - additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE . ANIMAL AND PLANT HEALTH INSPECTION SERVICE

> 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA OCT 25 1999 include Zip Code)

47-R-0026

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

BIOCOR ANIMAL HEALTH INC

2720 N 84TH ST

FOUNDERS HALL

OMAHA, NE 68134

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)

2724· N. 84TH STREET, OMAHA NE 68134.

See Attached

27484 KING AVE, RUSHMORE MN

A.  Animals Covered By The Animal Wellare Regulations	imals Covered bred, which leaching your research		D. Number of animals upon which experiments, teaching, research, surgery, or tests were sconducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs		68	,		68
5. Cats	4	12	·		12
6. Guinea Pigs	38	533			
7. Hamsters	80	2709		4290	533
8. Rabbits			309	7230	6999
9. Non-human Primates					309
10. Sheep		180			100
11. Pigs		35			180
12. Other Farm Animals	·				35
CATTLE		159		,	
13. Other Animals					159
	22	·			

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

## Optional Column E Explanation Form

This form is intended as an aid to complete and its use is voluntary. Names, addresses not required as part of an explanation. A cunderstood by lay persons as well as scient	, protocols, Column E e	veterinary care pr	ograms, and the like	form e, are
				<del></del>
1. Registration Number: 47-R-0	0026			
2. Number 4290	of an	imals used in this	s study.	
3. Species (common name) HAMSTERS	of an	imals used in this	s study.	
4. Explain the procedure producing pa	in and/or d	istress.	•	•
Testing is performed in hamsters and 113.104 to release USDA lice hamsters listed in column E were or as negative control animals,	ensed prod e either u	luct containing sed for passag	leptospira orga e of the challen	nisms. The
9CFR regulations do not allow the testing.	ne adminis	tration of any	treatment concu	rrent with
5. Provide scientific justification why prelieved. State methods or means used relief would interfere with test results. (question 6 below)	to determin	e that pain and/	or distress	
Federally mandated testing.				
				. •
6. What, if any, federal regulations requ the Code of Federal Regulations (CFR) number (e.g., APHIS, 9 CFR 113.102):	title numbe	ocedure? Cite the er and the specifi	e agency, c section	
Agency APHIS	CFR	9CFR 113.101,	<u>113.102</u> , 113.10	3, 113.104
		• •	,	•

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

> 1

1. REGISTRATION N

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code) University and College System of Nevada

Nellor Building (MS-340) Reno, Nevada

(b) (b)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

- See Attachment 1 -

REPORT OF ANIMALS USED BY OF	B. Number of	C Number of		E. Number of animals upon which teaching,	1
Animals Covered By The Animal Wellare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	TOTAL NO OF ANIMAL: (Cols. C + D + E)
4. Dogs	-0-	136	-0-	-0-	136
5. Cats	-0-	-0-	-0-	-0-	-0-
6. Guinea Pigs	-0-	1,150	169	-0-	1,319
7. Hamsters	-0-	-0-	-0-	-0-	-0-
8. Rabbits	-0-	76	16	-0-	92
9. Non-human Primates	-0-	-0-	-0-	-0-	-0-
10. Sheep	-0-	-0-	283	-0-	283
11. Pigs	-0-	4	-0-	-0-	4
12. Other Farm Animals	-0-	-0-	-0-	-0-	-0-
13. Other Animals					
Deer Mouse	-0-	630	-0-	-0-	630
Kangaroo Rat	-0-	81	-0-	-0-	81
Kangaroo Mouse	-0-	· 2	-0-	· -0-	2

ASSURANCE STATEMENTS

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of a and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility

2) Each principal investigator has considered alternatives to painful procedures

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions. is well as the species and number of animals affected

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care audito giversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNAT DEELCIAL NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (TYPE OF PTINE)

DATE SIGNED

& Community College System University of Nevada

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

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See reverse side for additional information.

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 88-R-000 FORM APPROVED OMB NO. 0579-0036

HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

University and Community College System of Nevada

C/O Nellor Building (MS-340)
Reno, Nevada 89557

### CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adultional sheets if necessary or use this form.) Number of animals upon which teaching, B. Number of C Number of Number of animals upon animals being experiments, research, surgery or tests were animals upon which experiments. bred. conducted involving accompanying pain or distress which teaching, **Animals Covered** leaching, research. to the animals and for which the use of appropriate By The Animal conditioned, or research, TOTAL NO. surgery, or tests were anesthetic, analgesic, or tranquilizing drugs would Welfare Regulations held for use in experiments, or OF ANIMALS conducted involving teaching, testing, have adversely affected the procedures, results, or lesis were accompanying pain or experiments, conducted interpretation of the teaching, research, distress to the animals experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these research, or involving no (Cols. C + and for which appropriate surgery but not pain, distress, or D + E) anesthetic, analyesic, or yet used for such animals and the reasons such drugs were not used 12. &/OR 13. Other use of paintranquilizing drugs were purposes. must be attached to this report). relieving drugs. (List by species) -0-16 -0-16 -0-Ground Squirrels -0-154 -0-154 -0-Pocket Mouse 5 -0--0-5 -0-Pinyon Mouse 365 -0-365 -0--0-Cactus Mouse 5 -0--0-5 -0-Grasshopper Mouse -0-23 -0-23 -0-Desert Wood Rat 22 -0-22 -0--0-Harvest Mouse -0-16 -0--0-16 Canyon Mouse -0-39 Palmers Chipmunk -0-39 -0-

### **ASSURANCE STATEMENTS**

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

1 certify that the above is true, correct, and complete (7 U.S.C. Settion 2143).

OF CEO OR INSTITUTIONAL OFFICIAL (b)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL TYPE OF RITHU

University & Community College System of Nevada

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

12-R-0003

Durham, NH 03824

HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with

### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

USDA, include Zip Code)

University of New Hampshire Office of Sponsored Research NOV 2 9 1999

PART 1 - HEADQUARTERS

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets necessary.)

FACILITY LOCATIONS (Sites)

\*\*\*\*\*\*\*\* See attached list \*\*\*\*\*\*\*\*

REPORT OF ANIMALS USED BYOR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A)

A. Animals Covered by the Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which leaching, research; experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F. TOTAL NO. OF ANIMALS (Cols. C+D+E)
4. Dogs	. 0	0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	38	0	0	38
7. Hamsters	0	0	69	0	69
8. Rabbits	0	0	12	0	12
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	24	0	140	0	140
12. Other Farm Animals					
Cow	0	0	. 1	0	1
13. Other Animals	0	0	0	0	0
Whitetail Deer	16	0	21	0	37

### ASSURANCE STATEMENTS

APHIS FORM 7023 (Replaces VS FORM 18-23 (OCT

(AUG 91)

- Professionally acceptable standards governing care, treatment and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this 1) research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.

nich is obsolete)

- This facility is adhering to the standards and regulations under the Act, and it has required exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected. 3)
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use. 4)

(b)(G)(b)(7)(C)	(Chief Executive I certify that the a	BY HEADQUARTERS RESEARCH FACILITY OFFICE  Officer or Legally Responsible Institutional Official  Complete (7 USC Section 214	al) 3)
THE OF CEO OR INSTITUT	TIONAL OFFICIAL	NAME AND TITLE OF CEO OR INSTITUTIONAL OFFICIAL	November 12, 1999

See reverse side for

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO 08 12R 0008

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) Blogenesis, Inc.

PO Box 1016 107 Service Building Kingston, NH 03848 Status: Active

DEC 0.1 1959

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary )

**FACILITY LOCATIONS (Siles)** See Attached (b)(b)(7)(c) 180 ROUTE 125 BRENTHOOD, NH 03833 REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets it necessary or use APHIS FORM 7023A.) Number of C Number of D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments. Animals Covered conducted involving accompanying pain or distress bred. which leaching, teaching, research, By The Animal conditioned, or research, to the animals and for which the use of appropriate surgery, or tests were TOTAL NO. **Welfare Regulations** held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS conducted involving have adversely affected the procedures, results, or teaching, testing, lesis were accompanying pain or interpretation of the teaching, research, experiments, conducted distress to the animals experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these research, or involving no (Cols. C + D + E) and for which appropriate surgery but not pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were purposes. relieving drugs. must be attached to this report). used Dogs Cats Guinea Pigs 7. Hamsters 8. Rabbits 9. Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals . . **ASSURANCE STATEMENTS** 

- Professionally acceptable standards governing the care, freatment, and use of animals, including appronate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
	(Chief Executive Officer or Legally Responsible Institutional Official)
Á	I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)
	·

SIGNATURE OF C.E. O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 93-R-003

FORM APPROVED OMB NO 0579-0036

 HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Lans

Sutter Institute for Medical Research 52nd and F Streets Sacramento, CA 95819

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)					
SIMR Research Laboratory	Farm for boarding research farm animals				
Sutter Memorial Hospital	31489 Road #19				
52nd and F Streets	Woodland, CA 95695				
Sacramento CA 95819					

Sacramento, REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A)	
A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving-no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS.  (Cols. C + D + E)
4. Dogs			20	XXXXX	20
5. Cats			2	XXXXXX	2
6. Guinea Pigs			NA	XXXXX	NA
7. Hamsters			NA	MAXXXX	NA
8. Rabbits			NA	XXXXXX	NA
Non-human Primates			NA	MAXXXX	NA
10. Sheep			1	XXXXXX S	1
11. Pigs			115	MAXXXX MAXXXX MAXXXX XXXXXX XXXXXX	115
12. Other Farm Animals				<i>p</i>	
Goat			1	XXXXXX	1
13. Other Animals			NA	MXXXXX	NA
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				222 6	
ASSURANCE STATEMENTS	.1			IN SEPT BIN	

### ASSURANCE STATEMENTS

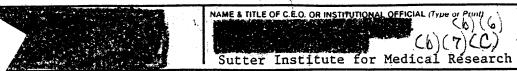
- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anequalizing dring the care, treatment, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified add explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

# CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)



DATE SIGNED

4,1999

- 5 1999

OCT

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036 N S Laris

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

Stanford University Department Of Comparative Medicine Stanford University RAF 1, Bldg 330, Quad 7  $C\lambda$ 94305-5410

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

SEE ATTACHED

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of aniinals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs		0	110	0	110
5. Cats		0	0	0	0
6. Guinea Pigs		0	23	0	23
7. Harnsters		6	347	0	353
8. Rabbits		0	1,494	0	1,494
Non-human Primates		0	207	0	207
10. Sheep		0	101	0	101
11. Pigs		0	432	0	432
12. Other Farm Animals			_		
13. Other Animals					
Ferret		0	208	0 -	208
Gerbil		27	126	0	153
Ground Squirre		0	49		49

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility. ugs, pnor tỏ, dunng,

2). Each principal investigator has considered alternatives to painful procedures

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4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

OR INSTITUTIONAL OFFICIAL (Type or Print)

Interagency Report Control No. 0180-DOA-AN

INITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

I. REGISTRATION NO. 93-R-0004

FORM APPROVED OMB NO 0579-0036

**CONTINUATION SHEET FOR ANNUAL REPORT** OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA Stanford University

Department of Comparative Medicine RAF 1, Bldg. 330, Quad 7 94305-5410 Stanford, CA

REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	F RESEARCH FACILITY	' (Attach adiditional sneets if ne	cessary or use this form.)	
Animals Covered By The Animal Welfare Regulations  12. &/OR 13. Other (Ust by species)	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquitizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in those animals and the reasons such drugs were not used must be attached to this report).	F TOTAL NO. OF ANIMALS (Cols. C + D + E)
Trumpet tailed ra	<u> </u>	0	11	0	11
Tromper carred to	<u></u>	<u> </u>		V	
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ASSURANCE STATEMENTS					

1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesther Malgesid and Ashquilizing drugs, prior to, during. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures.

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and egulations be specified and explained by the principal investigator and approved by the Institutional Actual Care and the Constitutional Care and the Care and principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)
I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

DATE SIGNED

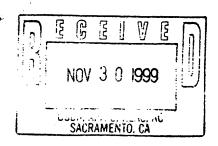
**APHIS FORM 7023A** (AUG 91)

Stanford University
Department of Comparative Medicine
USDA Registration # 93-R-0004

USDA Annual Report 10/1/98 – 9/30/99

## Section 3, Facility Locations:

- 1. Sherman Fairchild Building
- 2. Falk Cardiovascular Research Building (CVRB)
- 3. Gilbert Biological Sciences Building
- 4. Herrin Hall, Biosciences Building
- 5. Laboratory Animal Medicine Satellite Animal Compound (LAMSAC)
- 6. Research Animal Facility I (RAF I)
- 7. Research Animal Facility II (RAF II)
- 8. SCORE Animal Facility



ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO.

FORM APPROVED Laris OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Loma Linda University School of Medicine Animal Care Facility Loma Linda, CA 92350

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

### FACILITY LOCATIONS (Siles)

Loma Linda University Medical Center

Risley Hall, Loma Linda University Alumni Hall, Loma Linda University

Evans Hall, Loma Linda University

University Farm, Loma Linda University

REPORT OF ANIMALS USED BY	OR UNDER CONTROL OF	RESEARCH FACILITY	l (Attach adiditional sheets if ne	ecessary or use APHIS FORM 7023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	6 .	0	6
5. Cats	0	0	6	0	6
6. Guinea Pigs	0	45	0	0	45
7. Hamsters	14	170	0 \	0	170
8. Rabbits	0	6	3	0	9
9. Non-human Primates	0	0	.11	Per telephone W	11
10. Sheep	16	176	58		262 2.34
11. Pigs	0	0	39	(b)(6) 0 73 NG. PM	39
12. Other Farm Animals				(b)(7)(c)	
Goats	0	0	6	0	6
13. Other Animals					
				101	
				IIII NOV 2 2 ISSS	
ASSURANCE STATEMENTS					

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL  (Chief Executive Officer or Legally Responsible Institutional Official)  (Chief Executive Officer or Legally Responsible Institutional Official)  (Chief Executive Officer or Legally Responsible Institutional Official)  (Chief Executive Officer or Legally Responsible Institutional Official)				
SIGNATURE OF C.E.O., OR INSTITUTIONAL AFFICIAL	Loma Linda University	DATE SIGNED		

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 119

FORM APPROVED 13115 OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Animal Resources Center City of Hope National Medical Center Beckman Research Institute 1500 E. Duarte Road, Duarte, CA

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, lesting, teaching, or experimentation, or held for these -purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles) Animal Resources Center REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach admitted a sheets if necessary or use APHIS FORM 7023A.) B. Number of E. Number of animals upon which teaching, Number of D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments, Animals Covered : By The Animal bred. which teaching, conducted involving accompanying pain or distress teaching, research. conditioned, or research. to the animals and for which the use of appropriate surgery, or tests were conducted involving TOTAL NO. Welfare Regulations held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS teaching, testing, have adversely affected the procedures, results, or tests were accompanying pain or experiments, conducted interpretation of the teaching, research. distress to the animals research, or experiments, surgery, or tests. (An explanation of involving no and for which appropriate (Cols. C + D + E) surgery but not yet used for such pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or use of painanimals and the reasons such drugs were not used tranquilizing drugs were purposes. must be attached to this report). relieving drugs. Dogs Cats Guinea Pigs Hamsters Rabbits **XX** 0 24 8. 24 Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals M ASSURANCE STATEMENTS Inil Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of appears. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility. OCT 22 200 2). Each principal investigator has considered alternatives to painful procedures

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions as well as the species and former of animals affected.

4). The attending veterinarian for this research facility has appropriate authority to ensure the provise care and to oversee the adequacy of other animal care and use. اها (١١٥

> CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional ()fficial)

Learnity that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATE

7023

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

APHI

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

- - - -

1. REGISTRATION NO. 13 -2.

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Code)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Childrens Hospital Los Angeles Research Institute Animal Research Facility, MS #84 4650 Sunset Blvd.,

Los Angeles, CA 90027

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

N/A

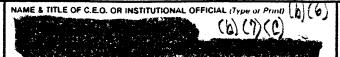
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	O O	0	Ó	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	90	0	90
8. Rabbits	0	0	13	0	13
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	4	0	4
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0 -	0	0	0	0
13. Other Animals	N/A	,		•	·
				۸,	

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report, in addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



DATE SIGNED

9/24/99

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Code)

The Scripps Research Institute 10550 N. Torrey Pines Rd. La Jolla, CA 92037

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these -purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

10550 N. Torrey Pines Rd. La Jolla

10205 Pomerado Rd. San Diego

11107 Roselle St. San Diego 92121

Α.	B. Number of	C Number of		cessary or use APHIS FORM 7023A.)  E. Number of animals upon which teaching.	, · · · · · · · · · · · · · · · · · · ·
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	-0-	-0-	-0-	-0-	-0-
5. Cats	-0-	-0-	78	-0-	78
6. Guinea Pigs	-0-	-0-	47	-0-	47
7. Hamsters	-0-	-0-	-0-	-0-	-0-
8. Rabbits	-0-	-0-	919	-0-	919
9. Non-human Primates	-0-	-0-	74	-0-	74
10. Sheep	-0-	-0-	1	-0-	1
11. Pigs	-0-	-0-	-0-	-0-	-0-
12. Other Farm Animals					
goats	12	-0-	3	-0-	3
13. Other Animals					
naked mole rat	-0-	-0-	14	-0-	14

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, due and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy-of other aspects of animal care and use.

## CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official) Leartify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

OFFICIAL (Type or Print)

DATE SIGNED

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA ınclude Zip Code)

### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

# Harbor-UCLA Research and Education Institute 1124 W. Carson Street Torrance, CA 90502

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these -purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

C-1, C-1 Annex, C-2, D-1, D-4, E-1, E-1 Annex, E-3, E-4, F-1, F-1 Annex, F-2, F-6, F-7,

RB-1, RB-2, RB-2 ANnex

REPORT OF ANIMALS USED BY (	OR UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A.)	
Animals Covered By The Animal : Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMAL  (Cols. C +  D + E)
4. Dogs			82		82
5. Cats			9		9
6. Guinea Pigs			20		20
7. Hamsters			1		
8. Rabbits		22	526	,	548
9. Non-human Primates			·		
10. Sheep			213		213
11. Pigs			87		87
Goat 12. Other Farm Animals			8		8
Calf			18		18
13. Other Animals					

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequate veterinary. animal care and use.

### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED 9/30/99

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

FORM APPROVED 12 OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

University of Southern California 2011 Zonal Ave., HMR 214 Los Angeles, CA 90033

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

USC, University PArk

Site I - USC, Health Sciences Campus

Los Angeles, CA 90089

2011 Zonal Ave., HMR 214 Los Angeles, CA 90033

A.  Animals Covered  By The Animal  Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	0	4	35	0	39
5. Cats	0	. 0	0	0	0
6. Guinea Pigs	0	0	156	0	156
7. Hamsters	0	0	57	0	57
8. Rabbits	0	424	1781	0	2.205
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	7	330	0	337
12. Other Farm Animals	0	0	0	0	0
13. Other Animals	0	0	0	0	0
ASSURANCE STATEMENTS					·

1) Professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of avesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, feaching, testing, surgery, or experimentation were followed by this research facility:

2). Each principal investigator has considered alternatives to painful procedures

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well approved exceptions, this summary includes a brief explanation of the exceptions, as well approved exceptions, this summary includes a brief explanation of the exceptions.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary. Should be subjected the adequacy of other aspects of animal care and use.

	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
21 /21 20 2 1 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1	(Chief Executive Officer or Legally Responsible Institutional Official)
(b)(6), (b)(7)(c)	1 certify that the above is true, correct, and complete (7 U.S.C. Section 2143) (6) (6)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

10/22/99

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolute )

DIST : SERVICE CONTROL

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

13-R-0025

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

California Department of Health Services 2151 Berkeley Way, Room 512 Berkeley, CA 94704

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these -purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

2151 Berkeley Way, Berkeley, CA 94704

6250 Lambie Road, Suisun, CA 94585

A	B. Number of	C Number of		cessury or use APHIS FORM 7023A.)	<del></del>
Animals Covered By The Animal Welfare Regulations:	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which teaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	-0-	-0-	-0-	-0-	-0-
5. Cats	-0-	0-	-0-	-0-	-0-
6. Guinea Pigs	-0-	-0-	-0-	-0-	-0-
7. Hamsters	-266-	-2-	-0-	-0-	_2_
8. Rabbits	-0-	-0-	<u></u>	-0-	_ 7
9. Non-human Primates	-0-	-0-	-0-	-0-	_0_
10. Sheep	-0-	-0-	-0-	-0-	-0-
11. Pigs	-0-	-0-	-0-	-0-	-0-
12. Other Farm Animals	-0-	-0-	-0-	-0-	-0-
	·				
13. Other Animals					
ab bred mice	22,955	-0-	-7200-	-0-	-7200-
Lab bred rats	-0-	-0-	-12-		-12-
	·				
ASSURANCE STATEMENTS				المالية المستارة المستارة المستارة المستارة المستارة المستادة المس	-

1) Professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of anishetic, analgesic, and tranquilizing drugs prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

OCT 2.5 \$3.00

2). Each principal investigator has considered alternatives to painful procedures

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is allocated to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the SACRATAGIATORY of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(Chief Executive Office	CADQUARTES RESEARCH FACILITY OFFICIAL er or Legally Responsible Institutional Official) to its true, correct, and complete (7 U.S.C. Section 2143)	1.
(b)(7)(C)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) (6)(7)(C)	DATE SIGNED 10/22/99

APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolete)

1. REGISTRATION NO. 93-R-0026

Laris FORM APPROVED (

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

SRI International 333 Ravenswood Avenue Menlo Park CA 94025

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Buildings L, T & K

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, conducted invito the animals anesthetic, an have adversel interpretation experiments, the procedure animals and the conduction of the conduction of the procedure animals and the conduction of	imals upon which teaching, research, surgery or tests were olving accompanying pain or distress and for which the use of appropriate algesic, or tranquilizing drugs would y affected the procedures, results, or of the teaching, research, surgery, or tests. (An explanation of its producing pain or distress in these he reasons such drugs were not used the this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	4	0	101	Pero-	teleabore w/	101
5. Cats						18/2/(c)
6. Guinea Pigs	. 0	19	8	0	- 23 (16,99	27
7. Hamsters /	0	35	0	0		35
8. Rabbits	0	13	58	32		103
9. Non-human Primates						
10. Sheep					·	
11. Pigs	36	0	0	48		\$49 (X
12. Other Farm Animals						
13. Other Animals				į		
					DEPEIN	P :

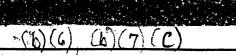
### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analysis, and tranquilizing drugs, prior to during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of annuals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and the overses the attending veterinary care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF CER OF INSTITUTIONAL OFFICE



11/19/97

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

93-R 0026



**EXECUTIVE OFFICES** 

SACS1\_\_\_\_\_SACS2\_A B C 2 E

November 18, 1999

Mr. Robert M. Gibbens
Director
U.S. Department of Agriculture
Animal and Plan Health Inspection Service
Western Sector, Animal Care
9580 Micron Avenue, Suite J.
Sacramento CA 95827-2623

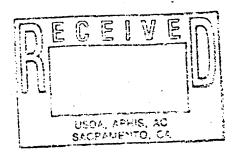
Registration No.: 93-R-026

Dear Mr. Gibbens:

Enclosed is SRI International's "Annual Report of Research Facility" for the period of October 1998 through September 1999. Studies listed as Category E were conducted in accordance with FDA guidelines (CFR 21 § 312.23) and the 1993 FDA Toxicological principles. Animals classified in Category E were on toxicity studies done to determine pharmacokinetics, bioavailability or side effects of new drugs or chemicals. Usually none of these effects are known at the time of testing. In most instances, no side effects were noted, or only minor side effects, such as transient vomiting or diarrhea. However, because of the potential that animals may experience more than momentary pain or distress, animals on these types of studies are classified as E Category.



(b)(6) (c)(?)(C)



## SRI International

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Iditional information	7	C	0180-DOA-AN

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

118

1. REGISTRATION NO.

a

FORM APPROVED OMB NO 0579-0036 2

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

California Institute of Technology Office of Laboratory Animal Resources 156-29 1200 E. California Blvd. Pasadena, CA 91125

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) Biology Dept.

FACILITY LOCATIONS (Siles)

A.  Animals Covered  By The Animal  Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs:	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (COIS. C +  D + E)
4. Dogs					0
5. Cats					0
6. Guinea Pigs					0
7. Hamsters		47			47
8. Rabbits					0 ,
9. Non-human Primates	24	3	. 19		22
10. Sheep				·	0
11. Piqs			4		0
12. Other Farm Animals					0
13. Other Animals					
		month to an expense of a series of security of a second state of		-	
		,			

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care a animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICE (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

eithe adequaty of diner aspects of

SIGNATURE OF CEO OR INSTITUTIONAL OFFICIAL (b) (b)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type on Print)

USDA, A SACRAME DATE SIGNED 11/16/99

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

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See reverse side for additional information.	00	19-eragency Report Control N 03-09-903-AN	ю

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Code)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Children's Hospital Medical Center of Northern California 747 52nd Street Oakland, CA 94609

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)

Children's Hospital Oakland Research Institute, Animal Facility

Animals Covered:  By The Animal  Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	Enssury or use APHIS FORM 7023A.)  E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these, animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	0				0
5. Cats	0				. 0
6. Guinea Pigs	0		1		0
7. Hamsters	0	· · · · · · · · · · · · · · · · · · ·	, V		0
8. Rabbits	0				0
9. Non-human Primates	0				0
10. Sheep	0				0
11. Pigs	0			_	0
12. Other Farm Animals	0				0
13. Other Animals	0			-	0
······································			•		
ASSURANCE STATEMENTS					

1) Professionally acceptable standards governing the care, treatment, and use of animals, including approvate use or anesthetic, analgesic, and tranquilizing dwos, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility?

Each principal investigator has considered alternatives to painful procedures

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Cure and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well-astrophysical and include a different distribution of the exceptions.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adictionary of other aspects of ammal care and use.

> CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Legitify that the above is true, correct, and complete (7.U.S.C. Section 2143)

DATE SIGNED

SIGNATURE OF C.E.O. OR INSTITUTIONAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Reporting Period: 10 1 98 - 9 30 99 Cedacs-Sinai Medical Center 8700 Beverly Blvd., Davis Room 7004 Los-Angeles, CA 90048

3. REPORTING FACILITY (List all locations where anim	als were housed or used	in actual research, tes	sting, teaching, or experime	entation, or held for these	purposes. Attach additional
Davis Bldq.,	7th Floor	Vivacium	and Floors	2-6 Gabs C	ore Success

FACILITY LOCATIONS (Siles)

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs			. 99		99
5. Cats					
6. Guinea Pigs			15		15
7. Hamsters		4	90		94
8. Rabbits		265	33		298
9. Non-human Primates					
10. Sheep					
11. Pigs			374		374
12. Other Farm Animals					
13. Other Animals			·		
mice		1,581	6,234		7,815
cats		191 -	1,659		1,850
					.·

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Annual Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATIONALY HEADQUARTES RESEARCH FACILITY OFFICIAL Afficer or Legally Responsible Institutional Official) ove is true, correct, and complete (7 U.S.C. Section 2143) SIGNATURE OF C.E.O. O NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

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ee reverse side for dditional information	<b>う</b>	10480

gency Report Control No DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 93-R-0034

Laris

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

California Pacific Medical Center Research Institute (CPMC RI) 2340 Clay Street, Suite 533 San Francisco, CA 94115

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Siles)

2200 Webster St. - Gerbode Building

A.  Animals Covered  By The Animal  Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research; experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, feaching, research, surgery, or fests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthelic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs			0		0
5. Cats			5		5
6. Guinea Pigs			0		0
7. Hamsters			0'.		0
8. Rabbits			34		34
9. Non-human Primates	•		2.		2
10. Sheep			Ü		0
11. Pigs			10		10
COWS 12. Other Farm Animals			5		5
GOATS			15		15
13. Other Animals					h
	V 2		<u>-</u>	MEGELVEN	
				151	
					<u> </u>

- Professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of anesthetic, analgesic, and transplant and transplant transplant treatment or experimentation were followed by this research facility and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility. SACRAMENTO.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary inclindes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL

DATE SIGNED

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

(AUG 91)

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See reverse side for additional information. Interagency Report Control No. 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. A

FORM APPROVED OMB NO 0579-0036 11

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

California Institute for Medical Research 2260 Clove Dr. San Jose, CA 95128

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Siles)

California Institute for Medical Research

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits		9	56		65
9. Non-human Primates			•		
10. Sheep					
11. Pigs					
12. Other Farm Animals				-	
13. Other Animals					
·					
		1		TRPRIMED.	

Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use ptahesthetic, analgesic, and tranquilizing dries, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2) Each principal investigator has considered alternatives to painful procedures

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Annual Care and Use Committee (IACUC). A summary of all such exceptions is attactive of this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the specific function of annuals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

		CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL.
	12121	(Chief Executive Officer or Legally Responsible Institutional (Official)
61(6)	(h)(7)(c)	ficertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C

NAME & TITLE OF C.E.O. OR INSTITUTIONAL

DATE SIGNED

11/17/99

**APHIS FORM 7023** 

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(AUG 91)

See reverse side for Laris Interagent additional information.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

FORM APPROVED

OMB NO 0579-0036

### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Code)

Huntington Medical Research Institute 734 Fairmount Ave. Pasadena CA 91105-3104

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these -purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Siles)

734 Fairmount Ave, Basadena, CA 91105

99 North El Molino Ave, Pasadena CA 91101

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL:  (COIS. C + D + E)
4. Dogs					·
5. Cats	17		42		42
6. Guinea Pigs					
7. Hamsters			·		
3. Rabbits	12	2	107		109
9. Non-human Primates					,
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
				-	<u> </u>
				DECE WE	
1) Professionally acceptable s and following actual resear	standards governing the rch, teaching, testing, sur	care, treatment, and us gery, or experimentati	se of animals, including approxi on were followed by this resear	ate use of desphelic, analgesic, and franquitting decis, p	ior to, during,
2) Each principal investigator					

4) The attending vetermarian for this research facility has appropriate authority to ensure the provision of adequate vetermary care and to oversee the adequacy of other aspects of annual care and use.

(INCA)	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFIC	CIAL.
(4)(6)	Chief Executive Officer or Legally Responsible Institutional Officia	.1)
(b)(b) (b)(7)(c)	certify that the above is true, correct, and complete (7 U.S.CSection 2143)	

DATE SIGNED

ti Control No

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. ルフラ

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Palo Alto Medical Foundation, Res. Inst. 860 Bryant Street Palo Alto, CA 94301

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional Same as Above sheets if necessary.)

FACILITY LOCATIONS (Siles)

\*\*Report prepared by

10/8/99

REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	F RESEARCH FACILITY	/ (Attach pulletteen)	cussury or use APHIS FORM 7023A.)	
A	B. Number of	C Number of			<del></del>
Animals Covered : By The Animal : Welfare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (COIS. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs			·		
7. Hamsters			:		
8. Rabbits			4		4
9. Non-human Primates					
10. Sheep			·		
11. Piqs			2		2
12. Other Farm Animals		-			
13. Other Animals			2		
Mice			9,623		9,623
Rats			114		114
					444
ASSURANCE STATEMENTS				17 6 9 6 J W 3	

Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate jise of inesthetic, analgesic, and transpublication for the during. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility

2). Each principal investigator has considered alternatives to painful procedures.

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions id the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such assembly of all such assembly of all such assembly of this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as \$400 k.W. Shared all administration of the adequacy of other aspects of the attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate an area to oversee the adequacy of other aspects of the adequacy of the adequacy of other aspects of the adequacy of the adeq

to oversee the adequacy of other aspects of animal care and use

# CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED 10/08/99

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

sheets if necessary.)

1. REGISTRATION NO. 1377

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Codel

OV UCLA Education & Research Institute 14445 Olive View Drive, Room 218 Lab Building

	Sylmar, CA	91342-1495		
3. REPORTING FACILITY (List all locations where animals were housed or used in actual res	search, resting, teaching	), or experimentation, or h	eld for these purposes.	Attach additional

FACILITY LOCATIONS (Siles)

OV-UCLA Education & Research Institute - Vivarium (Address same as #2)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Altach additional sheets if necessary or use APHIS FORM 7023A.) E. Number of animals upon which teaching, C Number of D. Number of animals upon animals being experiments, research, surgery or tests were animals upon which experiments, Animals Covered bred. which leaching, conducted involving accompanying pain or distress leaching, research, By The Animal conditioned, or to the animals and for which the use of appropriate research. TOTAL NO surgery, or tests were Welfare Regulations held for use in anesthetic, analgesic, or tranquilizing drugs would experiments, or conducted involving OF ANIMALS teaching, testing, have adversely affected the procedures, results, or tests were accompanying pain or experiments, interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of conducted distress to the animals research, or involving no (Cols. C + D + E) and for which appropriate surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or yel used for such animals and the reasons such drugs were not used use of pain-Iranquilizing drugs were purposes. relieving drugs. must be attached to this report). Dogs Cats Guinea Pigs Hamsters 8. Rabbits Non-human Primates Sheep 11. Pigs 12. Other Farm Animals 0 0 13. Other Animals NO COVERED ANIMALS **ASSURANCE STATEMENTS** 

- Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and franquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary inclindes a brief explanation of the exceptions, as well as the species and number of animals affected. and to oversee the adequater of other asperts

4)	The attending vetermanian for	his research facility has appropriate authority to ensure the provision of adequate veterinary care .
	annnat care and use.	

### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (6) (6)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

9/23/99

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(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

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Interagency Report Control No 0180-DOA-AN

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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

93-R-0050

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

University of the Pacific 3601 Pacific Avenue Stockton, CA 95211

			Stoc	ekton, CA 95211	
3. REPORTING FACILITY (List all I sheets if necessary.)	ocations where animals	were housed or used	in actual research, testing, te	aching, or experimentation, or held for these purposes. Atta	ch additional
		FA	CILITY LOCATIONS (Siles)		
School of Pharmac	СУ				
REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILIT	Y (Altach adiditional sheets if	necessary or use APHIS FORM 7023A)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropria anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
			\		<del>                                     </del>
7. Hamsters					
8. Rabbits			31		31
9. Non-human Primates				<del>-  </del>	
10. Sheep					<u> </u>
11. Pigs				<del></del>	
12. Other Farm Animals					
13. Other Animals				<u> l</u>	
ASSURANCE STATEMENTS				1 5 15 15 17 11 11 15 15 11	<u> </u>
			ise of animals, including appr tion were followed by this resi	ornate use of anesthetic, analgesic, and tranquilizing drugs, p	rior to, during,
Each principal investigator I	•	• •		0CT - 1 ISS9	
This facility is adhering to the principal investigator and a	he standards and regula pproved by the Instituti	ations under the Act, a onal Animal Care and	and it has required that excep Use Committee (IACUC) - A s	thous to the standards and regulations be specified and explainment of all such exceptions is attached to this annual he exceptions, as well as the species and number of annuals a	al report. In
<ol> <li>The attending veterinarian li animal care and use.</li> </ol>	or this research facility	has appropriate authorized	ority to ensure the provision o	of adequate veterinary sale and to oversee the adequacy of ot	her aspects of
(b)(6) (b)(7)(c) =	(Chief E	xecutive Officer	•	RCH FACILITY OFFICIAL le Institutional Official) (7 USC Section 2143)	
SIGNATURE DE LEGICIE INSTITU	UTIONAL		NAME & TITLE OF C.E.	O OR INSTITUTIONAL OFFICIAL (Type or Print) (b) (6)	DATE SIGNED 9-27-99

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 93-R-0053

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Los Angeles Pierre College 6201 Winnetka Ave. Woodland Hills, CA 9137)

# ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

Agriculture Pepartment

FACILITY LOCATIONS (Sites)

		F RESEARCH FACILITY	(Attach adiditional sheets if ne	cessury or use APHIS FORM 7023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs			43	·	#3
5. Cats			28		28
6. Guinea Pigs			0		0
7. Hamsters			<b>O</b> •		0
8. Rabbits			12		12
9. Non-human Primates			0		0
10. Sheep	20				100 0
11. Pigs	2			Pertelephone W/	<b>S</b>
12. Other Farm Animals					<b>S</b>
Cattle	30			30Nov 99 - (1)	
13. Other Animals		·		l'	35
Herses	25				IS Ø
Hames	2				30
Mice			20	IN EGEINE	20
ASSURANCE STATEMENTS				11.54	

Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of animals including approriate use of animals and following actual research, teaching, testing, surgery, or experimentation were followed by this research familiary.

2). Each principal investigator has considered alternatives to painful procedures

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is affacilled to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well-as the species and humber of animals affected.

 The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

# CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Ficertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(b)(6) (b)(7)(C) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

Print) DATE SIGNED

(OCT 88), which is obsolete)

APHIS FORM 7023 (AUG 91)

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 93-R- 0053

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Los Argeles Pierce Collège 6201 Winnetka Ave Woodland Hills, CA 9137)

# CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

				wccouna 1019, at 1131/	
REPORT OF ANIMALS USED BY O			f (Attach adiditional sheets if ne	ecessary or use this form.)	
Animals Covered By The Animal Welfare Regulations  12. &OR 13. Other (List by species)	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, stirgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analysesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in those animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + . D + E)
Rats			1,2		12
Emu:					<b>\$</b> 0
Goats	17				AS
				·	
:					
			. \		
		7	·		
		· · · · · · · · · · · · · · · · · · ·			
			·		
		-	<u>.</u>		
		1	·		
ASSURANCE STATEMENTS	·				
ASSURANCE STATEMENTS					

1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures.

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and authority animals affected.

4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL  (Chief Executive Officer or Legally Responsible Institutional Official)  I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).						
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (6)(6)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print) $(b)(6)$ $(b)(7)(C)$	DATE SIGNED				

(AUG 91)

PART 1 - HEADQUARTERS

NOV 2 6 1999

additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

Lans

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Code) ALZA CORPORATION 1900 CHARLESTON ROAD

P.O. Box ZIO MOUNTAIN UIEN, CA 94039 - 72/0

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

1048 Huff Avenue Mountain Vew, CA 94043

REPORT OF ANIMALS USED BY		RESEARCH FACILITY	(Altach adiditional sheets if ne	cessary or use APHIS FORM 7023A.)	
Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or fests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	36	4		Ø	5
5. Cats	Ø	Ø	Ø	Ø	00
6. Guinea Pigs	433	795	110	arphi	1905
7. Hamsters	Ø	Ø	$\varphi$ :	Ø	Ø
8. Rabbits	14	16	9	0	10
9. Non-human Primates	Ø	Ø	Ø	Ø	Ø
10. Sheep	Ø	Ø	Ø	Ø	Ø
11. Pigs	8	4	8	Ø	12
12. Other Farm Animals	Ø	Ø	Ø	Ø	Ø
13. Other Animals	NA -				<b>&gt;</b>
O 795+	10 = 9	05 Pm	17-11-8-9	9 Deariner	
ASSURANCE STATEMENTS				וווענינטטטוחוו	11

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of animals, including approriate use of animals. analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to This annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and marginal affected.

SACRAMENTO. CA

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterin nd to oversee the adequacy of other aspects of animal care and use.

### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL itef Executive Officer or Legally Responsible Institutional Official)

ertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR.

AME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIA

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )

1. REGISTRATION NO. 1170

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

HEINZ PET PRODUCTS ANIHAL FACILITY 919 EARLE ST. TERMINAL ISLAND, CA

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

SAME AS LISTED ABOVE

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCA	ATIONS (Siles)
	<del></del>

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Altach admittional sheets if necessary or use APHIS FORM 7023A.) B. Number of Number of animals upon which teaching, D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments, Animals Covered bred, which leaching, conducted involving accompanying pain or distress teaching, research, By The Animal conditioned, or to the animals and for which the use of appropriate research, surgery, or tests were TOTAL NO. Welfare Regulations held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would conducted involving OF ANIMALS leaching, testing, tests were have adversely affected the procedures, results, or accompanying pain or experiments. conducted interpretation of the teaching, research, distress to the animals research, or involving no experiments, surgery, or tests. (An explanation of (Cols. C + D + E) and for which appropriate surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or yet used for such use of painanimals and the reasons such drugs were not used tranquilizing drugs were purposes. relieving drugs. must be attached to this report). used. Dogs Cats Guinea Pigs Hamsters 8. Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals

### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approvaled use and following actual research, teaching, testing, surgery, or experimentation were followed by this research analgesic, and tranquilliang drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research OCT 18 1999
- 2). Each principal investigator has considered alternatives to painful procedures
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as an use be specified and furniber of animals affected. 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary Collegian To November animal care and use. idequacy of other aspects of

(b) (b) (b) (7) (c)

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certificathat the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O., OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

Intl

18-23 (OCT 88), which is obsolete)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

73-R-00**66** 

FORM APPROVED OMB NO 0579-0036

D ( ) A

# ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

 HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

The Salk Institute for Biological Studies 10010 N. Torrey Pines Road La Jolla, CA 92037-1099

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

Site: 00l

FACILITY LOCATIONS (Siles)

Site: 002

The Salk Institute for Biological Studies

Elliott Field

54	54
54	54
54	54
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304	304
22	2:
	•
38	. 38
536	530
_	38 536

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing diugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected:
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

# CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Ecertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(b)(7)(C)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL Type o

(b)(7)(C)

DATE SIGNED

APHIS FORM 7023

18-23 (OCT 88), which is obsolete)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

The Salk Institute for Biological Studies 10010 North Torrey Pines Road La Jolla, CA 92037-1099

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)

The Salk Institute-Biologicals Development Ctr. PO Box 250

Swiftwater, PA 18370

A.	D. Number of	C Number of		cessary or use APHIS FORM 7023A.)  E. Number of animals upon which teaching.	·
Animals Covered By The Animal Wellare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
. Dogs					
i. Cats					
. Guinea Pigs		0	0		0
. Hamsters			1		
. Rabbits		0			0
. Non-human Primates					
0. Sheep					
1. Pigs					
2. Other Farm Animals			-		
3. Other Animals					
				N 62 6 1 62 6 86 66	

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the this facility is adjering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

## CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

A)(7)(C)	NAME & TITLE OF G. CO. NOTIFICIAL OFFICIAL (Type or Print)	DATE SIGNED
	chi(r)(c)	11/4/99
(AUG 91) (Replaces VS FORM 18 (OCT 88), which is	obsolete.)	11111

Laris Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036 /

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Allergan 2525 Dupont Drive Irvine, CA 92612

### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) FACILITY LOCATIONS (Siles)

A. Animals Covered : By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs		43		` .	43
5. Cats		76			76
6. Guinea Pigs		2370			2370
7. Hamsters		112	3 <sup>'</sup> 6		148
8. Rabbits		2596	296		2892
9. Non-human Primates		89	. 8		97
10. Sheep	·				
11. Pigs		12	·		12
12. Other Farm Animals					-
13. Other Animals					
: •					.*

Professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of peasits prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility in

2). Each principal investigator has considered alternatives to painful procedures

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and eighbiors be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the specific start number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF G.E.O. OR INSTITUTIONAL OFFICE

NAME & TITLE OF G.C.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

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result in an order to count and design and to be subject to possition as provided for in Section (150)

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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0038

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 1999

93-R-0074 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zio Codel

Beckman Coulter, Inc. 4300 N. Harbor Blvd. P.O. Box 3100

Fullerton, CA 92834-3100 3, REPORTING FACILITY (List all locations where animals were housed or used in actual inseranch, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (SI(00)

Site One: Beckman Coulter, Inc.

NIA Ranch, 30481 Grande Ave.

Sun City, CA 92585

Site Two: Beckman Coulter, Inc.

7330 Carroll Road

San Diego, CA 92121

Animals Covered Sy The Animal Welfare Regulations	8. Number of animals being bred, conditioned, or held for use in feaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	O Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving secompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of onimals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate unesthetic, analgesic, or tranquilizing drugs would have odversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be accorded to this report).	F.  TOTAL NO. OF ANIMALS  (COIS. C + D + E)
4. Dogs					· · · · · · · · · · · · · · · · · · ·
5. Cats					
6. Guinez Pigs					
7. Hamsters					
8. Rabbits	2	8			8
9. Non-human Primates					
10, Sheep	·				
11. Pigs					
12. Other Farm Animals					
13. Other Animals	·				
Goats	16	143	6		149
Mice		9,813		9	,813
ASSURANCE STATEMENTS				TO BRIBBO	

1) Professionally acceptable arandards governing the care, treatment, and use of animals, including appropriate use of bhas helic, analysis, and tranquilizing drips chor to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research tacility. DEC | 4 1999

2) Each principal investigator has considered alternatives to painful procedures

3). This tacistry is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under a specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions as such exceptions as such exceptions, the summary includes a brief explanation of the exceptions, as well us the exceptions of an include of the exceptions.

4) The attending volumerium for this research faculty has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of ammol care and use.

> CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Ecertify that the above is trile, correct, and complete (7.0.5.0. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (6,

NAME & TITLE OF CEO, OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED 12/7/1999

APHIS FORM 7023 (AUG 91);

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

FORM APPROVED OMB NO 0579-0036 >

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Cosumnes River College 8401 Center Parkway Sacramento, CA 95823

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

**FACILITY LOCATIONS (Siles)** Veterinary Technology

A.				cessury or use APHIS FORM 7023A.)	
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (COIS. C +  D + E)
4. Dogs	1		13		13
5. Cats	2		6		. 6
6. Guinea Pigs	4			-	
7. Hamsters	2		1		
8. Rabbits			` 4		4
9. Non-human Primates				·	
10. Sheep			•		
11. Pigs					
12. Other Farm Animals					_
13. Other Animals					

**ASSURANCE STATEMENTS** 

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use disable and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility. tranquinzing divigs prior to, during,

2). Each principal investigator has considered alternatives to painful procedures

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Annual Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and unimals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary calculated the adequacy of other aspects of animal care and use.

### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

1. REGISTRATION NO.

2. HEADQUARTERS RESEARCH (Name and Address, as registered with USDA

FORM APPROVED OMB NO. 0579-0036

KG

### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Code, Loyola Marymount University

7900 Loyola Blvd. Los Angeles CA 90045-8316

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these "purposes." Attach additional **FACILITY LOCATIONS (Sites)** 

Seaver Hall of Science Both facilities at North Hall campus address above REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.) B. Number of E. Number of animals upon which teaching, Number of D. Number of animals upon animals being experiments, research, surgery or tests were animals upon which experiments, bred. which leaching, conducted involving accompanying pain or distress to the animals and for which the use of appropriate **Animals Covered** teaching, research, By The Animal conditioned, or research. TOTAL NO. surgery, or tests were held for use in anesthetic, analgesic, or tranquilizing drugs would Welfare Regulations experiments, or conducted involving OF ANIMALS have adversely affected the procedures, results, or interpretation of the teaching, research, teaching, testing, tests were accompanying pain or experiments, conducted distress to the animals experiments, surgery, or tests. (An explanation of research, or (Cols. C + D + E) and for which appropriate involving no the procedures producing pain or distress in these animals and the reasons such drugs were not used surgery but not pain, distress, or anesthetic, analgesic, or yet used for such use of paintranquilizing drugs were purposes. must be attached to this report). relievina druas. 4. Dogs Cats Guinea Pigs Hamsters Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals Kangaroo Rat No Continuation Sheet Used

### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anesthetic, analgesic, and tranquillang drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility  $\vec{j}$
- 2). Each principal investigator has considered atternatives to painful procedures.
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and in a dequacy of other aspects of SACTA HERENTO ME

### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (b)(b) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

VS FORM 18-23 (OCT 88), which is obsolute ) (AUG 91)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO

FORM APPROVED OMB NO. 0579-0036 /

### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

609 N College Are, Clarement CA 91711

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Pomme College 40 Dean Fred Grieme 221 Airmeder Hell

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Siles) Scaver South Animal Facility - Pomme College

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM 7023A.) Number of C Number of D. Number of animals upon E. Number of animals upon which teaching, animals being animals upon experiments, research, surgery or tests were which experiments, Animals Covered bred, which teaching, conducted involving accompanying pain or distress teaching, research, to the animals and for which the use of appropriate By The Animal conditioned, or research, surgery, or tests were conducted involving TOTAL NO anesthetic, analgesic, or tranquilizing drugs would held for use in Welfare Regulations experiments, or OF ANIMALS have adversely affected the procedures, results, or teaching, testing, tests were accompanying pain or interpretation of the teaching, research, experiments, conducted distress to the animals experiments, surgery, or tests. (An explanation of research, or on pnivlovni (Cols. C + D + E) and for which appropriate surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. Dogs Cats Guinea Pigs Hamsters Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals Rets (Ruthis Norveyings) Birds (Thyrotherus in pricapillas 150 色ス Conviction hills (Cichlosom ASSURANCE STATEMENTS

Professionally acceptable standards governing the care, treatment, and use of animals, including appronate use of animals including appronate use of animals and transport to a during. and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility:

2) Each principal investigator has considered alternatives to painful procedures

This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and exclaimed by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this animal report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending vetermarian for this research facility has appropriate authority to ensure the provision of adequate vetermary care and to oversee the adequacy of other aspects of animal care and use

### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Ecertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

F.C.E.O. OR INSTITUTIONAL OFFICIAL

(b) (b)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolute)

CCC

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 93ROO84

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

# CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

EPURI OF ANIMALS USED BY C	H ONDER CONTROL OF	FRESEARCH FACILITY	f (Attach adiditional sheets if ne	cessary or use this form )	
Animals Covered By The Animal Welfare Regulations  12. &JOR 13. Other (List by species)	8. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analysis, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests (An Applanation of the procedures producing pain or distress in those animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMAL (Cois. C D + E)
Electric Fish		8			8
Electric Fish Aux (Peromiscus calif	rnicas)		32		32
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				DEC 1 1989	
		_ :		USDA. APHIS. REAC, AC	<u> </u>

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

animal care and use.		
(Chief Executive Office	ADQUARTES RESEARCH FACILITY OFFICIAL r or Legally Responsible Institutional Official) is true, correct, and complete (7 U.S.C. Section 2143).	
SIGNATURE OF CEO. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
(6)(7)(6)	(b)(7)(C)	11/30/95

1. REGISTRATION NO. 93-A-0088

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

ULV- University of La verne Biology Dept. Room MA 25**0** 1950Third Street La Verne, CA 91750

# ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

sheets it necessary.)

**FACILITY LOCATIONS (Siles)** REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.) B. Number of E. Number of animals upon which teaching, C Number of D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments, Animals Covered 📑 which leaching, bred. conducted involving accompanying pain or distress leaching, research, conditioned, or By The Animal to the animals and for which the use of appropriate research, TOTAL NO surgery, or tests were Welfare Regulations held for use in anesthetic, analgesic, or tranquilizing drugs would experiments, or conducted involving OF ANIMALS tests were teaching, testing, have adversely affected the procedures, results, or accompanying pain or interpretation of the teaching, research, experiments. conducted distress to the animals research, or experiments, surgery, or tests. (An explanation of involving no (Cols. C + D + E) and for which appropriate surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were purposes. relieving drugs. must be attached to this report). 4. - Dogs Cats Guinea Pigs Hamsters 8. Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals 65 18 Rats 13 ß ASSURANCE STATEMENTS Professionally acceptable standards governing the care, treatment, and use of animals, including approriate userol anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

2). Each principal investigator has considered alternatives to painful procedures

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions in the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions and approved exceptions, this summary includes a brief explanation of the exceptions, as well is the species and number of a limits affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(b)(6), (b)(7)(c)

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 USC Section 2143)

URE OF C. E.O., OR INSTITUTIONAL OFFICIAL NAME & T

NAME & TITLE OF C.E.D. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

1-4-99

APHIS FORM (AUG 91)

(Replaces VS FORM 18

ST 88), which is obsolete)

additional information

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 16-

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA,

### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

include Zip Code)

**FACILITY LOCATIONS (Sites)** 

### 550 CENTER HALL ROAD

2) VALLEY LABORATORY SUPPLY

COCHRANVILLE, PA 19330

91752 4903 BAIN STREET, MIRA LOMA, CA

A.			<del>, , , , , , , , , , , , , , , , , , , </del>	cessary or use APHIS FORM 7023A.)	<del></del>
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS (Cois. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters			\		
8. Rabbits		1)2502)22	1) 2		274
9. Non-human Primates		<u> </u>			
10. Sheep		2		*	2
11. Pigs					
12. Other Farm Animals				_	
GOATS		135			1.35
13. Other Animals			,		
			* (SEE ATTACH	ENT)	
				ि हिं कि हिं । वत च	
ASSURANCE STATEMENTS				11111- 200 100	• : .

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anest bealgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility. **NOV** 25
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Annual Care and Use Committee (IACUC). A summary of all such exceptions is altaqued to this emittal report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and riember of alumnis affected. viual report. In
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of animal care and use.

## CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)

(b) (b)

DATE SIGNED

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO 11 4

FORM APPROVED

OMB NO. 0579-0036 🔏 🍾

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

Drew University Of Medicine And Science Office of the Vivarium 1731 East 120th Street Los Angeles, California 90059

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

Hawkins Bldg. 1731 East 120th Street, 3rd floor room ç3108

FACILITY LOCATIONS (Sites)

Hawkins Building, 3rd floor room 3108 1731 East 120th ST. Los Angeles, CA 900.

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMAL.  (Cols. C +  D + E)
4. Dogs		12			12
5. Cats					9
6. Guinea Pigs					
7. Hamsters		146	\		146
8. Rabbits		280			280
9. Non-human Primates			,		
10. Sheep				·	
11. Pigs					
12. Other Farm Animals	-				
13. Other Animals					
Mice		1050			1050
		· · · · · · · · · · · · · · · · · · ·			

1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and franquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures.

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending vetermanian for this research facility has appropriate authority to ensure the provision of adequate

( L \ ( '7' ( C ) Executive Of	HEADQUARTES RESEARCH FACILITY OFFICIAL. (Ficer or Legally Responsible Institutional Official) (b) (7) (6) (7) (6)	
SIGNAT	NAME & TITLE OF C.E.Q. OR INSTITUTIONAL-OFFICIAL (Type of P(IIV))	DATE SIGNED 4/28/99
(A DAM 18-23 (OCT 88).	which is obsolete)	*

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1/3°C

1. REGISTRATION NO. R-0105

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

OCCIDENTAL COLLEGE 1600 CAMPUS ROAD LOS ANGELES CA 90041

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) BIOLOGY DEPT., VIVARIUM RM 112

FACILITY LOCATIONS (Siles)

1600 CAMPUS ROAD

LOS ANGELES CA 90041

REPORT OF ANIMALS USED BY C	R UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A.)	
A.  Animals Covered: By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMAL  (Cois. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits			16		16
9. Non-human Primates					
10. Sheeo					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
ASSURANCE STATEMENTS					·

- SURANCE STATEMENTS

  1). Professionally acceptable standards governing the care, treatment, and use of animals, including approviate useful aneithetic, analgesic, professionally acceptable standards governing the care, treatment, and use of animals, including approviate useful aneithetic, analgesic, and the control of the care of drugs, prior to, during, NOV
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions, it is placed to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as included an included an included an included and explanation of the exceptions, as well as included an included an included and explanation of the exceptions.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

This report is required by law (2 USC 2143). Failure to report according to the riigulations can result in an order to chase and desist and to be subject to penalties as provided for in Section 2150.

See reverse side for additional information.

Interagency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

FORM APPROVED FORM APPROVED COMB NO. 0579-0038

93-R-0117

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, at registered with USDA include 21p Code)

Mt. San Antonio College 1100 N. Grand Avenue Walnut, CA 91789

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

FACILITY LOCATIONS (Siles)

A.  Animals Covered By The Animal Welfare Regulations	& Number of animals being bred. conditioned, or held for use a techniq. lessing, experiments, research, or surgery but not yet used for such purposes.	G Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs-	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anisathetic, analytess; or transjoiluring drugs were used.	E Number of onemals upon which teaching, experiments, research, surgery or tests were conducted unoxing accompanying pain or distress to the animals and for which the use of appropriate meethetic, shallgesic, or tranquisting drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL  (COIS. C D + E)
4. Dogs	0	150	0	0	150
5. Cats	0	25	0	0 .	25
6. Guinea Pigs	0.	0	0	0	0
7. Hamsiers	0	0	0	0	0
8. Rabbits	0	0	0	0	0
9. Non-human Primates	0	. 0	0	0	0
10. Sheep	0	0	0	0 -	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	. 0	0	0
13. Other Animals	0	0	0	, 0	0
				3 F	
				-	

#### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approximate use of animals, anoligesic, and tranquiliting drugs, prior to, during. and following actual research, teaching, testing, surgery, or experimentation were followed by this research locility.
- 2). Each principal investigator has considered alternatives to painful procedure:
- 3). This tachity is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Commuted (IACUC). A summary of all such exceptions is attached to this annual report, addition to identifying the IACUC approved exceptions, line summary includes a brief explanation of the exceptions, as well as the species and number of annuals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and are aspects of municipal circ and use.

#### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is time, correct, and complete (7 U.S.C. Section 2143).

DATS SIGNED

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) ry Non

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is absolute)

(AUG 91)

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result in un order to cease and itesist and to be subject to penalties as provided for in Section 2150

additional information

UINU-UJA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

CONTINUATION SHEET FOR ANNUAL REPORT

OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 93-R-0117

FORM APPROVED OMB NO. 0579-0035

2. HEACQUARTERS RESEARCH FACILITY (Nume and Address, as registered with USDA include Zip Code)

> Mt. San Antonio College 1100 N. Grand Avenue Walnut, CA 91789

	B. Number of	C Maria barra			
Animals Covered By The Animal Wellare Regulations	animate being bred, conditioned, or held for use ia teaching, lesting, experiments, research, or surgery but not	C Number of animals upon which teaching, research, experiments, or tosts were conducted involving no pain, distress, or	humber of animals upon which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate	experiments, research, surgery or tests were conducted involving accomponying pain or distress to the animals and for which the use of appropriate anesthetic, analogistic, or tranquilizing drugs would have adversely attected the procodures, results, or interpretation of the teaching, research,	TOTAL OF AND
12. &/CR 13. Other (List by species)	yet used for such purposes.	use of pain- relieving drugs.	anesthetic, analgesic, or tranquilizing drugs were used.	inimals and the reasons such drugs were not used must be attached to this report.	D +
Dreine	0	<u>~150</u>	0	· · · · · · · · · · · · · · · · · · ·	-150
Foline	0	عد	0	0 ()	25
-					
***Animals a	re no longe	r housed ov	ernight at the	College***	
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1). Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anesthetic; analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility:

2). Each principal investigator has considered alternatives to painful procedures.

ASSURANCE STATEMENTS

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards indants and regulations be specified and expla principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report in addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well be the spaces and number of animals affected.

4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to overses the adequacy of other impacts of animal race and use

(Chief Executive Of	HEADQUARTES RESEARCH FACILITY OFFICIAL fficer or Legally Responsible Institutional Official) above is true, correct, and complete (7 U.S.C. Section 2143).	
SICH THEOTOGO, OR THE TOTAL OFFICIAL	NAME & TITLE OF G.E.O. OR INSTITUTIONAL OFFICIAL (Type or Pring)	DATE SIGNED

APHIS FORM 7023A (AUG 91)

Part 1 - Headquarters

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Code) Baxter Healthcare - CVG 17221 Red Hill Avenue Irvine, CA 92614

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these - purposes. Attach additional

FACILITY LOCATIONS (Siles)

Biological Resource Center

A	B. Number of	C Number of		Decessary or use APHIS FORM (023A.)		
Animals Covered By The Animal Wellare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)	
4. Dogs	3	0	18	0	18	
5. Cats	0	0	0	0	0	
6. Guinea Pigs	31	1449	0	0	1449	
7. Hamsters	0	0	. 0	0	0	
8. Rabbits	14	509	120	0	629	
9. Non-human Primates	0	0	0	0	0	
10. Sheep	13	0	23	0	23	
11. Pigs	1	0	37	0 _	37	
12. Other Farm Animals						
Cows	0	7	9	0	16	
13. Other Animals						
				MERSING CI		

1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of animals. esthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research lacility

2). Each principal investigator has considered alternatives to painful procedures.

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations by specimed and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all success explained to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the specimen of Junior of Animals affected.

4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

FORM APPROVED OMB NO 0579-0036 1/1/ A

TILITY (Name and Address, as registered with USDA

San Diego Mesa College 7250 Mesa College Dr San Diego, Ca. 92111-4998

#### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS ISINES

Animal Health Technology P-300

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred. conditioned, or held for use in teaching, (esting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-retieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analogistic, or tranquilizing drugs were used.	Enumber of animals upon which leaching, experiments, research, surgery or leasts were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquiliting drugs would have adversely affected the procedures, results, or transpretation of the teaching, releases, experiments, surgery, or leasts. (An explanation of the procedures producing pain or distress in these animals and the reacons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMAL:  (Cols. C *  D * E)
L. Dogs		107	70		177
5. Cats		25	12		37
5. Guinea Pigs					
7. Hamsters		<u> </u>			10
S. Rabbits		4	6		
Non-human Primates			,		2
10. Sheep					2
11. Piqs		2			
2. Other Farm Animals	<u> </u>				5
Goat		5	<u> </u>		3
13. Other Animals					,
Bobcat	,	11			2
Coatimundi		2			7
Ferret		1		THE STATE OF THE S	<del>                                     </del>

 Prolessionally acceptable standards governing (he care, treatment, and use of animals, including approxime use of accepte
and following actual research, teaching, testing, surgery, or experimentation were tollowed by this research toolsty. DEC - 2 1999

2). Each principal investigator has considered atternatives to paintiff proceduras.

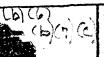
3). This tochity is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to the animals all extends with the standard animals are summary includes a brief explanation of the exceptions, as well as the standard animals all extends with the standard animals are summary includes a brief explanation of the exceptions.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary rare and to oversee the adequate of other aspects of principle and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (TITLE (BLT) CC DATE SIGNED

APHIS FORM 7029-(AUG 91).

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA.

MA-AOC 0810

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

I. REGISTRATION NO. 93-R-0124

include Zip Code)

FORM APPROVED CMB NO. 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

San Diego Mesa College 7250 Mesa College Dr San Diego, Ca 92111-4998

PORT OF ANIMALS USED BY C	B. Number of	C Number of	D. Number of spin-last	E Number of animals upon which teaching.	6
Animals Covered By The Animal Westare Regulations	animals being bred, conditioned, or hold for use in teaching, testing, experiments, research, or surgery but not yet used for such	animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain, distress, or use of pain.	Number of animals upon which experiments, teaching, research, surgery, or traits were conducted involving accompanying pain or distress to the animals and for which appropriate uneathetic, analysise, or	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the providures, results, or interpretation of the teaching, trisearch, experiments, surgery, or tests. (An explanation of the procedures producing pein or instress in those animals and the reasons such drugs +340 not used.	TOTAL OF ANI (Cols. D +
(List by species)	purposes.	relieving drugs.	tranquilizing drugs were used.	must be attached to this report.	
quine		11			1
lama		1			
*					
			·		
	<u> </u>				
			· · · · · · · · · · · · · · · · · · ·		

- 1). Professionally acceptable standards governing tile.care, treatment, and use of animals, including approviate use of anisated, analysis, and tranquisting drugs, prior ro, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Asimal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affolious.
- earch lacility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEA (Chief Executive Officer (certify that the above	LDQUARTES RESEARCH r or Legally Responsible I is true, correct, and complete (7 U)	nsuturional Official)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (() (6)	NAME & TITLE OF C.E.O. O	RINSTITUTIONAL OFFICIAL (Type of Print)	DATE SIGNED
APHIS FORM 7023A (AUG 91 )		DEC - 2 1999	ENDOUARTERS

name Companion 0180 00A-AN

UNITED	STATES	DEPARTME	NT OF	AGRICU	ILTURE
ANIMAL	AND PLA	NT HEALTH	INSPI	ECTION :	SERVICE

result in an order to cross and digital and to be subject to panalties as provided for in Section 2150.

1. REGISTRATION NO.

include Zip Code)

Lair 93-R-126

FORM APPROVED

OMB NO 0579-0036 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

W.M. Keck Science Center The Claremont Colleges 150 E. 10th Street Claremont, CA 91711

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach admittonal sheets if necessary)

FACILITY LOCATIONS (Sites)

Joint Science Department

91711 925 N. Mills Ave., Claremont, CA

A	B Number of	C Number of		cossury or use APHIS FORM 7023A;  E. Number of animals upon which teaching.	<del>,</del>
Animals Covered By The Animal Welfare Regulations	animals being brind, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	Drimals upon which reaching, research, experiments, or tests were conducted involving no puin, distress, or use of pam-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquisizing drugs were used.	experiments, research, surgery or tests ware conducted involving accompanying pain or distress to the enimals and for which the use of appropriate anostheric, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	F.  TOTAL NO.  OF ANIMAL  (Cols. C +  D + E)
4. Dogs		-			0
5. Cats			·		0
6. Guinea Pigs					0
7. Hamsters					0
8. Rabbits	,				0
9. Non-human Primates					0
10. Sheep			`		0
11. Pigs					0
12. Other Farm Animals					0
13. Other Animals			I.		0
	,				
				DEC 1:999 1111	
ASSURANCE STATEMENTS				USUA, 48518, 8540, 40	

1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate the Company and transporting drugs, prior to, during, and following actual research, teaching, festing, surgery, or experimentation were followed by this research facility

2). Each principal investigator has considered alternatives to pumlid procedures

 This famility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations he specified and explained by the
conceptal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

The arrunding votermation for this research facility has appropriate authority to ensure the provision of adequate vetermary care and to oversee the adequacy of other aspects of aminal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)
ticertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SITUTIONAL OFFICIAL

(b)(7)(c)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

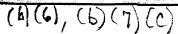
DATE SIGNED

11/30/99

APHIS FORM 7023 (AUG.91)

SIGNATURE O

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )



See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 93-R-013

OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

University of San Diego 5998 Alcala Park San Diego, CA 92110

3. REPORTING FACILITY (LIS	I all locations where	animals were housed	or used in actual research,	testing, teaching, or exper	imentation,	or held for	these purposes.	Attach additional
sheets if necessary.)	Archbold	Biological	Station(Lake	Placid, Fla.)	Serra	Hall	149(USD)	
			FACILITY LOCATIONS	(Sites)				

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.) B. Number of E. Number of animals upon which teaching. C Number of D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments, **Animals Covered** bred. which leaching, conducted involving accompanying pain or distress leaching, research, conditioned, or to the animals and for which the use of appropriate By The Animal research. TOTAL NO. surgery, or tests were Welfare Regulations held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would conducted involving OF ANIMALS leaching, lesting, lests were have adversely affected the procedures, results, or accompanying pain or experiments, interpretation of the teaching, research, conducted distress to the animals research, or experiments, surgery, or tests. (An explanation of involving no (Cols. C + D + E) and for which appropriate surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were purposes. relieving drugs. must be attached to this report). 4. Dogs Cats Guinea Pigs Hamsters Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals birds 0 0 6 rats 20 **ASSURANCE STATEMENTS** 

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report in addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species are frumber of inimials affected.

  4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and the exceptions are required.
- animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

APHIS FORM 7023

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print DE. 474 DOODE STONED

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA Foothill College yeterinary Technology Program 12345 El Monte Rd Los Altos Hills, CA 94022-45

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) Teaching Veter mary Las. 1echnologi

FACILITY LOCATIONS (Siles)

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesti experiments, research, or surgery but no yet used for supurposes.	experiments, or tests were conducted involving no pain, distress, or	D. Number of animals upon which experiments, feaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	conducted involving a to the animals and to anesthetic, analgesic, have adversely affect interpretation of the t experiments, surgery, the procedures produ	n, surgery or tests were accompanying pain or distress rewhich the use of appropriate or tranquilizing drugs would ed the procedures, results, or eaching, research, or tests. (An explanation of cing pain or distress in these ons such drugs were not used	F.  TOTAL NO.  OF ANIMALS  (COIS. C +  D + E)
4. Dogs	NONE		4	NA NA	NE SAI	4
5. Cats			4			4
6. Guinea Pigs			Ø:			φ
7. Hamsters			<b></b> Ø			ø
8. Rabbits			$\phi$	-		Ø
9. Non-human Primates			Ø		•	$\phi$
10. Sheep		3	Ø			3
11. Pigs			Ø -	`		φ
12. Other Farm Animals			•		•	Ø
Horses		12	P			2
13. Other Animals			Ø			φ
	1 1					<u> </u>

Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anestbedd, analgesic, and franquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures.

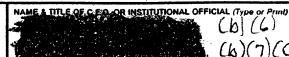
3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the 3). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and regulations and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the provision of adequate veterinary care and recoversee the adequacy of other aspects of a summary and the provision of adequate veterinary care and recoversee the adequacy of other aspects of

animal care and use.

#### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

NAMSA, Inc.

9 Morgan

Irvine, CA 92618

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) Same as above

FACILITY LOCATIONS (Sites)

same as above

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	Enessary or use APHIS FORM 7023A.)  E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	TOTAL NO. OF ANIMAL  (Cols. C - D + E)
4. Dogs	9			, , , , , , , , , , , , , , , , , , , ,	
5. Cats					
6. Guinea Pigs		5281			5281
7. Hamsters					
8. Rabbits		2125	353		2478
9. Non-human Primates			·		
10. Sheep					
11. Piqs					
12. Other Farm Animals					
13. Other Animals					
		,			

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

DATE SIGNED

EO. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

(215T CENTURY MEDICIDE, IUC)
CRITICAL GARE RESEARCH, INC,
10743 CIVIC CENTER DRIVE
BANCHO CUCAMONGA, CA 91730

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. sheets if necessary.)

FACILITY LOCATIONS (Siles) 10743 CENTER DRIVE RANCHO CUCAMONGA CA 91730

			(Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A.)	
A.  Animals Covered : By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (COIS. C + D + E)
4. Dogs	20	0	12		12 *
5. Cats	,				عکد
6. Guinea Pigs					0
7. Hamsters			`		0
8. Rabbits	5	0	24		24
9. Non-human Primates					0
10. Sheep				•	0
11. Pigs					0
12. Other Farm Animals					0
***************************************					
13. Other Animals		,			0
					."
			·		
ASSURANCE STATEMENTS				1171	

Professionally acceptable standards governing the care, treatment, and use of animals, including approriateluserol anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility. and following actual research, leaching, lesting, surgery, or experimentation were followed by this research facility

2). Each principal investigator has considered alternatives to painful procedures

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well is a first number of a limit attached.

4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

#### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. O	R INSTITUTIONAL OFFICIAL	
		The state of the state of
The street of the street		
· Committee of the comm	(h)(b)(7)	(1)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

**DATE SIGNED** 

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

1. REGISTRATION NO.

FORM APPROVED

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Q 3 - R - 0150 OMB NO. 0579-0036 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Code)

SOS CARE INC SOS CARE INC 15453 WOODS VALLEY RD VALLEY CENTER, CA 920,02

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

13

**FACILITY LOCATIONS (Siles)** 

REPORT OF ANIMALS USED BY OR		RESEARCH FACILITY	(Altach adidilional sheets if ne	cessary or use APHIS FORM 7023A.)	
The state of the s	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					٠
5. Cats					
6. Guinea Pigs					
7. Hamsters		,	,		
8. Rabbits			•		
9. Non-human Primates					
10. Sheep					
11. Pigs				·	
12. Other Farm Animals		2	<u> </u>		2
TIGRINA		7			ク
13. Other Animals		.10			10
GEOFFROYS		. 3			3
SAND CAT		10			10
BLACK FOOTED CAT		. 4			4
ASSURANCE STATEMENTS			:		<del>, , , , , , , , , , , , , , , , , , , </del>

1). Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and flumber of animals affected.

4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

# CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(b) (b)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

M 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1150

# 1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Zoological Society of San Diego P.O. Box 120551 San Diego, CA 92112-0551

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

SEE ATTACHED

FACILITY LOCATIONS (Siles)

San Diego Zoo

San Diego Wild Animal Park

A.  Animals Covered  By The Animal  Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs			,		
5. Cats		·			
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates		_101	3	_	104
10. Sheep					
11. Pigs					
12. Other Farm Animals					
·				•	
13. Other Animals	SEE ATTACH	D		SEE ATTACHED	
	·				

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetid, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is affached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL.

(Chief Executive Officer or Legally Responsible Institutional Official)
I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(b)(7)(c)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/27/97

APHIS FORM (AUG 91) Ber September 18-23 (OCT 88), which is obsolete.)

(b)(6), (b) (1) (c)

Giant Panda Red panda South African Cheetah White Rhinoceros	scientific name Ailuropoda melanoleuca Ailurus fulgen Acinonyx jubatus Ceratotherium simum	•0000	0 7 7 10 14 4 14 4 14 4 14 4 14 14 14 14 14 14 1		<b>0</b> 0000	
Indian Rhino	Rhinoceros unicornis	0	o O	0	0	

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See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

FORM APPROVED FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Code)

INTHENATIONAL CONTRE FORGIBBOOK

5 TUDIES 20 BOY 800249 SANTA CLIARITA LA 91380

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Siles)

19100 BGUEREH 2N

A	B. Number of	C Number of		cessury or use APHIS FORM 7023A)  E. Number of animals upon which teaching,	
Animals Covered By The Animal Wellare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs			· · · · · · · · · · · · · · · · · · ·	(6)(1)	· <del>· · · · · · · · · · · · · · · · · · </del>
7. Hamsters				र्हार्दि(८)	
8. Rabbits				Pertelephone W/	
9. Non-human Primates	33	33		0112,199-12	33
10. Sheep				,	
11. Pigs					
12. Other Farm Animals					
13. Other Animals					· · ·
					· · · · · · · · · · · · · · · · · · ·
			•		

#### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility. :
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In principal investigator and approved by the institutional Animal Care and Use Committee (IACCC). A summary of all south as the species and number of animals affected, addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to overse the blentiary of their aspects of animal care and use.

#### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL Type or Print)

DATE SIGNED

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

1. REGISTRATION NO.

FORM APPROVED KG

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Alpha Therapoutics Corporation

5555 2410 Lilly vale Ave Valley Blud,
LOS Angeles, Ca 90032

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Guality Control Laboratory 2450 Lillyvale Avi. Los Anixles 90032

A Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals, upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (COIS. C + D + E)
4. Dogs				4	·
5. Cats		·	· ·		
6. Guinea Pigs		1284			1284
7. Hamsters				3,	1201
8. Rabbits		4091			4091
9. Non-human Primates					<u></u>
10. Sheep					
11. Pigs					<del></del>
12. Other Farm Animals					,
13. Other Animals					
•					
				□ 2 0 2 1 00 2 <u></u>	
				ا ا ا ا ا ا ا ا ا ا ا	

1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, and sic, and research, teaching, testing, surgery, or experimentation were followed by this research facility:

2). Each principal investigator has considered alternatives to painful procedures.

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

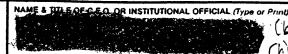
4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

# CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(b)(6) (b)(7)(0



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See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 55-19 =

FORM APPROVED OMB NO 0579-0036

756-93-R-0158 OMB NO 0579-0036 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

ANTIBODIES INC. P.O. Box 1560 DAVIS, CA 95617

**ANNUAL REPORT OF RESEARCH FACILITY** (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Sites)

25242 Rd. 95 Davis CA

REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	F RESEARCH FACILITY	f (Attach adulitional sheets if or	ecessary or use APHIS FORM 7023A.)	
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	J/A				
5. Cats	1/1				1
6. Guinea Pigs	N/1 -				
7. Hamsters	·	2			2
8. Rabbits	50	:	215		215
9. Non-human Primates	N/A -				
10. Sheep		2			2
11. Pigs	N/A				
12. Other Farm Animals					
COATS	2	27			27
13. Other Animals					
CHICKENS		6.			6
STEER					. /
ASSURANCE STATEMENTS					

Professionally acceptable standards governing the care, treatment, and following actual research, teaching, testing, surgery or experim	
and following actual research, teaching, testing, surgery, or experim	

2). Each principal investigator has considered alternatives to painful procedures.

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and use.

### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true,	correct, and complete (7)	J.S.C. Section 214

MOINTONE OF C.E.O. OR INSTITUTIONAL OFFICIAL		- (
Commence of the Commence of th	*	•
Control of the Contro		

(b) (c) b)(7)(C

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Prin

DATE SIGNED

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See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 93

FORM APPROVED

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Codel

Orthopaedic Hospital 2400 Flower St. Los Angeles, CA 90007

3. REPORTING FACILITY (LISI	all locations where animals were housed or used to subset	
sheets it necessary.)	t all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these -purposes.	Attach additional
• •		

FACILITY LOCATIONS (Siles)

3411C 413 A					
REPORT OF ANIMALS USED BY C	OR UNDER CONTROL O	F RESEARCH FACILIT	V (Attach military)	ounssury or use APHIS FORM (023A)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquitizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research,	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	-				Ö
5. Cats			·		C
6. Guinea Pigs					$\overline{C}$
7. Hamsters					0
8. Rabbits			79		79
9. Non-human Primates			·		· (
10. Sheep					<u> </u>
11. Pigs				<u>:</u>	C
12. Other Farm Animals	,			_	C
13. Other Animals					• v w v v
MICE			49	OT A FOIA DELETION	46
Rais			7	,	7
ASSURANCE STATEMENTS					

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic; and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility:
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequa animal care and use. veterinary care and to we see the adequacy of other aspects of

1101 01016	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)
b)(6), (b)(7)(C)	certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O.

Samo ac

OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA.

SeaWorld San Antonio

FORM APPROVED

OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Hubbs-Sea World Research Institute

include Zip Code) Hubbs-Sea World Research Institute 2595 Ingraham Street

San Diego, CA 92109

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these, purposes. Attach additional sheets if necessary.) FACILITY LOCATIONS (Siles)

outhern California CMurdo Sound, Anta REPORT OF ANIMALS USED BY O	rctica		(Attach adiditional sheets if ne	ecessary or use APHIS FORM 7023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	F.  TOTAL NO.  OF ANIMAL  (Cols. C +  D + E)
4. Dogs			,		
5. Cats					
6. Guinea Pigs					
7. Hamisters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
Largha seal	1				
Harbor seal			2		2
Elephant seal		3057	3	Company of the control of the contro	3660

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and followed by the received tacility and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(b)(b), (b)(7)(c)	(Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)			
CONTROL OF OF THE THEORY	OFFICIAL TO THE PROPERTY OF TH	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (6)		

INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

**APHIS FORM 7023** (Replaces VS FORM 18-23 (OCT 88), which is obsolete.) (AUG 91)

additional information.

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

93-R-0163

FORM APPROVED OMB NO. 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Hubbs-SeaWorld Research Institute 2595 Ingraham Street

2. HEADQUARTERS RESEARCH FACILITY (Name and Audress, as registered with USDA

San Diego, CA 92109

REPORT OF ANIMALS USED BY OF	B. Number of	C Number of		E. Number of animals upon which teaching.	
Animals Covered By The Animal Welfare Regulations  12. &OR 13. Other (List by species)	onimals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMAL (Cols. C D + E)
CA sea lion		6	1		7
Northern fur seal		10			10
/eddell seal		61			61
Monk seal		10			10
				,	
*					,

1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs? priorito during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures.

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this anniual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as The species and number of ammals affected.

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> CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

11

DATE SIGNED

APHIS FORM 7023A (AUG 91)

PART 1 - HEADQUARTERS

1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

#### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

The Burnham Institute 10901 North Torrey Pines Road La Jolla, California 92037

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these -purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

Same as #2 above,

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of aniinals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or fests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs			,		
5. Cats					
6. Guinea Pigs					
7. Hamsters	0				0
8. Rabbits	0	44			0
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
			·		
13. Other Animals					
	1			M B R R I V E IN	<del></del>

1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of animals, including approriate use of an establishment of the care, treatment, and use of animals, including approriate use of an establishment of the care, treatment, and use of animals, including approriate use of an establishment of the care, treatment, and use of animals, including approriate use of an establishment of the care, treatment, and use of animals, including approriate use of an establishment of the care, treatment, and use of animals, including approriate use of an establishment of the care, treatment, and use of animals, including approriate use of an establishment of the care, treatment, and use of animals, including approriate use of an establishment of the care, treatment, and use of animals, including approriate use of an establishment of the care, treatment of the care

2). Each principal investigator has considered alternatives to painful procedures.

3). This lacility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulation passpeculied and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is affached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and democratical animals affected.

4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

#### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF Ø



DATE SIGNED 11/23/99

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

1. REGISTRATION NO. 92-R-0176

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

American Walex 920 A Calle Negoelo Sau Clemente, CA 92673

<b>ANNUAL</b>	REPORT	OF F	RESEAR	CH F	ACIL	ITY
	(TYPE	E OR	PRINT)			

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

ALL ANIMACS COTRACTED WITH ALTBODIES INC 
DAVIS, CA

PORT OF ANIMALS USED BY OR LINDER CONTROL OF RESEARCH FACILITY (Allach admits found a photos forms

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Altach additional sheets if necessary or use APHIS FORM 7023A.)								
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)			
4. Dogs	1		Δ		Ø			
5. Cats		$\triangle$	H A A	1100	Ø			
6. Guinea Pigs			1710 11ºCA	tw of I	'Ø			
7. Hamsters				. (	Ø			
8. Rabbits	ľ Ž	-1,10	L. (CAC)	177	$\varnothing$			
9. Non-human Primates		10°C	(-110)		Ø			
10. Sheep					9			
11. Pigs					Ø			
12. Other Farm Animals					Ø			
13. Other Animals					8			
Suroi rumnas	L L	le DULY	HAVE MICER	a Ascires. '	<i>γ</i>			
ASSURANCE STATEMENTS								

1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of aniesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures.

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

APHIST STIMM (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

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ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO. 2. HEADQUARTERS RESEARCH FACILITY (Name and Address.

FORM APPROVED OMB NO 0579-0036

WILDLIFE WAYSTATION (b)(6)

17831 LITTLE TUTUNGA CYN RD. ANGELES NAT. FOREST, CA. 91342

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these, purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

SAME AS ABOVE

REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	(Altach adiditional sheets if ne	cessary or use APHIS FORM 7023A.)	
A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	O. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (COIs. C +  D + E)
4. Dogs	SEE ATT.	Ċ			
5. Cats	0				
6. Guinea Pigs	0	1			1
7. Hamsters	0				
8. Rabbits	-0-	12	,		12
9. Non-human Primates	SEEATT.	1	,		
10. Sheep	1		·		
11. Pigs	-e-		-		
12. Other Farm Animals	SEE ATT.	-			
				• · · · · · · · · · · · · · · · · · · ·	
13. Other Animals	SEE ATT.	Life C		DECE IN EC	ר:
				NOV 17 700	
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ASSURANCE STATEMENTS				-	+

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anesthetic, analgesic, and transpullity drugs, prior to, during, and following actual research teaching testing surrant or experimentation were followed by the research teaching testing surrant or experimentation were followed by the research teaching testing surrant or experimentation were followed by the research teaching testing surrant or experimentation were followed by the research teaching testing surrant or experimentation were followed by the research teaching testing testi and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

1. REGISTRATION NO.

93-R-0177 OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

WILDLIFE WAYSTATEON

### CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

REPORT OF ANIMALS USED BY	OR HADER CONTROL		ANGE	LES NAT. FOREST, CA. 913	14/2
REPORT OF ANIMALS USED BY	B. Number of	F RESEARCH FACILIT	the state of the s	ecessary or use this form )	<del>/</del>
Animals Covered By The Animal Welfare Regulations  12. &OR 13. Other (Ust by species)	animals being brid, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	aninals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-refleving drugs.	Number of animals upon which experiments, teaching, research, surjery, or tests were conducted involving accompanying pain or distress to the unimals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
3 ENTURONE		1		opon.	
COATE		1			
FERRET	lo	2			
KINKA JOU	lo				2_
OPOSSUM		2			
RACCOON		3			2_
WALLAROO	1				3
COYOTE	7	4			
GREY FOX	1	1	÷		4
RED FOX	8				
SILVER FOX	1				
HYBRID WOLF	5	6			,
WOLF	3	7			6
Vo. Am BLACK BEAR	10	2			7
EURO, BROWN BEAR	1				2
HIMALAYAN BEAR	1				
GRIZZLY BEAR	5			· · · · · · · · · · · · · · · · · · ·	
				- NEGETWEE	
	55	29			1:
ASSURANCE STATEMENTS				:2 L. NUV I / 200 III	
1). Professionally acceptable stand				10 El WA 1 / 1999   F	

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility. 1874, ATTES, AC
- 2). Each principal investigator has considered alternatives to painful procedures
- EASTERNO. CA 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

## CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)

I. REGISTRATION NO. 93-R-0177

FORM APPROVED OMB NO 0579-0036

# CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

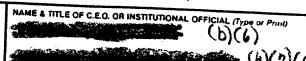
2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA WILDLIFE WAYSTATEON (6)(6) 14831 LITTLE TUJUNGA CVN. RD ANGELES NAT. FOREST, CA. 91342

REPORT OF ANIMALS USED BY	B. Number of	C Number of		LES NAT. FOREST, CA. 913	
Animals Covered By The Animal Wellare Regulations	animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or	aninals upon which leaching, research, experiments, or lests were conducted involving no	Number of animals upon which experiments, leaching, research, stirgery, or lests were conducted involving accompanying pain or distress to the animals.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research,	F TOTAL N OF ANIM
12. &/OR 13. Other (Ust by species)	surgery but not yet used for such purposes.	pain, distress, or use of pain- relieving drugs.	and for which appropriate anesthetic, analgesic, or framfulizing drugs were used.	experiments, surgery, or tests (An explanation of the procedures producing pain or distress in these enimals and the reasons such druys were not used must be attached to this report)	(Cols. C
BORCAT	6				<u> </u>
CARACAL :					
JAGUAR	3				
LEOPARD	9				
LIGER	.3				
LION . AFR.	60	, ,			
LION Mrn.	25	il			/
SERVAL CAT		7			4
OCELOT	1		,		1
TIGER	11	4			
LYNX					4
EER EXOTIC	4				
CAT NURZAN	3				
DAT PASMY	3				1
LIAMA	2		· · · · · · · · · · · · · · · · · · ·		
TE POT BELLY	6	<del>-3</del> +			5
PECCARY	2			E O E I M E E	
ZEBRA	7				
		<del>-,</del>	:   .	NOV 1.7 200	
EDSE HOS.		6	- Sec. 1	1107 17 1000	1.
	146	工口	1-	of anesthetic; analgesic, and tranquilizing drugs, prior to, lifty.	Lo

- and following actual research, leaching, lesting, surgery, or experimentation were followed by this research facility. ils, including approriate use of anesthetic; analgesic, and tranquilizing drugs, prior to, during,
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the Inis racinity is agreting to the standards and regulations under the ACI, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
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## CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	111111
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DATE SIGNED

PHIS FORM 7023A (AUG 91)

additional information.

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

FORM APPROVED OMB NO 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT. OF RESEARCH FACILITY (TYPE OR PRINT)

WILDLIFE WAYSTATEON

14831 LITTLE TUJUNGA CVN. RD ANGELES NAT. FOREST, CA. 91342

REPORT OF ANIMALS USED BY O	7-	THESEARCH FACILII	Y (Attach adiditional sheets if ne	LES NAT. FOREST, CA. 913	/
Animals Covered By The Animal Welfare Regulations  12. &/OR 13. Other (Ust by species)	8. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, resparch, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NOF ANIMA
BARBOON	8				
CAPUCHEN	4				,
CHIMPANZEE	48				
RAB- EATING MACADUE	_/_	2			
PEGTAIL !!					
KHESUS "	3	·			
Drumpta=L "					
SPIDER MONKEY	12				
SQUIRREL "	3		1		
ORANGUTAN	_/_				
				IN ET	
					<del>.</del>
					<u>; i                                     </u>
					<u>:</u>
				SACE WALL C	
SURANCE STATEMENTS	82	(-)		CA .	

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
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  principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In
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# CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Prop)

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO

FORM APPROVED OMB NO 0579-0036 N

2. HEADQUARTERS RESEARCH and Address, as registered with USDA include Zip Code)

Genentech, Inc.

1 DNA Way

South San Francisco, CA 94080

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these -purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

1475 Grandview Drive

390 Point San Bruno Blvd

South San Francisco, CA 94080

South San Francisco, CA 94080

REPORT OF ANIMALS USED BY (	B. Number of	C Number of		E. Number of animals upon which teaching.	T
Animals Covered By The Animal Wellare Regulations	animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMAL  (Cols. C D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs		68	143		211
7. Hamsters		6			6
8. Rabbits		224	606		830
9. Non-human Primates					
10. Sheep					
11. Pigs			137		137
12. Other Farm Animals			,		
13. Other Animals				•	
_	v v				
				D 8 0 5	
ASSURANCE STATEMENTS	L				·

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate useful anesthetic, analgesic, and tranquilizing drups, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

# CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official) Learnity that the above is true, correct, and complete (7 U.S.C. Section 2143)

DEFICIAL



DATE SIGNED

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(AUG 91)

See reverse side for additional information. -2115

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

(TYPE OR PRINT)

1. REGISTRATION NO. 2. HEADQUARTERS RESEA

FORM APPROVED OMB NO. 0579-0036 / 1

ICH FACILITY (Name and Address, as registered with USDA. include Zip Code) ELWARD LABS ANNUAL REPORT OF RESEARCH FACILITY

D . B. A EL- LABS

> 4003 Cherryvale Avenue Soquel, Calif. 95073

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)

EL-LABS 4003 Cherryvale Auc Soquel Calif 95073

GUAT FIELD LOCATED 3999 Cherryvale Ave Socret Ca 95073

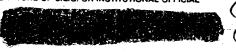
A.	OR UNDER CONTROL OF		f (Attach adiditional sheets if ne	cussary or use APHIS FORM 7023A.)	
Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	.0	0	0	0	0
6. Guinea Pigs	C	0	237	0	237
7. Hamsters	0	m.890	9.	<u> </u>	9
8. Rabbits	16	346	670	0	1,016
9. Non-human Primates					
10. Sheep	-0		0	C	0
11. Pigs	0			0	0
12. Other Farm Animals	<u>, ` -</u>				
13. Other Animals					
GOATS	0	78	0	0	28
ASSURANCE STATEMENTS					

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including appropriate use of aniethetic, analgesic, and tranquilizing drips prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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#### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

ficertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Pri

DATE SIGNED

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**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

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an company of a property of the second second MA-400-0310

This replier is continued by law (7 USC 2543). Harburg to report according to the resolutions can ting report in triguined by have to done a root or comment to report accommendation and residential design and design and to be published to beneating as provided for in Section 2:50

accidental internation

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

\* Animal numbers 10/1198 - 11/16/98 \*

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. SEGISTRATION NO. 199

FORM APPROVED OMB NO 0579-0036 Laris

Z. HEADQUARTERS RESEARCH FACILITY VITAME and Address, as registered with USDA. Berlidey Antibody Co - (BABCO) 1223 South 47th St RICLMOND, CA 94804-4609

1. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach arkitional sheers it necessary )

FACILITY LOCATIONS (Sees) BALCO (Betieley) SOO UNIVERSITY ALENCE. BABCOHO 1223 South 47th street 94804-4609 94710 3 Holder Spring BABCO Ranch REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Anisch indicational sheets it necessary of use APHIS FORM ?023A.) E. Number of animals upon which teaching, experiments, research, surgery or tests were B. Number of C. Number of D. Number of animals upon Dried sismus animats upor which gaperishens conducted involving accompanying pain or distress to the animals and for which the vise of appropriate bred which (eaching, reaching, research, Animals Covered TOTAL NO. conditioned, of research, By The Animal Wellare Regulations surgery, or tests were conducted involving anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS neld for use in experiments, or have adversely affected the procedures, results, or teaching, testing. to med pairwed pain of interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of experiments. conducted distress to the aminute (Cols C + E) research, or en garvlova: and for which appropriate the procedures producing pain or distress in these pain, distress, or surgery but not yet used for such anesthetic, analgesic, or animals and the reasons such drugs were not used use of paintranquilizing drugs were must be attached to this report). relieving drugs. used. A 4. Dogs 5. Cats 31 6. Guinea Pigs 7. Hamsiers 3. Rabbits 9. Non-human Primates 10. Sheeo 11, Pigs 12. Other Farm Animals

1) Protestionally acceptable stundards governing the care, freelinent, and irse of animals, including approxiate use of anesthetic, analysis, and tranquisiting drugs, prior to, during, and following actual research, teaching, testing, smyling, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to pointial procedures

13 Other Animals

ASSURANCE STATEMENTS

3) This facility is agreeming to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explaned by the institutional Ahmat Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report, in addition to identifying the IACUC-opproved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of annuals affected.

4) The attending vetermation for this research facility has appropriate authority to ensure the provision of adequals vetermary care and to oversee the adequacy of other aspects of

(Chief Executive	(HEADQUARTES RESEARCH FACILITY OFFICIAL  Officer or Legally Responsible Institutional Official)  1300ve is from, portent, and proposete (7 USC Section 2:43). (h)(6) (b)(7) (c)	
SIGNATURE OF CE O. OF INSTITUTIONAL OFFICIAL	AND SO COMESTABLICHAS OFFICIAL TIME OF PRINTS	DATE SIGNED
(AUG 91)  JAN   2000	1 1 LEAT	OUAPTERS

1. REGISTRATION NO. 93 RO199

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USCA include Zip Code)

#### CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	(Altech adultional sneets if ne	cossory or use this form.)	
A.  Animals Covered  By The Animal  Welfare Regulations  12. & OR 13. Other  (Ust by species)	B. Number of animals being bred, congitioned, or held for use in taxching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of amounts upon which reaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, to acting, research, surgery, or tests were conducted anyolving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were upod.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate animals and for which the use of appropriate animals and for tranquilizing grugs would have adversely affected the procedures, results, or interpretation of the feaching, research.	TOTAL NO. OF ANIMALS  (COIS. C + D + E)
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ASSURANCE STATEMENTS				š	

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of anisthetic, analysisc, and tranquilizing drugs, prior to, during, and following actual research, toaclung, testing, surgery, or experimentation were followed by this research tackity.
- 21. Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified Just explained by the principal investigator and approved by the institutional Animal Circ and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation or the acceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)		
Lography that the SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OPPICIAL (Type or Print)	DATE SIGNED
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APHIS FORM 7023A	MAN I ONOPARTS	ACCUARTERS

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

BioSurg, Inc 27956 State Hooy 128 Winters, Ca 95694

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Sites)

27956 State Hug 128, Winters. Ca 95694

A	B. Number of	C Number of		cessury or use APHIS FORM 7023A)	<del>                                      </del>
Animals Covered : By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO OF ANIMAI  (COIS. C D + E)
4. Dogs	-1		10		10
5. Cats					
6. Guinea Pigs					
7. Hamsters			1		
3. Rabbits		·	,	·	
Non-human Primates	6		•		
0. Sheep	·		80		80
1. Pigs			120		120
2. Other Farm Animals		,			
Bovine			18		18
3. Other Animals					
				[ ] 医 [ ] 图 [ ]	

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate useful an ethetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility -9.999
- 2) Each principal investigator has considered alternatives to painful procedures
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the standards and explained by the
- The attending vetermarian for this research facility has appropriate authority to ensure the provision of adequate vetermary care and to oversee the adequacy of other aspects of animal care and use.

(	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(b)(b) (b)(7)(c)	Learnity that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C'EO, OR INSTITUTIONAL

ME & JITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO 93 - R-0211

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

#### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

APHTON CORPORATION P.O. BOX 1049 WOODLAND, CA 95776

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

26 HARTER AVE., SUITE 14, WOODLAND, CA 95776

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO. OF ANIMAL:  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters			1		
8. Rabbits	6	53	, °		53
9. Non-human Primates				•	
10. Sheep			·		
11. Pigs					
12. Other Farm Animals					
13. Other Animals				*	

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions, is attached to this animal report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the authority has appropriate authority to ensure the provision of adequate veterinary care and to oversee the authority has appropriate authority to ensure the provision of adequate veterinary care and to oversee the authority has appropriate authority to ensure the provision of adequate veterinary care and to oversee the authority to ensure the provision of adequate veterinary care and to oversee the authority to ensure the provision of adequate veterinary care and to oversee the authority to ensure the provision of adequate veterinary care and to oversee the authority to ensure the provision of adequate veterinary care and to oversee the authority to ensure the provision of adequate veterinary care and to oversee the authority to ensure the provision of adequate veterinary care and to oversee the authority to ensure the autho

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL OCT (Chief Executive Officer or Legally Responsible Institutional Official)	28	1000

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATUR OF C.E.O. OR IN TIONAL OFFICIAL

(b)(6) (b)(m)(c) NAME & TITLE OF CEO, OR INSTITUTIONAL OFFICIAL (Type of Print)

DATE SIGNED

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10/23/99

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UNITED S ANIMAL A	AT O F	S DEPARTMENT OF A	AGRICULTURE CTION SERVICE	5	1. REGISTRATION		Laris	FORM APP OMB NO. 0	PROVED 579-0036
			1		2. HEADOUARTE	RS RESEARCH FA	CILITY (Name and Ad	idress. as registered	with USDA
			_		include Zip Co Chiro	on Corpo:	ration	,	
ANNUAL REP	<b>DR</b>	OF RESEAF	RCH FACILITY	•			•		
(	r	PE OR PRINT)			į	Horton :	:		
					Emery	ville,	CA 94608	-2916	
1. REPORTING FACILITY (List sheets if necessary.)	4.	cations where animals	were housed or used	in actual res	carch, lesling, lead	thing, or experimen	ration, or held for the	me purposes. Atta	cn additional
	十		FAI	CILITY LOCA	TIONS (Sites)				
	T						nird Stre	et	
<del></del>	<u> </u>	ļ			Emery	ville, (	CA 94608		
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REPORT OF ANIMALS USED B	OF	UNDER CONTROL O	F RESEARCH FACILITY	(Altsch ave	imonal sheets if ne	cessiny of use API	HIS FORM /023A)		
A	T	B. Number of animals being	C Number of animals upon		от эннизія пров		nimals upon which tea		F.
Animals Covered		bred, conditioned, or	which leaching, research.	resenin	xperiments, g, research,	conducted in	volving accompanying is and for which the u	g pain or distress	TOTAL NO.
By The Animal Wellare Regulations	'	held for use in leaching, testing,	experiments, or less were	conduc	or tests were led involving	anesthetic, a	nalgesic, or tranquilizely affected the process	nng drugs would	OF ANIMALS
		experiments, research, or	conducted involving no	distrest	ianying pain or to the animals which appropriate	avoniments	n of the teaching, rese surgery, or tests. (A)		(Cols. C +
		surgery but not yet used for such	pain, distress, or use of pain-	anesthe	tic, analgesic, or izing drugs were	animals and	es producing pem or the rossons such dru		D - E)
		purposes.	selieving drugs.	used.	· · · · · · · · · · · · · · · · · · ·	musi be altac	ched to this report.		
4. Dogs							<u>:</u>		
5. Cats							:		
6. Guinea Pigs	_		1349				Ė		1349
7. Hamsters			60		1		· :		60
8. Rabbits			207	46					253
9. Non-human Primates									
10. Sheep				·					
11. Pigs			48				<u> </u>		48
12. Other Farm Animals			-						
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42. Omas Asimala						41-17 H	No State V		
13. Other Animals						- , -		741 14	•
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ASSURANCE STATEMENTS	لنـــــا							•	
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and following actual res	Enci	r teaching toeting an	gery, or experimentall	on were lollo	wed by this resear	ch Incility.			
2). Each principal investigat		and the second s					:		
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adultion to identifying to  4 The attending vetermary		*				•	•		
4) The attending vetermant animal care and use.	n lo	r tors resource lacinly	THE STATE OF THE STATE OF	-7 -0 casure	provision of a			on don't or or	
		(Chief E:	TION BY HEAD recutive Officer	or Legally	Responsible	Institutional (	Official) ·		••
			etily that the above is	<del></del>					DATE SIGNED
SIGNATURE OF C.E.O. OR INS	my	TICHAL OFFICIAL	rr/(6)	HAME	THE OF CEO	OR INSTITUTIONA	COFFICIAL (TYPE OF	( C. )	11/17/04
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See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 93-R-0221

FORM APPROVED
OMB NO. 0579-0036

10/29/99

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

DUTAX' Resecuted Took bate

DNAX Research Institute 901 California Ave Palo Alto, CA 94304

3. REPORTING FACILITY (List all sheets if necessary)	locations v	where animal	Is were house	ed or used	) in actual resi	earch, testing, tea	ching,	or experiment	ation, or hel	ld for thes	e purposes. A	Itach ad	lditional
		-			ACILITY LOCA								
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REPORT OF ANIMALS USED BY C	OR UNDER	CONTROL O	)F RESEARCI	H FACILIT	Y (Altach adid	litional sheets if n	ecessa	ery or use APH	IS FORM 70:	23A.)	<u> </u>		<del></del>
A.  Animals Covered  By The Animal  Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.		C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.		D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,				OF	TOTAL NO F ANIMALS  Cols. C + D + E)	
4. Dogs		10	E	5		0		O				+	0
5. Cats	<u> </u>	<u> </u> '										+	Ť
6. Guinea Pigs	<u> </u>	<u>                                     </u>										+	+
7. Hamsters	'			1								+	1
8. Rabbits					•							+	+
9. Non-human Primates					·		1		1			+	1
10. Sheep							1		†			+-	<del>                                     </del>
11. Pigs							i	-	1			+	<del>                                     </del>
12. Other Farm Animals						2			,				
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ASSURANCE STATEMENTS								1101			=  ,		
<ol> <li>Professionally acceptable statement following actual research</li> <li>Each principal investigator had</li> <li>This facility is adhering to the principal investigator and appaddition to identifying the IAC</li> <li>The attending veterinarian for animal care and use.</li> </ol>	nas considere ne standards oproved by th CUC-approv	red alternativ s and regulati the institution oved exception	ves to painful tions under th onal Animal Ca ons, this summ	il procedure he Act, and Care and Us imary includ	res id it has requir Jse Committee ides a briel exp	red that exceptions e (IACUC). A summ splanation of the ex	s to the mary o	ne standarde ar of all such exi ons, as well as	NOV -	ns he spec	cutied and explaid to this annual ber of animalsia	funed by to all report	the t. in
	CER	RTIFICA'	TION BY	HEAD	QUARTES	S RESEARCH Responsible L and complete (7 US	H FA	CILITY Of	FFICIAL				
SIGNATURE OF C.E.O. OR INSTITUT	TIONAL OFF		(6)			TITLE OF C.E.O. O			FFICIAL (Ty	pe or Prin	0	DATE	SIGNED

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- USDA		rove	nded for in Section 2150.  1. REGISTRATIO	ON NO O O O O O O O O O O O O O O O O O	
かったい	you ha	re		73-K-0226 FORM AP OMB NO.	0579-0036 M
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any gur please at (858)	call m	1 <b>TY</b>	202 S	A Neuvosciences, In Coast Rlud. So., Ste	-200
at (000)	432-30 X 25	57	Last	Coast Blud. So., Ste Ella, CA 92037	, 500
Tha	nt you	- I			
3		ised	b)(6), (b)(r	oching, or experimentation, or held for these purposes. Att.	ach additional
505 Coast Bl	12 So . 2		ACILITY LOCATIONS (Sites)	· / C /	
La Tolla, C	A 9203				
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REPORT OF ANIMALS USED BY OF		F RESEARCH FACILITY	l Y iAttach adiditional sheets if no	ecessary or use APHIS FORM (023A)	
Animals Covered .	B. Number of animals being bred,	C Number of animals upon which leaching	D. Number of animals upon which experiments,	Number of animals upon which teaching, experiments, research, surgery or tests were	F.
By The Animal Wellare Regulations	conditioned, or held for use in	which leaching, research, experiments, or	teaching, research, surgery, or tests were	conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would	TOTAL NO
	teaching, testing, experiments, research, or	tests were conducted	conducted involving accompanying pain or distress to the animals	have adversely affected the procedures, results, or interpretation of the teaching, research,	OF ANIMALS
	surgery but not yet used for such	involving no pain, distress, or use of pain-	and for which appropriate anesthetic, analgesic, or tranquilizing drugs were	the procedures producing pain or distress in these animals and the reasons such drugs were not used	(Cols. C + D + E)
	purposes.	relieving drugs.	used.	must be attached to this report).	-
4. Dogs					
5. Cats					
6. Guinea Pigs	U	0	278	0	278
7. Hamsters			,		
8. Rabbits					
Non-human Primates     Sheep					
11. Pigs					<del> </del>
12. Other Farm Animals					
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ASSURANCE STATEMENTS					<u> </u>
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<ul><li>2). Each principal investigator ha</li><li>3) This facility is adhering to the</li></ul>	standards and regulati	tions under the Act. no	nd it has required that eventure	CCT 2 SCG	
				imary of all such exceptions is attached to this annual exceptions, as well as the species and number of animals all	
				dequate vetermary eard and to oversee the adequacy of oth	
	CERTIFICA	TION BY HEAD	QUARTES RESEARC	H FACILITY OFFICIAL	
	(Chief Exc	ecutive Officer of	or Legally Responsible I true, correct, and complete (7 U	Institutional Official)	
SIGNATURE OF C.E.O. OR INSTITUT	IONAL OFFICIAL (	2)(6)	NAME & TITLE OF C.E.O.	OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
A SAME OF SAME OF SAME	Territory of Longity	(D)/ 1/C	·/	(6)(6)	11

1. REGISTRATION NO. 93-R-0228

10/30 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

FORM APPROVED OMB NO. 0579-0036

### **ANNUAL REPORT OF RESEARCH FACILITY** (TYPE OR PRINT)

include Zip Codel Research & Diagnostic Antibodies

P.O. Box 8300 Berkeley, CA 94707

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) **FACILITY LOCATIONS (Sites)** 

	OR UNDER CONTROL OF	F RESEARCH FACILITY	l (Attach adiditional sheets if ne	Cessury or use APHIS FORM 7023A)	
A. Animals Covered : By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cois. C + D + E)
4. Dogs					·
5. Cats			·		:
6. Guinea Pigs					
7. Hamsters			,		
8. Rabbits		,		·	0
9. Non-human Primates					- M
10. Sheep					
11. Pigs					
12. Other Farm Animals				_	
13. Other Animals					
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ASSURANCE STATEMENTS					

1). Professionally acceptable standards governing the care, Veatment, and use of animals, including apploriate use of animals including apploriate use of animals are described and tranquitizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures.

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O.

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type, or

DATE SIGNED

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 93-R-0229

FORM APPROVED
OMB NO. 0579-0036

HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

XOMA (US) LLC 2310 Seventh Street Berkeley, CA 94710

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

2910 Seventh Street, Berkeley, CA 94710

A. Animals Covered : By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	Enumber of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	,		į.	, , , , , , , , , , , , , , , , , , ,	
8. Rabbits	0	. 0	. 0	0	0
9. Non-human Primates					
10. Sheep					
11. Pigs				-	
12. Other Farm Animals			-		
13. Other Animals					
					<del></del>
	·				
				7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	

1) Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and franquilizing drugs prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures

This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

Learnly that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(b)(7)(c)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

9/30/99

APHIS FORM 7025 Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(AUG 91)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 93-R-0232

FORM APPROVED CO

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

## ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

SAN JOAQUIN VALLEY COLLEGE, INC. 8400 W. MINERAL KING VISALIA, CA 93291

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

SAN JOAQUIN VALLEY COLLEGE, INC.

295 E. SIERRA

FRESNO, CA. 93710

Animals Covered . By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs		0	10	_	10
5. Cats		0	15	0	15
6. Guinea Pigs	0	0	2	0	7
7. Hamsters	0	0	0 1	0	0
8. Rabbits	0	0	1	0	1
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals	0	0	2	0	0
(Iguana, Pige					
			F		

1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of specific and transpillizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards material watering to the standards and explained by the principal investigator and approved by the Institutional Animal Cure and Use Committee (IACUC). A summary of all studies at the species and number of animals affected addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

GERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

<sup>1</sup> (6)(6)

(b)(7)(c)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

0/28/98

8-23 (OCT 88), which is obsolete).

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

113!

1. REGISTRATION NO.

93-R-0237

FORM APPROVED 13/15 OMB NO. 0579-0036 MS

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Scios Inc. 2450 Bayshore Parkway Mountain View, CA 94043

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Sites)

2450 Bayshore Parkway-Mtn. View, CA 94043

A. Animals Covered By The Animal Wellare Regulations	Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, anelgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
lamsters					
8. Rabbits			177		177
9. Non-human Primates				*	
10. Sheep					
11. Pigs					
12. Other Farm Animals				,	
13. Other Animals					
				NOV 2 2 1999	·
ASSURANCE STATEMENTS				USDA SOUTE DE S	

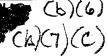
- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgasic, and franquillizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

DATE SIGNED

SIGNATURE OF C.E.O. OR M



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

1. REGISTRATION NO

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA clude Zip Code)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	F RESEARCH FACILITY	f (Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A.)	
A.  Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	7	7	17	0	74
5. Cats	'4	4	27	8	3
6. Guinea Pigs	2	2	<del>-6-</del>	ě	2
7. Hamsters	2	ス	0	0	2
8. Rabbits	a	ス	0	<del>O</del>	à
9. Non-human Primates	0	0	. 0	Ò	0
10. Sheep	40	30	10	0	40
11. Pigs	0	$\Theta$	0	0	A
12. Other Farm Animals					
Horses	<u>a</u>	2	0	$\Theta$	ス
13. Other Animals					
Mice	30	26	4	$\Theta$	30
Rato		·	0	Q : 30 E F	
		,		TO E G E I U E	
ASSURANCE STATEMENTS				1: 11:	

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility. drugs, prior to, during,
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this emmost report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the specified and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

HUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

IS FORM 7023 V5 FORM 18-23 (OCT 88), which is obsolete.) (AUG 91)

PART 1 - HEADQUARTERS

FORM APPROVED OMB NO 0579-0036 // /Y

TANABE RESEARCH LABORATORIES 4540 TOWNE CENTRE COURT SAN DIEGO, CA 92121

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

A	B. Number of	C Number of		ecessary or use APHIS FORM 7023A.)	
Animals Covered By The Animal : Welfare Regulations	animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	TOTAL NO OF ANIMAL (Cols: C D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters			\		
8. Rabbits		3		,	8
9. Non-human Primates					
10. Sheep			····		
11. Pigs					
12. Other Farm Animals			-		
13. Other Animals					
•					

### 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic; apalgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful precedures.

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

(b)(6)

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

PART 1 - HEADQUARTERS

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

112/11.RE

1. REGISTRATION NO. 93-12-0252

FORM APPROVED WO

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zin Code)

5YVA COMPANY P.O. BOX 49013 SAN VOSE CA 95161-9013

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

SYVA RANCH 821 LIMEKILN RD. HOLLISTER, CA 95023

<u> </u>			' (Attach adiditional sheets if ne	cessury or use APHIS FORM 7023A.)	
A. : Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs		*.			
5. Cats					
6. Guinea Pigs			1		
7. Hamsters		v			
8. Rabbits			285		285
9. Non-human Primates					
10. Sheep	110		146		146
11. Pigs				-	
12. Other Farm Animals					
13. Other Animals				日本等等更多的 <b>是</b> []]	
				100 - 5 888 FT	
				,	
ASSURANCE STATEMENTS				USDAL ART LINE (2)	

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility:
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

DATE SIGNED

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(A)(7)(c)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

10-25-99

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

/A110 011

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1. REGISTRATION NO.
93-R-0254

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Peninsula Lab INC 601 Taylor Way San Carlos , CA 94070

<ol><li>REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimen sheets if necessary.)</li></ol>	tation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)
Units 10 & 11

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach admittional sheets if necessary or use APHIS FORM 7023A.) B. Number of C. Number of E. Number of animals upon which teaching, D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments, Animals Covered ; which leaching, bred. conducted involving accompanying pain or distress teaching, research, conditioned, or By The Animal to the animals and for which the use of appropriate research, surgery, or tests were TOTAL NO. Welfare Regulations held for use in anesthetic, analgesic, or tranquilizing drugs would experiments, or conducted involving OF ANIMALS teaching, testing, have adversely affected the procedures, results, or tests were accompanying pain or interpretation of the teaching, research, experiments, conducted distress to the animals research, or experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these involving no and for which appropriate (Cols. C + D + E) surgery but not yet used for such pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used use of paintranquilizing drugs were purposes. relieving drugs. must be attached to this report). used. Dogs Cats Guinea Pigs Hamsters 17 17 14 Rabbits 8. Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals : **ASSURANCE STATEMENTS** 

### SSURANCE STATEMENTS

620 Taylor Way

CA 94070

San Carlos ,

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions id the standards and regulations and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions exceptions exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well-attached to this annual report.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

## CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

DATE SIGNED

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

SIGNATURE OF C. F.O., OR INSTITUTIONAL OFFICIAL

(b)(7)(c)

CATCO COSCO

9-21-99

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

93-R-0255 Lis OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA.

SITE VISION Inc. Alaurda CA 96501

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)	INS 965
· · · · · · · · · · · · · · · · · · ·	

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary) sheets if necessary.) CA EKSOI

**FACILITY LOCATIONS (Sites)** 

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					(6) (6)
5. Cats			,		(6)(7)(
6. Guinea Pigs				for telephone "	1/ 1/20
7. Hamsters			٨	Par Telephone 4	+03
8. Rabbits	. 14	2 <b>6</b>	54	(6)(6)	) <del>(20</del>
9. Non-human Primates				(b) (7)(c)	12
10. Sheep					
11. Piqs					
12. Other Farm Animals					
13. Other Animals					
			-		
					i
ASSURANCE STATEMENTS				H 4 1	<b>•</b> .,

 Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility. prior to, during,

2). Each principal investigator has considered alternatives to painful procedures

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions as well as the

4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

## CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

DATE SIGNED

APRIS FORM 7023 (AUG 91)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

510-865-88 P

(6)(6), (6)(7) CPART 1 - HEADQUARTERS

Interagency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1125

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

Josman, LLC 5230 Silverado Trail Napa, CA 94558

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

5230 Silverado Trail

Napa, CA 94558

		(Altach adiditional sheets if ne	المنازي والمنازي والمناز والمن	<del></del>
B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMAL  (COIS. C + D + E)
3		1		
. 0	0	693	0	693
0	0	11	0	11
0	0	28	0	28
	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.  C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.  C. Number of animals upon which teaching, research, research, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.  D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used  D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	animals being bred, conditioned, or held for use in leaching, testing, experiments, or surgery but not yet used for such purposes.  Animals upon which experiments, research, experiments, research, experiments, or surgery but not yet used for such purposes.  Animals upon which experiments, research, experiments, research, experiments, research, experiments, research, experiments, research, experiments, or surgery but not yet used for such purposes.  Animals upon which experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs were used of distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs were used of distress to the animals and for which the use of appropriate anesthetic, analgesic, or interpretation of the leaching, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or interpretation of the leaching, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or interpretation of the leaching, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or interpretation of the leaching, research, surgery or tests. Were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or interpretation of the leaching, research, surgery or tests. Were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or interpretation of the leaching, research, surgery or tests. Were conducted involving accompanying pain or distress to the animals and for which pain animals and for which appropriate animals and for

## 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures.

- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual reports in addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

## CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

ner Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE CHITUTIONAL OFFICIAL (6) (6)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

Interagency Report Control No 1 --- 0190-COA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1121

1. REGISTRATION NO.

93-R-263

FORM APPROVED

CMB NO. 0579-0036 M

### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Scantibodies Laboratory, Inc. 9336 Abraham Way Santee, CA 92071

2 DEDODTING EACH ITY	Il set all logations where council and house do not		
3. REPORTING PACIENT	(List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these pu		Attach additional
sheets if necessary.)	5. The second of these pu	11 0103E3.	ATTOCK BUSINESS
sincers in incoessoring	t en la companya de		

### FACILITY LOCATIONS (Siles)

2365-B San Vicente Ramona, CA 92065

bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS (Cols. C + D + E)
		·		
		*		
45	108	· 0.	0 ,	108
5	12	0	0	12
		•		
0	426	0	0	426
				720
0	1	0	0	1
	teaching, testing, experiments, research, or surgery but not yet used for such purposes.	teaching, testing, experiments, research, or surgery but not yet used for such purposes.  108  108  108	teaching, testing, experiments, or tests were conducted involving accompanying pain or distress, or use of pain-relieving drugs.  45 108 0	research, or surgery but not yet used for such purposes.  At 5 108 0 0 0 anesthetic, analgesic, or tranquilizing drugs would involving no pain, distress, or use of pain-relieving drugs.  At 5 108 0 0 0

- Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anesthetic apalgesic, and tranquilizing drugs prior to during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of anunals affected.
- addition to identifying the IACUC-approved exceptions, this summary includes a uniter explanation of the acceptance, and the IACUC approved exceptions, this summary includes a uniter explanation of the acceptance, and the IACUC approved exceptions, this summary includes a uniter explanation of the acceptance, and the IACUC approved exceptions, this summary includes a uniter explanation of the acceptance, and the IACUC approved exceptions, this summary includes a uniter explanation of the acceptance, and the IACUC approved exceptions, this summary includes a uniter explanation of the acceptance, and the IACUC approved exceptions, this summary includes a uniter explanation of the acceptance, and the IACUC approved exceptions, this summary includes a uniter explanation of the acceptance, and the IACUC approved exceptions, this summary includes a uniter explanation of the acceptance, and the IACUC approved exceptions, this summary includes a uniter explanation of the IACUC approved exceptions, the IACUC approved exceptions are also acceptance, and the IACUC approved exceptions are also acceptance and the IACUC approved exceptions are also accep

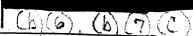
CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)

DATE SIGNED

19Nov. 9!



1. REGISTRATION NO. 2. HEADQUARTERS RESEARCH FACILITY FORM APPROVED OMB NO 0579-0036

Vame and Address, as registered with USDA

### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Codel

FACILITY LOCATIONS (Siles)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these -purposes. Attach additional

West Berkeley Facility

sheets if necessary.)

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMAL:  (Cols. C +  D + E)
4. Dogs					
5. Cats				,	
6. Guinea Pigs					
7. Hamsters	0	0	418	0	418
8. Rabbits				,	
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals		_			
13. Other Animals				•	
				TO E CE INE	lin.

- Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this animal report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/23/99

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO. 1119 93-R-0265

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

Diagnostic Products Corporation 5700 W 96th St. Los Angeles, CA 90045

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

45764 N. COOLD NIE. GOMMANA

A.  Animals Covered: By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	Miniper of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of amimals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	0	·			
5. Cats	0	·		·	
6. Guinea Pigs	6				
7. Hamsters	0	,			
8. Rabbits	18	2.74	0	0	274
9. Non-human Primates	0				
10. Sheep		3	0	ى ك	3
11. Pigs	С				
12. Other Farm Animals	0 .			2	
Goats	35	ちそ	0	. 6	57
13. Other Animals					
Burros	5	. 2	0	0	2
	·		•		•
ASSURANCE STATEMENTS					, •

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analysis, and transpilizing drugs, prior, to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected:
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 1110

FORM APPROVED

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

Baxter Hyland Immuno 550 N. Brand Bl

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these, purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites)

90039

A	B. Number of			cessary or use APHIS FORM 7023A.)	_
Animals Covered ; By The Animal Welfare Regulations	b. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs	121	2356	NΑ	NA	<i>4</i> 356
7. Hamsters			\	,	,
8. Rabbits	173	2486	MA	NΑ	2486
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals	•.				
13. Other Animals	·				
MICE NA ipotalia					
ifetta 19	विविच		· · · · · · · · · · · · · · · · · · ·	•	
					N
ASSURANCE STATEMENTS				1177	( 1 )

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of ane truas, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility

2) Each principal investigator has considered alternatives to painful procedures

This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations by explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the specific and number of animals attached.

The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use.

(b)(6)	Chief Exe	FION BY HEADQUARTES RES ecutive Officer or Legally Respond that the above is true, correct, and com	EARCH FACILITY OFFICIAL nsible Institutional Official) plete (7 USC Section 2143).	
SIGNATURE OF C.E.O. OR IN	STITUTIONAL OFFICE	NAME & TITLE OF	S.C.S.O. ORANSTITUTIONAL OFFICIAN (Type or Print)	DATE SIGNED OCT 19
APHIS FORM 7023 (AUG 91)	(Replaces VS FORM 18-23	3 (OCT 88), which is obsolete )	)(6), (b)(7)(c)	

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO -0269

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Biomerica, Inc. 1533 Monrovia Avenue Newport Beach, CA 92663

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

			(6)(6)	(b)(7)(C)	
REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	F RESEARCH FACILITY	/ (Allach aduditional sheets if on	cessary or use APHIS FORM 7023A.)	
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats	,			•	
6. Guinea Pigs				·	
7. Hamsters		,	\		
8. Rabbits	NONE	NONE			NONE
9. Non-human Primates			,		
10. Sheep / goat	NONE	NONE			NONE
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
· · · · · · · · · · · · · · · · · · ·				្រាន្ធនាស្ត្រី:0C	20.00
ASSURANCE STATEMENTS					( 4 10)
Professionally acceptable sta and following actual researc     Each principal investigator h	n, reaching, rearing, sor	rgery, or experimental	on were innowed by this resear		HIS. REAC. AC MENTO. CA

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards may equipped and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such probabilities appeared to this animal report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the probabilities of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

10/12/99

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

1. REGISTRATION NO

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Biomerica, Inc. 1533 Monrovia Avenue Newport Beach, CA 92663

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary )

FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach admittional sheets if necessary or use APHIS FORM 7023A) Number of animals upon which teaching, B. Number of C Number of D. Number of animals upon experiments, research, surgery or tests were anunais being animals upon which experiments. conducted involving accompanying pain or distress bred. **Animals Covered** which leaching, leaching, research. conditioned, or to the animals and for which the use of appropriate By The Animal research, TOTAL NO surgery, or tests were anesthetic, analgesic, or tranquilizing drugs would experiments, or Welfare Regulations held for use in OF ANIMALS conducted involving have adversely affected the procedures, results, or teaching, testing, tests were accompanying pain or experiments. interpretation of the teaching, research, conducted distress to the animals experiments, surgery, or tests. (An explanation of involving no (Cols. C + D + E) research, or and for which appropriate surgery but not the procedures producing pain or distress in these pain, distress, or anesthetic, analgesic, or yet used for such use of painanimals and the reasons such drugs were not used tranquilizing drugs were must be attached to this report). ourooses. relieving drugs. used. Dogs Cats Guinea Pigs Hamisters NONE NONE NONE 8. Rabbits Non-human Primates 9. NONE NONE NONE 10. Sheep / goat 11. Pigs 12. Other Farm Animals Other Animals W 17 11475 141 **ASSURANCE STATEMENTS** 

and tranquilizing drugs prior to, during, Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use if and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility OCT 15 1999 į

2) Each principal investigator has considered alternatives to painful procedures

principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such tracking approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such tracking approved exceptions, this summary includes a brief explanation of the exceptions, as well as SIAC processing in interest of animals affected.

The attending veterinarian for this research fronths by 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)
households of the absence from correct, and computate (7.11.5.C. Continue 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) DATE SIGNED

10/12/99

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

1122

1. REGISTRATION NO. 93 - R-0272

FORM APPROVED OMB NO. 0579-0036

DATE SIGNED

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Heart Institute Research Facility

Heart Institute Research Facility Good Samaritan Hospital 1225 Wilshire Boulevard Los Angeles, CA 90017

				L		
3. RE	PORTING FACILITY (List all I eets if necessary)	locations where animals	s were housed or used	in actual research, testing, teac	thing, or experimentation, or held for these purposes. Attain	ch additional
			FAG	CILITY LOCATIONS (Siles)	Ł	
Hea	art Institute R	esearch Fac	ility			
	od Samaritan Ho					
	25 Wilshire Bou					
عصل	Angeles, CA	90017				
	RT OF ANIMALS USED BY O		F RESEARCH FACILITY	(Altach adiditional sheets if ne	ecessary or use APHIS FORM 702(IA.)	
A.	Animals Covered : By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explahation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. [	Dogs	11		45		45
5. (	Cats					
6. (	Guinea Pigs	,				
7. l	Hainsters	3,				,
8. F	Rabbits	8		248		248
9. 1	Non-human Primates					
10.	Sheep					
11.	Pigs					
12.	Other Farm Animals					
13.	Other Animals					
	RANCE STATEMENTS				11以 11日 11日 11日 11日 11日 11日 11日 11日 11日	
1)	Professionally acceptable sta and following actual research	andards governing the h, teaching, testing, sui	care, treatment, and us rgery, or experimentati	se of animals, including approno on were followed by this resear	ate use of diesthetic, analogsic, and transparing driges, per hacility.	ior to, during,
	Each principal investigator h					1
3)	principal investigator and ap	proved by the Institution	onal Anonal Care and L	Jse Committee (IACUC). A sur	is to the standards <mark>and regulations De Specified a</mark> nd explain imary of all such exceptions is a factice of this annual exceptions, as well as the species and without or utilinals at	freport. In
4)	The attending vetermarian for this research facility has appropriate authority to ensure the provision of adequate vetermary care and to oversee the adequacy of other aspects of animal care and use.					

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolute )

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(b)(c) (b)(7)(c)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1120

1. REGISTRATION NO. 9 2- 18

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

The Immune Response Curporation 5935 Darwin Court
Carlobad, CA 92008

Lins

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Darwin

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these -purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adultional sheets if necessary or use APHIS FORM 7023A) B. Number of Number of animals upon which feaching, D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments. Animals Covered bred, which teaching, conducted involving accompanying pain or distress teaching, research. conditioned or By The Animal research, to the animals and for which the use of appropriate surgery, or tests were TOTAL NO held for use in Welfare Regulations experiments, or anesthetic, analgesic, or tranquilizing drugs would conducted involving OF ANIMALS teaching, testing, have adversely affected the procedures, results, or tests were accompanying pain or experiments. conducted interpretation of the teaching, research, distress to the animals research, or experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these on pnivlovni (Cols. C + D + E) and for which appropriate surgery but not pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were purposes. relieving drugs. must be attached to this report). used. Dogs Cats Guinea Pigs Hamsters 8. Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals 11071 **ASSURANCE STATEMENTS** 

SURANCE STATEMENTS

1) Professionally acceptable standards governing the care, freatment, and use of animals, including approviate use of anestheric, analgesic, and franquilizing drugs; prior to, during, and following actual research, feaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is affached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and manber of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)
I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNA	URE	OF	C.E.O.	ORI	NSTI	TUTI	ONAL	OFF	CIA
		_							

(b)(7)(c)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11-8-99

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

metabasis Therapeutics, Inc. 9390 Towne Centre Drive San Diego, CA 92121-3015

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

**FACILITY LOCATIONS (Siles)** 

9390 Towne Centre Drive

sheets if necessary.)

San Diego, CA 92121-3015

A.	B. Number of	C Number of	0	E. Muunhas al anymale usaa whigh teachin -	
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain- relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMAL  (Cols. C + D + E)
4. Dogs	·	·			
5. Cats					
6. Guinea Pigs			114		114
7. Hamsters			`		
8. Rabbits	4		49	Portelephone W	49 53
9. Non-human Primates				2807199	ems
10. Sheep				(b) (b) (7)(c)	
11. Pigs					
12. Other Farm Animals	·· <del>·····</del>				
13. Other Animals					
	***************************************				

- Professionally acceptable standards governing the care, freatment, and use of animals, including approviate use offaresthetic, analysis, and tranquitizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility OCT | 2 1999
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This lacility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all sight exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as were accounted to animals affected.

  The attachment extension for this research facility has appropriate authority to ensure the provision of adequate veterinary coal and for published the adequacy of other aspects of
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary coverand for anunal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91)

Replaces VS FORM 18-23 (OCT 88), which is obsolete)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO. -R-0280

FORM APPROVED OMB NO. 0579-0036 / 5

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

Elan Pharmacenticalo, Inc. Bog antenny Blud. Francisco (A 94080

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

Russylch Animal Facility 800 Gateway BlidsF.CA

L			f (Altach adiditional sheets if n	ecessary or use APHIS FORM 7023A.)	
Aniinals Covered By The Animal Welfare Regulations	8. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs				Pertaleohone W	
5. Cats					
6. Guinea Pigs		Z+40		- 1 Dec 99	2140
7. Hamsters	_	<u>'Z</u>		(b)(b) — - (s)	2-
8. Rabbits			•	(b)(7)(c)	
9. Non-human Primates					
10. Sheeρ					
11. Pigs					
12. Other Farm Animals		<u> </u>		,	-
13. Other Animals	<del></del>				
		·		IN ESEIVE	
ASSURANCE STATEMENTS				11-51 11111.	

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of animals, and animals, including appropriate use of animals, and animals, and animals, and animals, and animals, and animals, animals, and animals, animals, and animals, and animals, and animals, animals, and animal a guilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research fac-
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulational Act and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

FFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces vs ronm

88), which is obsolete)

1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

## ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

(11)

FACILITY LOCATIONS (Siles)

(b)(c), (b)(7)(c)

REPORT OF ANIMALS USED BY OF	UNDER CONTROL OF	RESEARCH FACILITY	f (Altach adiditional sheets if ne	cessury or use APHIS FORM 7023A.)	
A.  Animals Covered  By The Animal  Wellare Regulal	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or fests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	NONE-				
5. Cats	NONE -				
6. Guinea Pigs	NONE -			(b)(c) (b)(7)(c)	
7. Hamsters	NONE -	pertel	echane w/	. 3 Jan	00
8. Rabbits	42,000 E	1500	`~ ~€	NME	1500
9. Non-human Primates	NME-				
10. Sheep	6	3	NNE	~ one	3
11. Pigs	NOVE -				
12. Other Farm Animals	,			, , ,	
G-0775	# 7	23	NONE	NONE	23
13. Other Animals				•	
CHICKENS	5	24	NNE	~o~e	24
•		·			
ASSURANCE STATEMENTS				1111-2033631111	

Professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of animals, including approvate use of animals including approvate use of animals, including approvate use of animals including approvate use of anima

2). Each principal investigator has considered alternatives to painful procedures

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions, is statiched to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

## CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Figertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DE OF G.S.O. ON INSTITUTION

SIGNATURE OF C.E.O. OR INSTITUTION

(4) (6)

(6)(7)(C)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

11-20-99

DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )

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Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

(, )

1. REGISTRATION NO.
92-P-M284

FORM APPROVED COMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Alliana Pharmaceutical Corp. 3040 Science Park Rd. San Diego, CA 92121

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** Otisville, NY San Diego, CA REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Altach adiditional sheets if necessary or use APHIS FORM 7023A.) B. Number of C Number of Number of animals upon which teaching, Number of animals upon animals being experiments, research, surgery or tests were which experiments, which leaching, **Animals Covered** bred, conducted involving accompanying pain or distress teaching, research, surgery, or tests were By The Animal conditioned, or to the animals and for which the use of appropriate research. TOTAL NO. Welfare Regulations held for use in anesthetic, analgesic, or tranquilizing drugs would experiments, or conducted involving OF ANIMALS teaching, testing, tests were have adversely affected the procedures, results, or accompanying pain or experiments, interpretation of the teaching, research, conducted distress to the animals research, or experiments, surgery, or tests. (An explanation of involving no (Cols. C + D + E) and for which appropriate surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were purposes. relieving drugs. must be attached to this report). used. Dogs ĺζ iÒ Cats Guinea Pigs Hamsters 185 185 Rabbits Non-human Primates 10. Sheep 40 40 Pigs Other Farm Animals 12. 13. Other Animals **ASSURANCE STATEMENTS** 15 [0] II A i 15 ü U 15 Int Professionally acceptable standards governing the care, treatment, and use of animals, including approriatelyse \$\frac{1}{2}\$ esthetic, analgesic, and tranquilizing drugs, prior to, düring, and following actual research, teaching, testing, surgery, or experimentation were followed by this research 21 2). Each principal investigator has considered alternatives to painful procedures This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such as a stacked to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, all obligations per Explorations and regulations be specified and explained by the principal investigator and approved exceptions, this summary includes a brief explanation of the exceptions, all obligations per Explorations and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all supplies the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all supplies the standards and regulations be specified and explained by the Institutional Animal Care and Use Committee (IACUC). 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to every animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(b)(c) (b)(7)(c) NAME & TITLE OF C.E.O. OR INSTITUTIONAL DEFICIAL (Type of Crist)

DATE SIGNED

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APHIS FORM 702 (AUG 91)

(Repla S FORM 18-23 (OCT 88), which is obsolete)

1. REGISTRATION NO. 93-R-0289

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

La Jolla Institute for Experimental Medicine 505 Coast Blvd. South

La Jolla, CA 92037

3. REPORTING FACILITY	(List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these -purpos	ses. Attach additional
sheets if necessary.)	,	

include Zip Code)

**FACILITY LOCATIONS (Siles)** 

505 Coast Blvd. South La Jolla, CA 92037

Animals Covered : By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research; experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs			٠		
5. Cats			,		
6. Guinea Pigs					
7. Hamsters			\		
8. Rabbits	0	0	· 13	0	13
9. Non-human Primates					
10. Sheep	·				
11. Pigs					
12. Other Farm Animals	-	•			
13. Other Animals					
			·		
				L BEBINBL	7

### **ASSURANCE STATEMENTS**

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anest igesic, and tranquilizing drugs prior to during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions a specified and approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending vetermanian for this research facility has appropriate authority to ensure the provision of adequate vetermary care and to oversee the adequacy of other aspects of animal care and use.

### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

11-16-99

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

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additional information. 13/15

Interagency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036//

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Code)

Torrey Pines Institute for Molecular Studies 3550 General Atomics Court San Diego, CA 92121

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

CFORT OF ANIMACS USED BY O			(Altach adiditional sheets if ne	cessary or use APHIS FORM 702(A.)	
Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such burposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL  (Cols. C D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters			1		
3. Rabbits	,				
Non-human Primates					·
10. Sheep					
11. Piqs			·		
12. Other Farm Animals					
13. Other Animals					
We only use mice	and rats.				
	· · · · · · · · · · · · · · · · · · ·	TE OF STREET			

- Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or

DATE SIGNED

APHIS FORM 7023

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(AUG 91)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

FORM APPROVED Laris OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

COR Therapeutics, Inc. 256 East Grand Ave South San Francisco, CA 9408

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

same as above (#2)

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMAL:  (Cols. C +  D + E)
4. Dogs		12		•	12
5. Cats					
6. Guinea Pigs			18		18
7. Hamsters			\		
8. Rabbits	30	43	350		393
9. Non-human Primates					
10. Sheep				•	
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
				MEGELVEIN	

### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of and tranquilizing to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility. NOV 19 ccq
- 2). Each principal investigator has considered alternatives to painful procedures
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and specified and explained by the principal investigator and approved by the Institutional Annual Care and Use Committee (IACUC). A summary of all such exceptions is a summary of all such exceptions is a summary of all such exceptions. addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the approved exceptions, this summary includes a brief explanation of the exceptions, as well as the approved exceptions, this summary includes a brief explanation of the exceptions, as well as the approved exceptions.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

/15/9

**APHIS FORM 7023** (AUG 91)

(Replaces VS NORM 18-23 (OCT 88), which is obsolute )

1. REGISTRATION NO. <u>-0299</u>

FORM APPROVED

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

OMB NO. 0579-0036 2. HEADQUARTERS RESEARCH FACILITY 1 Address, as registered with USDA

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

		7448			
A.  Animals Covered  By The Animal  Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research; experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (COIS. C + D + E)
4. Dogs	8	9			Ø
5. Cats		8			3
6. Guinea Pigs	13	Ø,			V.
7. Hamsters	8	Ø	1		0
8. Rabbits	92	1646			1646
9. Non-human Primates	Ø	Ø	· \		8
10. Sheep	3				1
11. Piqs	0	Ø	\ ·		0
12. Other Farm Animals	3	8		-\	8
					\
13. Other Animals		·			
			`	1000	(
ASSURANCE STATEMENTS				ाता ह । ह । ल ह	``

Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use difancishetic, analgesic, and me william drugs prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facilities

2). Each principal investigator has considered alternatives to painful procedures.

This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be securified investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In principal investigator and approved exceptions, this summary includes a brief explanation of the exceptions, as well as the exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the exceptions of adequate veterinary in the exceptions of adequate veterinary exceptions. 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterina

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. FERTILITY & REPRODUCTIVE HEALTH INSTITUTE of NO. CALIF. 2516 SAMARITAN DR #A JOSE CA 95124

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional SAME.

FACILITY LOCATIONS (Sites)

SAME

A.	B. Number of	C Number of	0	E. Number of animals upon which teaching,	T
Animals Covered  By The Animal  Welfare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs					
5. Cats				,	
6. Guinea Pigs					
7. Hamsters		300	;		300
8. Rabbits					·
9. Non-human Primates					
10. Sheep				·	
11. Pigs	<u> </u>				
12. Other Farm Animals		_			
13. Other Animals					
· · · · · · · · · · · · · · · · · · ·					
				-	
•					-

### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspir

### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUT

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

9-29-99

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(b)(6), (b)(7)(c)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036 11

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

IDEC Pharmaceuticals Corporation 11011 Torreyana Road San Diego, California 92121

		FAC	CILITY LOCATIONS (Siles)	,	
	R UNDER CONTROL OF	RESEARCH FACILITY	f (Altach adiditional sheets if ne	cessury or use APHIS FORM 7023A)	
Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs				/	
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits			·		
9. Non-human Primates			NO COVERED	ANTMALS.	
10. Sheep					
11. Piqs					
12. Other Farm Animals					
13. Other Animals					
ASSURANCE STATEMENTS					

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analogsid, and tranquilizing drugs; prior to during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Cure and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In
- principal investigator and approved by the institutional Annian care and use committee (IACUC) is summary or an such exceptions as a state of the species and number of annian experiments addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of authority is attented.

  USDA, Apply 14.

  4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to overset the adequate veterinary care and to overset the appropriate authority to ensure the provision of adequate veterinary care and to overset the appropriate authority to ensure the provision of adequate veterinary care and to overset the appropriate authority to ensure the provision of adequate veterinary care and to overset the appropriate authority to ensure the provision of adequate veterinary care and to overset the appropriate authority to ensure the provision of adequate veterinary care and to overset the appropriate authority to ensure the provision of adequate veterinary care and to overset the appropriate authority to ensure the provision of adequate veterinary care and to overset the appropriate authority to ensure the provision of adequate veterinary care and to overset the appropriate authority to ensure the provision of adequate veterinary care and to overset the appropriate authority to ensure the provision of adequate veterinary care and to overset the appropriate authority to ensure t

### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

GNATURE OF C.E.	(b) (6
	(bY7)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Pr

DATE SIGNED

SIC

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

1.15

1. REGISTRATION NO.

FORM APPROVED

OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

> HTI Bio-Products, Inc. 26578 Old Julian Highway 🙌 🕴 CA 92065 Ramona,

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

Julian Highway, Ramona, CA 92065

3065 Highway 67, Ramona, CA 92065

A	B. Number of		<del>                                     </del>	cussury or use APHIS FORM 7023A.)	
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMAL: (Cols. C + D + E)
4. Dogs					·
5. Cats	·			,	
6. Guinea Pigs		99		Per telephone W	99
7. Hamsters			\ .		
8. Rabbits	1118	11,670		29NOJ99	11,470
9. Non-human Primates				(b)(b) (b) (7)C)C(	
10. Sheep		33			33
11. Pigs					
12. Other Farm Animals					,
Goats	10	438			438
13. Other Animals					
Rats		36			36

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this animal report. principal investigator and approved by the Institutional Animal Care and use committee (IACCC). A summary of all selections as well as the species and mumbeout affinally all the addition to identifying the IACCC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and mumbeout affinally all the addition to identifying the IACCC approved exceptions. This summary includes a brief explanation of adequate veterinary care and to oversee the administry of other uspect.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the animal care and use.

### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL.

(Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of PHILLSDA, APP

O. CA SACRAMEN

11/12/99

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036 ...

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

Kern Medical Center 1830 Flower Street Bakersfield, Ca 93305 (b)(6) (b)(7)(c)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** Auburn Animal Hospital Kern County Morgue 3713 Auburn Street 1830 Flower Street Bakersfield, California 93306 Bakersfield, California 93305 REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY

A. Animals Covered : By The Animal Weltare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, Surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (COIS. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Harnsters			1		
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs			4	<u>.</u>	4
12. Other Farm Animals				- ' .	
13. Other Animals					
		•		3 · · · · ·	
1 11 11 11 11 11 11 11 11 11 11 11 11 1					

ASSURANCE	STATEMENTS
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- Handrallizing dilugs, prior to, during, Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of a and following actual research, teaching, testing, surgery, or experimentation were followed by this research laditive
- 2). Each principal investigator has considered alternatives to painful procedures
- **ac**t 18 1**99**9 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of annuals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary subjectives in adequacy of other aspects of animal care and use. animal care and use.

### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

**6** 

W R

DATE SIGNED

22 SEP 99

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(b)(6),(b)(7)(c)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 1111

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FORM APPROVED OMB NO 0579-0036 5 1

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Pacific Antisera Corp. 2492 Technology Dr.

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

2492 Technology Dr. Hayward, CA. 94545

A		B. Number of	C Number of		cessary or use APHIS FORM 7023A.)  E. Number of animals upon which teaching.	1
1	nimals Covered <sup>2</sup> By The Animal elfare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or	animals upon which leaching, research, experiments, or tests were conducted involving no	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research.	TOTAL NO. OF ANIMALS
		surgery but not yet used for such purposes.	pain, distress, or use of pain- relieving drugs.	and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	(Cols. C + D + E)
4. Dogs						,
5. Cats						·
6. Guine	ea Pigs		6			6
7. Hams	sters					
8. Rabbi	its			1,197		1,197
9. Non-h	numan Primates				<u> </u>	
10. Shee	p					
11. Pigs						
12. Other	r Farm Animals					
					BECEL SA	
13. Other	r Animals					
<del></del>					NOV 3 July 1	
					it it MUV 3 1300 garage	<u> </u>

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analigesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

		CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
6.53	(1)(-1/0)	(Chief Executive Officer or Legally Responsible Institutional Official)
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SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL

DATE SIGNED

1. REGISTRATION NO. 93-8-0314

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

La Jolla Institute for Allergy & Immunology 10355 Science Center Drive San Diego, CA 92121

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

		FAC	CILITY LOCATIONS (Siles)		
10355 Science Ce San Diego, CA 9		,			
REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	F RESEARCH FACILITY	(Alfach adiditional sheets if ne	cessary or use APHIS FORM 7023A)	
A. Animals Covered <sup>2</sup> By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing	C Number of animals upon which leaching, research, experiments, or lests were	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results or	F.  TOTAL NO.  OF ANIMALS

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	TOTAL NO. OF ANIMALS  (COIS. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
		NO COVERED	ANIMALS DURING	THIS REPORTING PERIOD	
13. Other Animals					

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquitizing dress, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to his annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIA	I.
(Chief Executive Officer or Legally Responsible Institutional Official)	

ef Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 USC Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OF

(b) (6) (b) (7) (c NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

0/26/99

1. REGISTRATION NO.

93-R-0316



FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

# ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) Corvas International, Inc. 3030 Science Park Road San Diego, CA 92121

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

3030 Science Park Road

San Diego, CA 92121

REPORT OF ANIMALS USED BY	B. Number of	C Number of	D. Number of animals upon		umber of animals upon which teaching,	T
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	ex cc 10 ai ha in ex th	experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate mesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or iterpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these mimals and the reasons such drugs were not used thust be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs						N/A
5. Cats			, , , , , , , , , , , , , , , , , , ,			N/A
6. Guinea Pigs						N/A
7. Hamsters	-					N/A
8. Rabbits		~ -	188	ļ		188
9. Non-human Primates	<u> </u>			-		N/A
10. Sheep						N/A
11. Pigs	<b></b>	· · · · · · · · · · · · · · · · · · ·				N/A
12. Other Farm Animals	-		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -			N/A
13. Other Animals						N/A
					NOV 2 2 1999	
ASSURANCE STATEMENTS					USDA, APHIS, REAC, AC	

1) Professionally acceptable standards governing the care, freatment, and use of animals, including approxiate use the time standards governing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(Chief Executive Officer of	QUARTES RESEARCH FACILITY OFFICIAL or Legally Responsible Institutional Official) true, correct, and complete (7 USC Section 2143)	
SIGNATURE OF CEO. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
	(b)(7)(c)	11-19-99

OMB NO 0579-0036 07 Z, HEADQUARTERS RESEARCH FACILITY (Name and Adurest as rugistered with USDA Phar Mingen
10975 Torreyona Rd. ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 3. REPORTING FACILITY (List bill locations where unimals were housed or used in actual restarch, testing, teaching, or experimentation, or held for these purposes. Attach additional FACILITY LOCATIONS (S.Iber 10995 Torreyana Rd 1) ieso REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY IARISCH AIKHINDALSHEDS I DECUSSION OF USA APHIS FORM TOZDA) & Number of C. Number of E. Number of animals upon which reaching. D. Humber of aiminals upon animals being experiments, research, surgery or tests were node alconne which experiments, Animals Covered which leadning. conducted involving accompanying pain or distress reaching, research. By The Annual conditioned or research. to the animals and for which the use of appropriate surgery, or tests were TOTAL NO neld for use in Westare Regulations? experiments, or conducted involving anesthetic, analgesic, or tranquilizing drugs would OF ANIMAL'S teaching, testing, lesis were have adversely diffected the procedures, results, or accompanying pain or experiments, interpretation of the leaching, research. distress to the aminuts research, or involving no experiments, surgery, or tests. (An explanation of and for which appropriate (Cols. C -D - E) surgery out not oun, distress, or the procedures producing pein or distress in these anesthelic, analgesic, or yet used for such use of painanimals and the reesons such drugs were not used tranquilizing drugs were purposes. relieving drugs. must be attached to this report): vsad Docs Cais Guinea Pigs Hamsiers (Armenius 8 8 Rabbits Non-human Primates Sheepo Other Farm Animals 12. Other Animals 100 ASSURANCE STATEMENTS ŭ L 10 1) Professionally acceptable standards governing the care, treatment, and me of animals, including approvate use of anisothetic, analysis unquilizing drugs; prior to, dur and following actual research, teaching, tosting, surgery, or experimentation were followed by this research tooling DEC 25. Euch principal investigator has considered atternatives to painful procedures 2) This facility is achieving to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations de specified and explained by the principal investigator and approved by the Institutional Annual Care and Use Committee (IACUC). A summary of all such exceptions is attractive to the approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of line summary includes a brief explanation of the exceptions, as well as the species and number of line SACRAMENTO, CA. 4) The attending vetermanum for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy amenal care and use. CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Logrithy that the above is trive, correct, and complete (7.0.5.0. Section 2143) SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL TITIONAL OFFICIAL IT JUST OF APHIS FORM 7023 (Replaces VS FORM 18-23 (OCT 88), which is absolute) (AUG 91)

Street management gills

FORM APPROVED

1. REGISTRATION NO.

AUVIOUTDO UO:OO ERUM UODA AENTO WEGIERA AU

UNITED STATES DEPARTMENT OF AGRICULTURE

ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 93-R-0322

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Rio - Tronds Intornational Inc

Bio-Trends International, Inc. 2510 Boatman Avenue West Sacramento, CA 95691

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites) Davis, CA Winters, CA REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM 7023A.) B. Number of C Number of E. Number of animals upon which teaching, D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments, Animals Covered bred. which leaching, conducted involving accompanying pain or distress teaching, research, conditioned, or By The Animal research. to the animals and for which the use of appropriate surgery, or tests were conducted involving TOTAL NO held for use in Welfare Regulations experiments, or anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS teaching, testing, tests were have adversely affected the procedures, results, or accompanying pain or experiments, conducted interpretation of the teaching, research, distress to the animals research, or involving no experiments, surgery, or tests. (An explanation of and for which appropriate (Cols. C + D + E) surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or yet used for such use of painanimals and the reasons such drugs were not used tranquilizing drugs were purposes. relieving drugs. must be attached to this report). Dogs 164 164 Cats Guinea Pigs Hamsters Rabbits Non-human Primates Sheep Pigs 12. Other Farm Animals 13. Other Animals ASSURANCE STATEMENTS Professionally acceptable standards governing the care, treatment, and use of animals, including approriate userof unesthetic long desire. Sad Constitution of the care, treatment, and use of animals, including approriate userof unesthetic long desire. Sad Constitution of the care, treatment, and use of animals, including approriate userof unesthetic long desire. Sad Constitution of the care, treatment, and use of animals, including approriate userof unesthetic long desire. Sad Constitution of the care, treatment, and use of animals, including approximate userof unesthetic long desire. 2). Each principal investigator has considered alternatives to painful procedures

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this adminal report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptione, as well as the species and number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)
Leartify that the above is true correct, and consolute (7.11.0.0. Control 21.42)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143

SIGNATURE OF C.F.O. OR INSTITUTIONAL OFFICIAL

(6)(6)

NAME A TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/4/99

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE



1. REGISTRATION NO.

FORM APPROVED

OMB NO. 0579-0036 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Santa Clara University Santa Clara, CA 95053

include Zip Code)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these -purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

Animal Facility (Alumni Science Building)

A. Animals Covered By The Animal Weltare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (COIS. C + D + E)
4. Dogs	0	0	0	Ó	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	0	0	0
7. Harnsters	0	0	0/	0	0
8. Rabbits	0	0	0	0	0
9. Non-human Primates	0	0	. 0	0	0 .
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	- 0	0	0	0	0
13. Other Animals	0	0	0	0	0

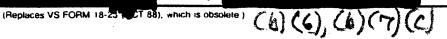
- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of aniesthetic, and algesic, and tranquilizing drugs, prior jo iduring. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of aminals offected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use. animal care and use.

(a) (a) (a) (a)	(Chief Executive Off	HEADQUARTES RESEARCH FACILITY OFFICIAL ficer or Legally Responsible Institutional Official) bove is true, correct, and complete (7 U.S.C. Section 2143)
SIGNATURE OF C.E.O. OR INSTITUTION	L-OFFICIAL	NAME & TITLE OF CEO OR INSTITUTIONAL OFFICIAL (T

DATE SIGNED

11/22/99

**APHIS FORM 7023** (AUG 91)



ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1150

1. REGISTRATION NO.

FORM APPROVED Laris OMB NO. 0579-0036 / 1/

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

Bio-Devices Laboratories 2118 W. Collins Ave ORANGE, CA 92867

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

2118 W. Collins Ave, DRANGE (A 92467

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	0		78		78
5. Cats					
6. Guinea Pigs					
7. Hamsters			:		
8. Rabbits				·	·
9. Non-human Primates					
10. Sheep					
11. Pigs			2	·	2
12. Other Farm Animals	·				
13. Other Animals					
					÷
ASSURANCE STATEMENTS					

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anisabetic, analgesic, and tranquilizing thrust prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility: NOV 2 6 1999

2). Each principal investigator has considered alternatives to painful procedures

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the and regulations be specified nd explained by the all such executions that purpose this annual report. In s, as well as the special and through of annuals affected.

SALVAMENTO, CA principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exaddition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exception

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee annual care and use.

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)  DATE SIGNED  A COMMENT OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	(b)(b)(7)(c) (ch	ief Executive Officer or Le	ARTES RESEARCH FACILITY OFFICIAL egally Responsible Institutional Official) correct, and complete (7 USC Section 2143)	
11/22/99	SIGNATURE OF		NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED

(AUG 91)

(b)(6), (b)(7)(c)

1. REGISTRATION NO. 93-R-0336

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

J R Scientific, Inc. 1242-D Commerce Ave Woodland, CA 95776

2 DEDODTING EACH ITY //! least	land the second to the second	
J. NEFORTING FACILITY (LIST BILLOCAL	ions where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these -purposes.	Attack additional
	purposes.	THE STATE OF THE S
sheets if necessary.)		

FACILITY LOCATIONS (Siles)

d.b.a Nieffenegger Company

17269 Sheely Creek Rd, Vernonia, OR 97064

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Harnsters				Per telephore W	
8. Rabbits	1759				<del>1759</del> /
9. Non-human Primates				260ct99	-/3/
10. Sheep				(b)(6).(b)(7)(c)	
11. Pigs				,, ,,	
12. Other Farm Animals			,		
13. Other Animals					
<u> </u>					

Professionally acceptable standards governing the care, treatment, and use of animals, including appro		
and following actual research, teaching, testing, surgery, or experimentation were followed by this rese		

2). Each principal investigator has considered alternatives to painful procedures

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well is the spaces and summary animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary. See Tourname the adequacy of other aspects of animal care and use.

		CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
110		(Chief Executive Officer or Legally Responsible Institutional Official)
(h)(a)	(A)(1)(C)	Legitity that the above is true, correct, and complete (7.U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

9/22/99

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. ゆが

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA Fertility Institute of California, Inc 1515 Yanacio Valley Rd. Stel

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

above Same as

A.  Animals Covered: By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research; experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters			146		146
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
				39	

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, Professionally acceptable standards governing the care, treatment, and use or animals, managing approvate use or and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility. figy
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species addition for identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species addition for identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species addition for identifying the IACUC-approved exceptions.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

ENTITIONAL OFFICIAL () SIGNATURE

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

995 P.J. 1208

10/3/

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

**FACILITY LOCATIONS (Sites)** 

1. REGISTRATION NO. 93-R-03351

OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

merotic Lip Code)		
IND Desent	The	
5909 Sea Lin	Pluce	マッチの
Java Sea Lim Carlibal, CA	92008	
) - ·		

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.) B. Number of E. Number of animals upon which teaching. C Number of D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments, bred, **Animals Covered** which leaching, conducted involving accompanying pain or distress teaching, research, conditioned, or By The Animal research. to the animals and for which the use of appropriate surgery, or lests were TOTAL NO Welfare Regulations held for use in experiments, or anesthetic, analogsic, or tranquilizing drugs would OF ANIMALS conducted involving leaching, testing, lesis were have adversely affected the procedures, results, or accompanying pain or experiments. conducted interpretation of the teaching, research, distress to the animals research, or involving no experiments, surgery, or tests. (An explanation of (Cols. C + D + E) and for which appropriate surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or vet used for such use of painanimals and the reasons such drugs were not used tranquilizing drugs were purposes. must be attached to this report). relieving drugs. Dogs Cats Guinea Pigs Hamsters Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals <u>\_</u> \_ 13. Other Animals

#### **ASSURANCE STATEMENTS**

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anestheric, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified-and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(Chief Executive Officer o	QUARTES RESEARCH FACILITY OFFICIAL or Legally Responsible Institutional Official) rue, correct, and complete (7 U.S.C. Section 2143)	
SIG DE OF C.E.O. OR INS	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )

(b)(6), (b)(7)(e)

1. 1.

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150.

See reverse side for additional information.

12/15 Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) **SURGICAL SIMULATION** 

TRAINING CENTER P.O. BOX 1237 BLOOMINGTON CA 92316-0270

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

**FACILITY LOCATIONS (Siles)** 

REPORT OF ANIMALS USED BY C	R UNDER CONTROL OF	F RESEARCH FACILIT	Y (Attach adiditional sheets if no	cessury or use APHIS FORM 7023A.)	
Animals Covered By The Animal Welfare Regulations	B Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or lests were conducted involving no pain, distress, or use of painrelieving drugs.  D. Number of animals upon which experiments, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Doys K 9	0	NA	60	NA	60
5. Cats	0		Ð,	1	
6. Guinea Pigs	0		Ð		·
7. Hamsters	0		8	:	
8. Rabbits	0		22		22
9. Non-human Primates			0		D
10. Sheep	$\sim$		15		15
11. Piqs	7		A		0
12. Other Farm Animals			Ð		
			Ð		
13. Other Animals		NA	D		
				NH	
		,			
Total			97		97
ASSURANCE STATEMENTS					
1) Professionally acceptable st	andards governing the	care, treatment, and u	se of ammals, including appron	ute use of an <u>esthelic, analgesic, and transpolizmy drugs,</u> pr	μμ.ζο. during.

1)	Professionally acceptable standards governing the care, treatment, and use of animals, including approris	te use of	فيلتعوآن	lic_ana	nesic.	and trac	nepulsana	دوسالم	- טטטכנס	o, durine
	Professionally acceptable standards governing the care, treatment, and use of animals, including approxi- and following actual research, teaching, testing, surgery, or experimentation were followed by this research	h lacility.			50		ได้กรั	15-		•

2). Each principal investigator has considered alternatives to painful procedures

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards principal investigator and approved by the institutional Animal Case and the Committee (19 principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of annuals affected

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

(Chief Executive Officer or	UARTES RESEARCH FACILITY OFFICIAL/ENTO	-
CONTRACTOR OF A CONTRACTOR OF		_

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036 ///

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as recustered will space include Zip Code) (

WERLIN - ZAVRUTSKLE FERTILITY LIBBE 4900 BARRANCA PARKWAY, SUITE 103 180, NE, CA. 92604

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

UTE. 1RUINE, CA. 92604

A.  Animals Covered  By The Animal  Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMAL:  (Cols. C +  D + E)
4. Dogs					
5. Cats			2		
6. Guinea Pigs					
7. Hamsters	50	638	``		638
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals MICE	ф	83			83
	′				
and the second s					
				TINE SHOW I	17

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analysis, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of aniihols affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy in other aspects of animal care and use.

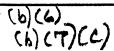
(b)(c)	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL  (Chief Executive Officer or Legally Responsible Institutional Official)  Legally that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91)

Replaces VS FORM 18-23 (OCT 88), which is obsolete)



1. REGISTRATION NO. **ふ**り,

FORM APPROVED OMB NO. 0579-0036 /1/

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

247

The Annenberg Center for Health Sciences at Eisenhower Medical Center 39000 Bob Hope Drive Rancho Mirage, CA 92270

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) All teaching is conducted in our lab located at same address as 🗱 🛣

**FACILITY LOCATIONS (Siles)** 

### **NOT A FOIA DELETION**

DEPOST OF ANIMAL CHEER BY	TO LINDED CONTROL OF			10.00 50.00 1000	
	<del></del>	F RESEARCH FACILITY	(Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A.)	
Animals Covered : By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters			\		
8. Rabbits					
9. Non-human Primates					
10. Sheep				<u>.</u>	
11. Pigs					0
12. Other Farm Animals					
13. Other Animals					
ASSURANCE STATEMENTS				10: 字 12	

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, as algests, and tranquisting drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- and to oversee the adequacy of other aspects of 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care animal care and use.

#### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is trire, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OF

OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

Annemberg Center for Health Sciences at Eisenhower

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

:353

1. REGISTRATION NO. 92 - R- 0353

FORM APPROVED ... OMB NO. 0579-0036 //.

HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

The Parkinson's Institute 1170 Morse Ave. Sunnyvale, CA 94089-1605

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

One site only - headquarters

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters			\		
8. Rabbits					
9. Non-human Primates	17	16	. 9	33	58
10. Sheep					
11. Pigs					
12. Other Farm Animals				_	
13. Other Animals					
				DECE! W	1

#### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetid, analysis, and tranquilizing drugs, prior to during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

						CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(P)	(6)	,	(b)	)C	1)(0	(Chief Executive Officer or Legally Responsible Institutional Official)  Legally that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE CONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

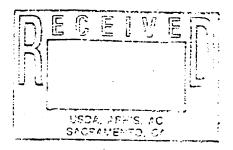
/IS FORM 7023 (AUG 91) epiaces VS FORM 18-23 (OCT 88), which is obsolete)

(b)(6), (b)(7)(c)

93R0353

### Category E Justification Statement For 1998-99 USDA Annual Report

Thirty-three (33) animals were included in the "E" category because these animals were on studies involving induction of Parkinson's disease and we presume that there is some psychological distress associated with the temporary impairment of motor function experienced by these animals. In humans, Parkinson's disease causes increasing motor impairment and a portion of our research into the nature and possible treatment of this disorder involves induction of the disorder in living animals. In particular, non-human primates represent the only animal model in which the behavioral, neurochemical, and neuropathological features of parkinsonism are fully expressed and thus they are the best model for studies on Parkinson's disease. Based on the experience in humans, this disorder is not known to cause physical pain; however, we presume the animals experience some distress during the time they have diminished motor function. We have strong reason to believe that this statement is correct, since we have cared for a number of humans with a form of parkinsonism which is identical to that experienced by these animals, and none had pain. The impairment in our experimental studies cannot be alleviated since it is necessary to the objectives of our studies. Use of sedatives or tranquilizers is also not justified because the effects of these agents would interfere with the results of our investigations. Nor is it justified on purely medical grounds, since pain, psychosis, or agitation, are not a part of this syndrome based on our experience in humans.



ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO. 93

FORM APPROVED OMB NO 0579-0036 MC

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

CENTAUR PHARMACEUTICALS, INC. 484 DAKKEAD PARKWAY SUNXYVALE, CA 94086

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these -purposes. Attach additional sheets if necessary) FACILITY LOCATIONS (Siles)

484 OAKHEAD PARKWAY SUNNYVALE, CA 940P6 REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach admittional sheets if necessary or use APHIS FORM 7023A) B. Number of C Number of E. Number of animals upon which teaching, D. Number of animals upon F. animals being experiments, research, surgery or tests were animals upon which experiments. conducted involving accompanying pain or distress **Animals Covered** bred. which leaching, teaching, research, By The Animal conditioned or to the animals and for which the use of appropriate research, TOTAL NO. surgery, or tests were held for use in anesthetic, analgesic, or tranquilizing drugs would Welfare Regulations experiments, or OF ANIMALS conducted involving teaching, testing, have adversely affected the procedures, results, or tests were accompanying pain or experiments. conducted interpretation of the teaching, research. distress to the animals and for which appropriate experiments, surgery, or tests. (An explanation of research, or (Cols. C + D + E) involvina no surgery but not the procedures producing pain or distress in these pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used vet used for such use ol paintranquilizing drugs were must be attached to this report). purposes. relieving drugs: used. 4. Dogs Cats Guinea Pigs Hamsters Rabbits Non-human Primates ANIMAL 10. Sheep A SE GULLINED Pias Other Farm Animals 13. Other Animals **ASSURANCE STATEMENTS** 311 ii n i 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of aneithetic, analgesic, and tranquilizing drugs, prior to, during, Professionally acceptable standards governing the care, treatment, and solve and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility. 2) Each principal investigator has considered alternatives to painful procedures 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well 43 (expectes and number of animals affected.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

above is true, correct, and complete (7 U.S.C. Section 2143) I certify.

SIGNATURE OF

ONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

(AUG 91)

23 (OCT 88), which is obsolete )

The attending vetermanian for this research facility has appropriate authority to ensure the provision of adequate

(b)(6),(b)(7)(c)

1. REGISTRATION NO. À

FORM APPROVED OMB NO. 0579-0036 M. /-

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Trega Biosciences, Inc. 9880 Campus Point Drive San Diego, CA 92121-1514

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)

9880 Campus Point Vivarium

Animals Covered By The Animal : Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0 \	0	0
8. Rabbits	0	75	. 0	00	75
9. Non-human Primates	0	0	. 0	0	0
10. Sheep	0 .	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals	0	0	0	0	0.

#### ASSURANCE STATEMENTS

1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of ane and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

18 999

2). Each principal investigator has considered alternatives to painful procedures

This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as .itedied الـمسمــلم

addition to identifying the IACUC approved exceptions, this summary includes a priet explanation of the exceptions, as well as the Sport USDA, APHIS, REAC, AC

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterilary care and CASPASE PROVENIES OF OTHER PROPERTY OF THE PROPERTY

(	CERTIFICATION BY HEADQUAE	68 RESEARCH FACILITY OFFICIAL
~ Y	(Chief Executive Officer or Legal	y Responsible Institutional Official)

Learnity that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED 10-8-99

prior to, during,

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO

FORM APPROVED

OMB NO. 0579-0036 M 5

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA Microcide Pharmicenticuly In 850 mande Ave mountain View, CA 94043

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

850 Maude Ave, Mountain View, CA 94043

A.	B. Number of	C Number of		cessary or use APHIS FORM 702(IA.)  E. Number of animals upon which teaching.	
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMAL: (Cois. C + D + E)
4. Dogs					
5. Cats		,	·		
6. Guinea Pigs					
7. Harnsters			1		
8. Rabbits			. 30		30
9. Non-human Primates		· · · · · · · · · · · · · · · · · · ·			
10. Sheep					
11. Piqs		*			
12. Other Farm Animals				-	
13. Other Animals		,			

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to-oversee, the adequacy of other aspects of

(Chief Executive Officer or I certify that the above is true	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) e, correct, and complete (7 U S C Section 2143)	
SCHATURE OF CEO OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED

18-23 (OCT 88), wi

(b) (b) (c) (c)

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO BC 21

FORM APPROVED OMB NO. 0579-0036 1

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Cypros Pharmaceutical Corporation 2714 Loker Avenue West Carlsbad, California 92008

	<del></del>			<del></del>
3. REPORTING FACILITY (List all locations	where animals were housed or used in actual res	search, testino, teachino, or experimentation	n, or held for these, purpose:	<ol> <li>Attach additiona</li> </ol>
sheets if necessary.)		g, a. a. p.	The second second periphers	

Same as Above **FACILITY LOCATIONS (Siles)** Same as Above

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	0	0	0	0	0
5. Cats	0		0	0	0
6. Guinea Pigs	0	Ö	00	0	0
7. Hamsters	0	0	o \	0	0
8. Rabbits	0	0	0	0	0
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0		0	0
	0			•	
13. Other Animals	0		0	0	0
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#### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetics analysis and transport to during, and tollowing appropriate use of animals and tollowing appropriate use of animals. SACRAMENTO, CA and following actual research, teaching, testing, surgery, or experimentation were followed by this research lability
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
1111 1111 1111	(Chief Executive Officer or Legally Responsible Institutional Official)
6/6/6/(n)(r)(c)	Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF CE O OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18obsolete)

1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036 114

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Protein Design Labs 34801 Campus Drive Fremont, CA 94555

ANNUAL	REPORT OF RES	EARCH FACILITY
	(TYPE OR PR	INT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

**FACILITY LOCATIONS (Siles)** 

Fremont, CA REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adminional sheets if necessary or use APHIS FORM 7023A.) Number of Number of animals upon which teaching, C Number of D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments, **Animals Covered** conducted involving accompanying pain or distress bred. which leaching, teaching, research, conditioned, or to the animals and for which the use of appropriate By The Animal research, surgery, or tests were TOTAL NO Welfare Regulations held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would conducted involving OF ANIMALS teaching, testing, tests were have adversely affected the procedures, results, or accompanying pain or interpretation of the teaching, research. experiments, conducted distress to the animals research, or surgery but not experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these (Cols. C + D + E) involving no and for which appropriate pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were purposes. relieving drugs must be attached to this report). used. Dogs Cats Guinea Pigs 10 10 Hamsters Rabbits 8. Non-human Primates 10. Sheep 11. Pigs Other Farm Animals Other Animals

### ASSURANCE STATEMENTS

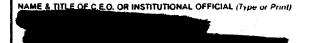
- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

11/16/19



DATE SIGNED

11/16/99

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 1270

FORM APPROVED OMB NO. 0579-0036 /15

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Pharmacyclics 995 E. Arques Ave Sunnyvale, Ca. 94086-4593

3. REPORTING FACILITY (List all locations where anim	tals were housed or used	in actual recurred tecture t		
3. REPORTING FACILITY (List all locations where anim sheets if necessary.)	note included of dised	m actual research, resting, r	eaching, or experimentation, or held for these purpose	es. Attach additional
	FAC	CILITY LOCATIONS (Siles)		
995 E Argues				
Sunnuvale, Ca.	94086-45	593		<del></del>
REPORT OF ANIMALS USED BY OR UNDER CONTROL	OF RESEARCH FACILITY	(Attach adiditional sheets if	necessary or use APHIS FORM 7023A.)	
A. B. Number of animals being bred, By The Animal conditioned, or Welfare Regulations held for use in	C Number of animals upon which leaching, research, experiments, or	Number of animals upo which experiments, teaching, research, surgery, or tests were	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distortion the animals and for which the use of appropriate the conduction of the	priate TOTAL NO

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs		,			
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits		型可	78		78
9. Non-human Primates					165
10. Sheep		NOT A FO	A DELETION		
11. Pigs		HOLVIA	II Valuativii		
12. Other Farm Animals					
13. Other Animals					
			·		
ASSURANCE STATEMENTS					

# Professionally acceptable standards governing the care, treatment, and use of animals, including approriatelyselol anes

. Coonquilizidgi drugs, prior to, during,

2). Each principal investigator has considered alternatives to painful procedures.

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations are the Act, and it has required that exceptions to the standards and regulations are the Act, and principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions and intermediate of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

(b)(6) (h	)/7/6\(\(\frac{Chief}{\chi}\)	Executive Officer or I	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) , correct, and complete (7 USC Section 2143)	
SIGNATURE OF C.E.O. OR I	NATITUTANAL OFFICIAL		NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)	DATE SIGNED 10/6/99
APHIS FORM 7023	(Business MC FOOM )	0.00		

(AUG 91)

(b)(b), (b), (7)(c)

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO 93-K-0362.

OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

#### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Institute of Critical Care Medicine

Institute of Critical Care Medicine \_ 1695 N. Sunrise Way Palm Springs, CA 92262

3. REPORTING FACILITY (List all locations where animals were housed or used in actual resear	ch, testing, teaching, or experimentation, or held for these purposes. A	Mach additional
sheets if necessary.)		

FACILITY LOCATIONS (Siles)

Palm Springs CA 92262 REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM 7023A.) B. Number of C Number of Number of animals upon which teaching, D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments, Animals Covered bred. conducted involving accompanying pain or distress which leaching, teaching, research, surgery, or tests were By The Animal conditioned, or research, to the animals and for which the use of appropriate TOTAL NO. held for use in Welfare Regulations experiments, or anesthetic, analgesic, or tranquilizing drugs would conducted involving OF ANIMALS teaching, testing, tests were have adversely affected the procedures, results, or accompanying pain or experiments, conducted interpretation of the teaching, research, distress to the animals research, or involving no experiments, surgery, or tests. (An explanation of (Cols. C + D + E) and for which appropriate surgery but not the procedures producing pain or distress in these pain, distress, or anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were purposes. relieving drugs. must be attached to this report). used. 4. Dogs Cats Guinea Pigs Hamsters Rabbits Non-human Primates 10. Sheep 0 86 11. Pigs 12. Other Farm Animals 13. Other Animals **ASSURANCE STATEMENTS** 1: 4

1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate useful anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility:

2). Each principal investigator has considered alternatives to painful procedures.

This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is affected to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use.

### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(b)(b) (b)(7)(c) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

10/19/99

AIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolete )

See reverse side for

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO.

FORM APPROVED 13115

OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

BLP BIOLAB SEECICES 1840 MANZANITA CT. UNTH, CA. 912683

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM 7023A.) B. Number of C Number of E. Number of animals upon which teaching, D. Number of animals upon animals being animals upon which teaching, experiments, research, surgery or tests were which experiments Animals Covered By The Animal bred, conducted involving accompanying pain or distress teaching, research, surgery, or tests were conditioned, or to the animals and for which the use of appropriate research, Welfare Regulations TOTAL NO. held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would conducted involving OF ANIMALS teaching, testing, lesis were have adversely affected the procedures, results, or accompanying pain or experiments. conducted interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of distress to the animals research, or involving no pain, distress, or and for which appropriate (Cols. C + D + E) surgery but not the procedures producing pain or distress in these anesthetic, analgesic, or yet used for such use of painanimals and the reasons such drugs were not used tranquilizing drugs were purposes. must be attached to this report). relieving drugs. used. 4. Dogs Cats Guinea Pigs Hamsters Rabbits Non-human Primates Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals 6 ASSURANCE STATEMENTS 1 11 11 Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of animals and following actual research, feaching, testing, surgery, or experimentation were followed by this research facilities.

2). Each principal investigator has considered alternatives to painful procedures

This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulational principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions to identifying the IACUC approved associated, the content of the standards and the summary of all such exceptions. addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

(b)(c) (b)(7)(c) (Chie	ICATION BY HEADQUARTES RESEARCH FAC f Executive Officer or Legally Responsible Institu i certily that the above is true, correct, and complete (7 U.S.C. Sec	tional Official)
SIGNATURE OF CE.O. OR INSTITUTION	NAME & TITLE OF C.E.O. OR INST	TUTIONAL OFFICIAL (Type or Print)  CA (6)  (1)  (2)
APHIS FORM 7022	to the second se	

(AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

1. REGISTRATION NO. 78

FORM APPROVED
OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Sierra BioSource Inc. 1180-C Day Road. Gilroy CA 95020 ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

Sierra BioSource Inc

A.	B. Number of C N		D. Number of animals upon	cussary or use APHIS FORM 7023A.)  E. Number of animals upon which feaching,	F.	
Animals Covered By The Animal : Wellare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS (Cols. C + D + E)	
4. Dogs						
5. Cats				,		
6. Guinea Pigs						
7. Hamsters						
8. Rabbits			8		8	
9. Non-human Primates						
10. Sheep						
11. Pigs						
12. Other Farm Animals						
13. Other Animals					٠.	
		NAME 2				

#### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of ilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research
- 2). Each principal investigator has considered alternatives to painful procedures.

IONAL OFFICIAL

SEP 3 0 1999 This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the all such exceptions is attached to this annual report. In principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summery of addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exception USDA, APHIS. REAC, AC

4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterina ACAL MENTIFY (see the adequacy of other aspects of animal care and use.

#### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print).

DATE SIGNED

APRIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

EIZAD

1. REGISTRATION NO.

93-R-0367

Laris FORM APPROVED OMB NO. 0579-0036

MA

HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Code)

> Ixsys, Incorporated 3520 Dunhill Street San Diego, California

92121

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

sheets it necessary.) **FACILITY LOCATIONS (Siles)** vivarium - Ixsys Incorporated REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM 7023A) Number of C Number of Number of animals upon which teaching Number of animals upon F. animals being animals upon experiments, research, surgery or tests were which experiments, which teaching, **Animals Covered** bred. conducted involving accompanying pain or distress teaching, research, By The Animal conditioned, or to the animals and for which the use of appropriate research, TOTAL NO. surgery, or tests were

Welfare Regulations	held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	experiments, or tests were conducted involving no pain, distress, or use of pain- relieving drugs.	conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	0	O	0
5. Cats	0	. 0	0	0	0
6. Guinea Pigs	Ŏ	0	0	0	0
7. Hamsters	0.	0	· · · · · · · · · · · · · · · · · · ·	0	0
8. Rabbits	0	0 ·	. 0	0	0
9. Non-human Primates	0	0	. 0	0	0
10. Sheep	0	0	00	0	0
11. Pigs	0	00	0	0	0
12. Other Farm Animals	0	0	00	0	0
					,
13. Other Animals		0	0	0	0
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	1		1		

ASSURANCE STATEMENTS

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate see of animals, including approriate see of animals, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures.

This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions, as well as the specified and explained by the addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions, as well as the specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions are specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions, as well as the specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions, as well as the specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions, as well as the specified and explained by the Institutional Animal Care and Use Committee (IACUC).

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

## CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(b)(7)(c)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATÉ SIGNED

2 11/19/99

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

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1297

1. REGISTRATION NO.

FORM APPROVED Laris OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY lame and Address, as registered with USDA include Zip Codel

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these -purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** Sanfamoiseo, CH

REPORT OF ANIMALS USED BY OF	R UNDER CONTROL OF	RESEARCH FACILITY	(Altach adiditional sheets if ne	cessary or use APHIS FORM 7023A)	
A. Animals Covered : By The Animal Weltare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	O. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analysesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats				,	
6. Guinea Pigs					
7. Hamsters					
8. Rabbits			33		33
9. Non-human Primates				·	
10. Sheep					
11. Pigs					
12. Other Farm Animals	· .		:		
13. Other Animals					
					<u>n</u>
ASSURANCE STATEMENTS	*				

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of animals. analgesic, and tranquilizing drugs, pridr to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility. NOV 3 0 1999
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions, as well as the exceptions, this animals affected animals affected in addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the exceptions and include a provided in minals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

#### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIA

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

See reverse side for additional information interagency Report Control No 0180-DOA-AN

. UNITED STAT ANIMAL AND P	ES DEPARTMENT OF A LANT HEALTH INSPEC	GRICULTURE TION SERVICE	W THREGISTRATION	8º 93-R-0369	FORM APPI OMB NO 05	
	·	M you a	2. MEADQUARTER	RS RESEARCH FACILITY (Name and Added)	dress, as registered	with USDA.
ANNUAL REPOR	T OF RESEAR	. 四、NOT U CH FACILITY	PRIMA	TE PRODUCTS, -	INC.	
	PE OR PRINT)	BY:	7.780	NW 53 ST.		
			MIAMI	, FL 33166-9	4102	l
3. REPORTING FACILITY (List all lo sheets if necessary.)	ocations where animals	were housed or used	in actual research, testing, teac	hing, or experimentation, or held for the	se purposes. Attac	ch additional
siecis ii iidoossa.y,	······································	FAC	CILITY LOCATIONS (Siles)			
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SAME AS	ABOUE					
) THE MANNA	IEIMER I	FOUND., I	INC.			
REPORT OF ANIMALS USED BY OF	UNDER CONTROL OF	RESEARCH FACILITY				
A.  Animals Covered  By The Animal  Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teal experiments, research, surgery or tonducted involving accompanying to the animals and for which the islanesthetic, analgesic, or tranquiliz have adversely affected the procecinterpretation of the teaching, rese experiments, surgery, or tests. (An the procedures producing pain or animals and the reasons such drumust be attached to this report).	ests were g pain or distress se of appropriate ing drugs would dures, results, or arch, explanation of distress in these	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					<u> </u>	
5. Cats						
6. Guinea Pigs						
7. Hamsters			,			
8. Rabbits						
9. Non-human Primates	Ø	Ø	• Ø	d		¢
10. Sheep	,	,				
11. Pigs						
12. Other Farm Animals			, in the second	- <del>-</del>		
13. Other Animals				IN ETER		
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- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, and gesid, and transplaining drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.—
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending vetermarian for this research facility has appropriate authority to ensure the provision of adequate vetermary care and to oversee the adequacy of other aspects of animal care and use.

#### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

10-28-9

ORM 18-23 (OCT 88), which is disolete)

(AUG 91)

**ASSURANCE STATEMENTS** 

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 1300

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

ENDOCRINE TECHNOLOGIES, INC 35325 FIRCREST ST NEWARL, CA 24560

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

BIOLABS FACILITY LOCATIONS (Siles) VISTA, CA 92083 760-941-3430

REPORT OF ANIMALS USED BY	OR UNDER CONTROL OF	F RESEARCH FACILITY	(Attach adiditional sheets if n	ecessary or use APHIS FORM 702(IA.)	
A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research; experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	F.  TOTAL NO. OF ANIMALS  (COIS. C + D + E)
4. Dogs	N/A				NIL
5. Cats	N/A				NIL
6. Guinea Pigs	N/A				NIL
7. Hamsters	N/A			for telephone w/	NIL
8. Rabbits	70		,		70
9. Non-human Primates	MA		٠	29 Nov 99-00	WIL
10. Sheep	N/A				NIL
11. Pigs	NIA				NIL
12. Other Farm Animals	N/A				NIL
13. Other Animals	N/A				NIL
			·		•
					-
				a R R B I W G	
ASSURANCE STATEMENTS			11	クリー・ニー・コー	

1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilking drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this resarch Ideility NOV 2 6 1999

2). Each principal investigator has considered alternatives to painful procedures

3). This lacility is adhering to the standards and regulations under the Act, and it has required that exce principal investigator and approved by the Institutional Annual Care and these committee (IACUC). A summary of all such exceptions to the standards and approved by the Institutional Annual Care and Use Committee (IACUC). A summary of all such exceptions to dentifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions AS well be the species and number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

#### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

0

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

> The Dog Lodge 1551 W LAMbert Rd The LAHABRA, CA 90605

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these -purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Dog Lodge, 1551 W LAMBERIE LAHABRA, CA 90605 REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adjultional sheets if necessary or use APHIS FORM 7023A.) B. Number of C Number of D. Number of animals upon animals being animals upon which experiments, experiments, research, surgery or tests were which teaching, Animals Covered bred. conducted involving accompanying pain or distress leaching, research, By The Animal conditioned, or to the animals and for which the use of appropriate research. surgery, or lests were TOTAL NO. Welfare Regulations held for use in experiments, or conducted involving anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS teaching, testing, tests were have adversely affected the procedures, results, or accompanying pain or experiments, conducted interpretation of the teaching, research, distress to the animals research, or involving no and for which appropriate experiments, surgery, or tests. (An explanation of (Cols. C + D + E) surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or yet used for such use of painanimals and the reasons such drugs were not used tranquilizing drugs were purposes. relieving drugs. must be attached to this report). 4. Dogs 102 Cats 94 Guinea Pigs Hamsters Rabbits Non-human Primates 10. Sheep Pigs 12. Other Farm Animals 13. Other Animals **ASSURANCE STATEMENTS** Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of ane nicirluas, prior to, durina. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures

NOV - 3 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the This facility is adhering to the standards and regularithis under the Act, and it has equired that exceptions of the standards and regularithis under the Act of the institutional Annual Care and Use Committee (IACUC). A summary draft such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well such as a section of the exceptions, as well such as a property of the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well such as a section of the exceptions. The IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well such as a section of the exceptions and management of the exceptions are reported by the exception of the exceptions are reported by the exception of the exc

The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary case and the attending veterinary case attending veterinary case and the attending veterinary case and the attending veterinary case at the attending veterina 4)

> CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



NAME & TITLE OF CEO. OR INSTITUTIONAL OFFICIAL (Type

DATE SIGNED

10-31-99

PAGE

2/4

This report is required by how (A USE ZI OUR EDUCATION DETERMED AS provided for in Section 2158 result in an order to coase and desist and to be subject to princilles as provided for in Section 2158 UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 93-R-0372 Laria OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA ICHOR MEDICAL SYSTEMS

3550 CTENERAL ATOMICS CT, #2-333 SAN DIEGO, CA 92121-1122

3, REPORTING FACILITY (List oil locations where assimals were housed or used in actual research, testing, teaching, or sheets of incressary)

FACILITY LOCATIONS (SHEET) SAME AS ABOVE

Animuls Covered By The Ansmal Wellare Regulations	B: Number of- animals being bred, conditioned, or held for use vi- teaching, testing, experiments, research, of- surgery but not yet used for such purposes.	G Number of partials upon which teaching, rescarch, experiments, or lests were conducted involving no pain, distress, or use of pain, returning drugs.	On Number of assemble upon which experiments, teaching, research, surgery, or tests were conducted involving accompleying pain or durress to the animals and for which appropriate anestheric, analysistic, or tranquilizing dauge were used.	Emissive of use APRIS FORM 7020A1  E. Number of animals upon which teaching, experiments, research, surjety or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate assistance, assignate, not transplaying grings would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, Surgery, or tests, (in explanation of the procedures producing pain or detress in these animals and the reasons such drugs were not used must be attached to this report.	TOTAL NO. OF ANIMALS (Cols. C + D-+ E)
4. Dogs	0				0
5. Cats	0				0
6. Guinea Pigs	0		<u> </u>		0
7. Hamsters	0			-	0
8. Rabbits	<u> </u>				0
9. Non-human Primates	0				0
10. Sheep	<u> </u>		1 .		0
11. Pias	! 0	<del> </del>			
12. Other Farm Animais	1 0				1
13. Other Animals					0
13. Out AIRING					-
					<u> </u>
		F			<b>.</b> _

#### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approvals rise of anesthetic, analgesic, and trenquissing daugh, pace to, during and following actual research, teaching, segling, surject, or expensionalizes were followed by this research lacking.
- 2) Both principal entertripator has consistered alternatives to painful procedures
- This liability is uthering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal constitution for an approved by the institutional Amenic Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In principal constitution to identifying the IACUC-approved exceptions, this summary includes a brief explaination of the enterprise, as well as the species and complex of institution to identifying the IACUC-approved exceptions, this summary includes a brief explaination of the enterprises, as well as the species and complex of institution to identifying the IACUC-approved exceptions.

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	CERTIFICATION BY HEADQUARTES (Chief Executive Officer or Lagally Esertly mat the Joure is true, correct, a	lesponsible Institutional (	)([tclat)	
SIGNATURE OF		ITLE OF C.E.O. OR INSTITUTIONAL		11/23/99
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NOV 2 6 1999

USDA, APRIS, REAC, AC SACRAMENTO, CA

1305

1. REGISTRATION NO. 93-R-0375

FORM APPROVED OMB NO. 0579-0036

 HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

# ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

10630 John Jay Hopkins Drive

The Neurosciences Institute 10640 John Jay Hopkins Drive San Diego, CA 92121

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary) 10630 John Jay Hopkins Drive, San Diego, CA 92121 (The Neurosciences Institute)

**FACILITY LOCATIONS (Siles)** 

San Diego, CA 92121 REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adictional sheets if necessary or use APHIS FORM 7023A.) Number of E. Number of animals upon which teaching, C Number of D. Number of animals upon animals being experiments, research, surgery or tests were animals upon which experiments, **Animals Covered** bred. conducted involving accompanying pain or distress which leaching, teaching, research, conditioned, or By The Animal research. to the animals and for which the use of appropriate surgery, or tests were TOTAL NO Welfare Regulations held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS conducted involving teaching, testing, tests were have adversely affected the procedures, results, or accompanying pain or experiments, conducted interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of distress to the animals research, or involving no (Cols. C + D + E) and for which appropriate surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or yet used for such use of painanimals and the reasons such drugs were not used tranquilizing drugs were purposes. must be attached to this report). relieving drugs 4. Dogs 5. Cats 6. Guinea Pigs Hamsters 8. Rabbits 9. Non-human Primates 0 3 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of anesthetic, analgesic, and tranquilizing drugs, prior to during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this animal report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the specific approved exceptions.
- 4) The attending vetermarian for this research facility has appropriate authority to ensure the provision of adequate vetermary care and to oversee the adequacy of other accepts of animal care and use.

(Chief	Executive Officer of	QUARTES RESEARCH FACILITY OFFICIAL r Legally Responsible Institutional Official) rue, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	(b)(b) (b)(7)(c)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)  (M) (G) (D) (T) (C)	10/4/99

APHIS FORM 7023 princes VS FORM 18-23 (OCT 88), which is obsolete (AUG 91)

ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO. 351

FORM APPROVED OMB NO 0579-0036 / J

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Code)

LIGAND Pharmaccuticals Inc. 10255 Science Centre Drive San Diego, CA

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

		FAC	CILITY LOCATIONS (Siles)		
10255 501	anna C	entre.	DC	•	
-1000.30 3C	ence a	Jule .			
san Wear	Y. (3.4	42121		•	
REPORT OF ANIMALS USED BY OF	R UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A.)	
Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	,				
5. Cats					
6. Guinea Pigs					
7. Hamsters		12	1		12
8. Rabbits		22			22
9. Non-human Primates			•	·	
10. Sheep					
11. Pigs					
12. Other Farm Animals		-		,	
13. Other Animals				,	
		•			
ASSURANCE STATEMENTS				1.77	
and following actual researc  2) Each principal investigator h	h, teaching, testing, su has considered alternati he standards and regula	rgery, or experimentatives to painful procedu tions under the Act, ar	on were followed by this resear res id it has required that exceptio	ate use of anesthetic, analgesic, and tranquilizing drugs, prich facility.	

- principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is affached to this admual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

	Chief I	Executive Officer or I	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE	IAL	(b) (b)	NAME AND (Type or Print)	DATE SIGNED
		[b)(7)(c)	(D(G) (D) (F) (C)	10/7/99
APHIS FORM	Properties VS FORM 1	8-23 (OCT 88), which is o	bsolete )	

(AUG 91)

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1332

1. REGISTRATION NO.

93-R-0378

TORM APPROVED A

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

## ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Selective Genetics, Inc. 11035 Roselle Street San Diego, CA 92121

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles) 11035 Roselle Street 92121 San Diego, CA REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach admittional sheets if necessary or use APHIS FORM 7023A) B. Number of C Number of D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments. **Animals Covered** conducted involving accompanying pain or distress bred, which leaching, teaching, research, By The Animal conditioned, or research, to the animals and for which the use of appropriate surgery, or tests were TOTAL NO. Welfare Regulations held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would conducted involving OF ANIMALS teaching, testing, have adversely affected the procedures, results, or tests were accompanying pain or interpretation of the teaching, research, experiments, conducted distress to the animals experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these research, or involving no (Cols. C + and for which appropriate surgery but not pain, distress, or D + E) anesthetic, analgesic, or animals and the reasons such drugs were not used vet used for such use of paintranquilizing drugs were purposes. relieving drugs must be attached to this report). used Dogs Cats Guinea Pigs Hamsters Rabbits 198 198 Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals ASSURANCE STATEMENTS Inl Professionally acceptable standards governing the care, treatment, and use of animals, including approrate use of d tranquilizing drigs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility 30 2). Each principal investigator has considered alternatives to painful procedures. This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified an explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions as well as used as used as used an animals affected.

The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care. 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standard 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary animal care and use. CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL. (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL DATE SIGNED

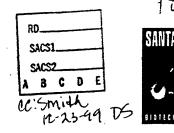
(AUG 91)

(Heplaces VS FORM 18-23 (OCT 88); which is obsolete )

& Operations

Santa Cruz Biotechnology, Inc.

93R0380



Tuesday, December 21, 1999

Robert M. Gibbens, D.V.M.
Director – Animal Care
Western Region
Animal and Plant Health Inspection Service
United States Department of Agriculture
9580 Micron Ave., Suite J
Sacramento, CA 95827
916-857-6205 (Tel)
916-857-6212 (Fax)

RE: 1999 Annual Report, Registration/License No.: 93-R-0380/B-0192

Dear Dr. Gibbens:

Please revise the 1999 Annual Report of Research Facility (Aphis Form 7023) dated October 5, 1999 submitted by Santa Cruz Biotechnology, Inc. (Registration/License No.: 93-R-0380/B-0192) as follows:

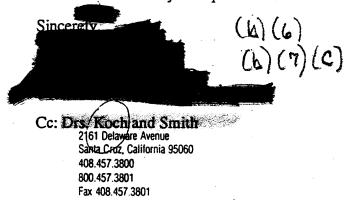
Line 12: Change the number of goats in column D from nine to zero and change the number of goats in column E from zero to nine.

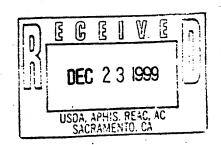
Line 12: Change the number of donkeys in column D from two to zero and change the number of donkeys in column E from zero to two.

Drs. Koch and Smith requested that I make these revisions during their inspection of our facility on December, 7, 1999 for the following reasons: The procedure producing pain or distress in these animals involved treatment of abscesses induced by immunization procedures. Most abscesses were treated following their spontaneous rupture. Fluids were expressed manually by applying brief pressure around the lesion. Lesions were irrigated with antiseptic and then a topical antiseptic was applied. In one case (goat), an abscess was ruptured by making a small incision with a sterile scalpel blade. The lesion was then treated with antiseptic as described above. No analgesic or anesthetic was used.

Lidocaine will now be used for relieving pain or distress before immunization-induced abscesses are treated. Animals treated in this way will be listed in category D. Drugs had not been used previously in these cases because the procedures introduced only slight pain or distress and no other adverse affects on the animals had been observed either during or after treatment.

Please contact me if you require additional information.





1. REGISTRATION NO. 1344

FORM APPROVED OMB NO 0579-0036 [1]

### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

SANTA CRUZ BIOTECHNOLOGY INC. 2161 DELAWARE AVE. SANTA CRUZ, CA 95060

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)

5322 COAST ROAD #1 SANTA CRUZ CA 95060

REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	F RESEARCH FACILITY	Y (AHarb. ) 3	ecessary or use APHIS FORM 7023A.)	
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquitizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					·
5. Cats			·		
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep			· .		
11. Pigs	·				
60ATS 12. Other Farm Animals	6	1645	9		54
DONKEYS	0	7013	2	0	1660
13. Other Animals				. 0	7
				- 17 (1 mm)	
ASSURANCE STATEMENTS				Milit CCT - 8 1.1	7 *

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approxiate use of anesthetic, analogistic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

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CERTIFICATION BY HEADOLLAD	TES RESEARCH FACILITY OFFICIAL
THE STATE OF THE S	LES KESEARCH FACH ITV ARRICIAL
(Chief Evenutive Off	ly Responsible Institutional Official)
Cinci Executive Officer or Legal	ly Responsible Indiana and Orest and
	o responsible insulutional Official)

Learnity that the above is true, correct, and complete (7 U.S.C. Section 2143)

INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type)

DATE SIGNED

SIGNATURE

See reverse side for additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 93-R-0381

FORM APPROVED
OMB NO. 0579-0036

 HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) Tularik Inc.
2 Corporate Drive
South San Francisco CA 94080

3. REPORTING FACILITY (Lispall locations where animals were housed or used in actual research, testing, teaching, of experimentation, or held for these purposes. Attach additional sheets it necessary) Tularik Inc. Pharmacology and Preclinical Development Department

FACILITY LOCATIONS (Siles)

2 Corporate Drive

South San Francisco, CA 94080

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or fests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	0				
5. Cats	. 0				
6. Guinea Pigs	0				
7. Harnsters	.0		520		520
8. Rabbits	0		40		40
9. Non-human Primates	0				
10. Sheep	0				
11. Pigs	0				
12. Other Farm Animals	0 -				
13. Other Animals	N/A			<del>(</del>	
	·			DE GENVED	

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of presthet professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of presthet professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of presthet professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of presthet professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of presthet professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of presthet professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of presthet professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of presthet professional profes
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations of an explained by the principal investigator and approved by the Institutional Annual Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and minute of annuals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(b)(b)(7)(c) (Chief Executive Officer or I.	JARTES RESEARCH FACILITY () FFICIAL egally Responsible Institutional () (fficial) () correct, and complete (7 USC Section 2143)	
SIGNATURE OF WELL THOUGH OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED 10/11/9

APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(b)(b), (b)(7)(c)

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 93-R-0382 Laris FORM APPROVED OMB NO. 0579-0036 M S

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Phoenix Pharmaceuticals Inc.

Phoenix Pharmaceuticals, Inc. 2438 Wyandotte Street Mountain View, CA 94043

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

#### REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adictional sheets if necessary or use APHIS FORM 7023A.) B. Number of Number of Number of animals upon which teaching, D. Number of animals upon animals being animals upon experiments, research, surgery or lests were which experiments, **Animals Covered** bred. which teaching, conducted involving accompanying pain or distress teaching, research, surgery, or tests were By The Animal conditioned, or to the animals and for which the use of appropriate research, TOTAL NO. held for use in Wellare Regulations experiments, or anesthetic, analgesic, or tranquilizing drugs would conducted involving OF ANIMALS teaching, testing, lesis were have adversely affected the procedures, results, or accompanying pain or distress to the animals experiments, conducted interpretation of the teaching, research, involving no research, or experiments, surgery, or tests. (An explanation of and for which appropriate (Cois. C + D + E) surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or yet used for such use of painanimals and the reasons such drugs were not used tranquilizing drugs were purposes. relieving drugs. must be attached to this report). used. 4. Dogs Cats Guinea Pigs Hamsters Rabbits 75 75 Non-human Primates Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals 1300 AFFIS **ASSURANCE STATEMENTS**

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending vetermarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

	Executive Officer or	QUARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) ne, correct, and complete (7 USC Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	(b)(4) (b)(7)(c)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)	DATE SIGNED 10/19/99

APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolete)

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Codel

Cortex Pharmaceuticals, Inc. 15241 Barranca Parkway 92618 Irvine, CA

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

92618 15241 Barranca Pkwy, Irvine,

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs		,	٠.		
5. Cats					
6. Guinea Pigs					
7. Hamsters				Per telephone	
8. Rabbits		2	·	W	$\mathcal{L}$
9. Non-human Primates	·			22 Dec 99 - 10	
10. Sheep				(b)(c) (b)(r)(c)	
11. Pigs					
12. Other Farm Animals					
13. Other Animals				•	
	·				
				TO RORING	<del></del>

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic revalgesic, and tranquilizing drugs, prior to dering, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and summary of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary.caxe, and to oxersed the attenuage of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )

APHIS FORM 7023 (AUG 91)

PART 1 - HEADQUARTERS

DATE SIGNED

9330

1. REGISTRATION NO. 93-R-0383

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Cortex Pharmaceuticals, Inc. 15241 Barranca Parkway Irvine, CA 92618

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

15241 Barranca Pkwy, Irvine, CA 92618

A	B. Number of animals being	C Number of animals upon	D. Number of animals upon	E. Number of animals upon which teaching, experiments, research, surgery or tests were	F.
Animals Covered By The Animal Welfare Regulations	bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	TOTAL NO. OF ANIMAL: (Cols. C + D + E)
4. Dogs					
5. Cats				,	
6. Guinea Pigs					
7. Hamsters			i,		
8. Rabbits		2		s projection of the second	2
9. Non-human Primates					·
10. Sheep				NOT A FOIA DELETION	
II. Pigs					
12. Other Farm Animals				-	
13. Other Animals					· · · · · · · · · · · · · · · · · · ·
					· · · · · · · · · · · · · · · · · · ·
-					
				M B B B W B D	

1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures.

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such acceptable is a lack and the animal same are port. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the provided in this provided in the provided in the provided in the exceptions.

4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

1 certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11-22-99

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

(b)(b), (b)(r)(c)

PART 1 - HEADQUARTERS

1. REGISTRATION NO. 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA.

FORM APPROVED

OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

TURU 950 Dolan Rd Castroville, CA

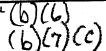
3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

		FAC	CILITY LOCATIONS (Siles)		
950 Dolan	Rd				
Castroville,	CA 95012				
RE ORT OF ANIMALS USED BY	OR UNDER CONTROL OF	RESEARCH FACILITY	' (Attach adiditional sheets if ne	cessury or use APHIS FORM 7023A.)	
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs			1		
7. Hamsters					11000
8. Rabbits	Ø	450	, Ø	Ø	450
9. Non-human Primates			•		
10. Sheep					
11. Pigs					<del> </del>
12. Other Farm Animals				•	
13. Other Animals					
·					<b>.</b>
ASSURANCE STATEMENTS	1			1131	
Professionally acceptable     and following actual reso	e standards governing the earch, teaching, testing, su	care, treatment, and i irgery, or experimenta	use of animals, including appro- tion were followed by this resear	riate use of anesthetic, Nagesic, and tigggizing drips.	prior to, during,
2). Each principal investigal	tor has considered alterna	tives to painful proced	ures	1152) 12110 1550	
principal investigator an addition to identifying th	id approved by the Institut he IACUC-approved except	ional Annhai Care and tions, this summary inc	cludes a brief explanation of the	ons to the standards and regulations he specified and exp immary of all such exceeding its standard to this and exceptions, as well as the species and number of ammens	affected.
4) The attending veterinaria	an for this research facility	has appropriate auth	ority to ensure the provision of	adequate veterinary care and to oversee the adequacy of o	other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 93-R-1

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zin Code).

include Zip Code) ENCOLL CORP.

CPREVIOUSLY NOVAGEN IN)

5686 Geranium ct. Newark, CA-94560

(use this address for all correspondence

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

3657 Edison Way, unit #5 FREMONT- CA 94578

A.		B. Number of	C Number of	f (Attach adiditional sheets if ne	E. Number of animals upon which feaching,	<del></del>
	Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain- relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	TOTAL NO OF ANIMAL:  (COIs. C + D + E)
4. Do	gs	,			/	
5. Ca	ts					
6. Gu	inea Pigs					
7. Ha	msters			,		
8. Ra	bbits					
9. No	n-human Primates					
10. Sr	eeo			7		
11. Pic	18			70	<u> </u>	
12. Ot	her Farm Animals					
13. Ot	her Animals					
			·	[[6]]	E G E II W R D	1.

- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions of the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

# CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O.

(b)(c) (b)(?)(c)

NAME & TITLE OF CEO OF INSTITUTIONAL OFFICIAL TYPE

DATE SIGNED

See reverse side for additional information. Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

RESEARCH SITE:

1 REGISTRATION NO. 153

ANIMAL SITE:

400 SIMS ROAD

FORM APPROVED 2115 OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

PALCO LABS, INC. ANNUAL REPORT OF RESEARCH FACILITY 8030 SOQUEL AVENUE (TYPE OR PRINT) SANTA CRUZ, CA 95062

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional **FACILITY LOCATIONS (Sites)** 

#### 411 LAUREL STREET SANTA CRUZ, CA 95060 SANTA CRUZ, CA REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adictional sheets if necessary or use APHIS FORM 7023A) Number of animals upon which teaching, Number of A C Number of D. Number of animals upon experiments, research, surgery or lests were animals being animals upon which experiments. conducted involving accompanying pain or distress to the animals and for which the use of appropriate bred. which leaching, **Animals Covered** teaching, research, conditioned, or TOTAL NO. By The Animal research, surgery, or lests were anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS held for use in experiments, or Welfare Regulations conducted involving have adversely affected the procedures, results, or teaching, testing, lesis were accompanying pain or interpretation of the teaching, research, experiments, conducted distress to the animals experiments, surgery, or tests. (An explanation of (Cols. C + D + E) research, or involving no and for which appropriate the procedures producing pain or distress in these pain, distress, or surgery but not anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. used. 4. Dogs Cats 5. Guinea Pigs Hamsters Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 4 4 GOATS 13. Other Animals

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anestheric, analgesic, and tranquilizing drugs, price to aduring, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations are required that exceptions is attached to this annual report. In
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and @@@esectibe attenuacy.of other aspects of animal care and use.

	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
11/1/11	(Chief Executive Officer or Legally Responsible Institutional Official)
(W/G) (b)(7)(C)	the above is true, correct, and complete (7 U.S.C. Section 2143)
INICAL COLLINE	

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91)

SIGNATURE OF CEO OR INSTITUTIONAL

**ASSURANCE STATEMENTS** 

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

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Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 687

FORM APPROVED

OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Codel

House Ear Institute 2100 West Third Street Los Angeles, CA 90057

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

cean View Pavilion Biomed. Res. Facilit

OPBRF-2222 West Ocean View

Los Angeles, CA 90057

<u> House Ear Institute</u>

2100 W. 3rd Street

Los Angeles, CA 90057

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	0	00	. 0	0	
5. Cats	00	0	0	0	0
6. Guinea Pigs	11	145	Ο ;	0	145
7. Hamsters	0	8	. 0	0	8
8. Rabbits	0	0	0	0	0
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs				<u>-</u>	
12. Other Farm Animals					
Chicks	0	0	0	` 0	0
13. Other Animals					:
Chinchillas	3	43	0	0	-43
Gerbils	0	00	0	0	0
ASSURANCE STATEMENTS					

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquitizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of aritimals attached.

The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspect animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Priph) A to

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 787

FORM APPROVED OMB NO. 0579-0036 V 1

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

OED Buscience Inc. 11021 VIa Frontera # 203

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

sileers if necessary.)					a distribution of the second o
		FA	CILITY LOCATIONS (Siles)		
1649 Griffi	th Road				
Ramona C	a 9200				<del> </del>
REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	F RESEARCH FACILITY	f (Attach adiditional sheets if i	necessary or use APHIS FORM 7023A.)	
A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or dist to the animals and for which the use of appropranesthetic, analysis, or tranquilizing drugs wo have adversely affected the procedures, results interpretation of the teaching, research,	of (Cols. C
4. Dogs					
5. Cats		,			
6. Guinea Pigs					
7. Hamsters			\		
8. Rabbits	0	103	0	0	102
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
	·				
ASSURANCE STATEMENTS					
Professionally acceptable sta and following actual research	indards governing the c	are, treatment, and us	e of animals, including approri	ate use of anesthetic analysis, and tranquilizing dru	gs, prior ld, during,
2). Each principal investigator ha	3	5,, opo		SEP 2 Top	
<ol> <li>This facility is adhering to the principal investigator and apparent addition to identifying the IAC</li> </ol>	standards and regulat proved by the Institution CUC-approved exception	ions under the Act, and nat Animal Care and U ins, this summary inclu	d it has required that exception se Committee (IACUC). A sum des a brief explanation of the	ns to the standards and regulations be specified and e nmary of all such exceptions is attached to this a exceptions, as well as the species தெடும்மாழ் உருமாயு	explained by the nnual report. In this affector
The attending veterinarian for animal care and use.	this research facility h	as appropriate author	ty to ensure the provision of a	dequate vetermary care and to oversed the 5dequacy	of other aspects of
	CERTIFICA	TION DV HEAD	OHA DEPR DECEADO		

S RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FOR 23 (OCT 88), which is obsolete)

L OFFICIAL

Nev.

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

(TYPE OR PRINT)

1. REGISTRATION NO. 93-R-0390

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

ANNUAL REPORT OF RESEARCH FACILITY

ANNUAL REPORT OF RESEARCH FACILITY

Amylin Pharmacenticals 9373 Towne Centre Dr # 250 San Digozo, CA 97120

					<b>V</b>	100		
3. REPORTING FACILITY (List all sheets if necessary.)	locations where animals	were housed or used i	in actual rese	earch, festing, feac	ching	g, or experi	mentation, or held for these purposes. Atta	ch additional
		FAC	CILITY LOCA	TIONS (Siles)				
						•		
REPORT OF ANIMALS USED BY O	OR UNDER CONTROL OF	F RESEARCH FACILITY	f (Allach adio	itional sheets if ne	eces	sary or use	APHIS FORM 702'3A.)	
A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no	which exteaching surgery, conduct accomp distress	of animals upon operiments, g, research, or tests were ed involving anying pain or to the animals		experime conducte to the an anestheti have adv interpreta	of animals upon which teaching, ints, research, surgery or tests were di involving accompanying pain or distress imals and for which the use of appropriate ic, analgesic, or tranquilizing drugs would ersely affected the procedures, results, or ation of the teaching, research, ints, surgery, or tests. (An explanation of	TOTAL NO. OF ANIMALS

Animals Covered By The Animal Wellare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats	1				
6. Guinea Pigs					
7. Harnsters					
8. Rabbits			46	·	46
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals		,			
13. Other Animals					
				-	
ASSURANCE STATEMENTS				11971	

1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

,				€.			FICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL of Executive Officer or Legally Responsible Institutional Official)
(b) (c	1.0	h	1	7	1	(Cine	I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)
CICHATURE							NAME A TITLE OF A COMMONWATIONAL OFFICIAL IT

NAME & TITLE OF C.E.O. OR THOU THE ONAL OFFICIAL Type or Print)

DATE SIGNED

APHIS FORM 7023 (APPRIAGE (AUG 91)

8-23 (OCT 88), which is obsolete)

(b)(c), (b) (7) (c

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 93 - R-0391

OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

AVIRON 297 North Bernardo Ave Mountain View, CA 94093

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these -purposes. Attach additional sheets if necessary.)

Aviron - Mountain View

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO.  OF ANIMALS  (COIS. C +  D + E)
4. Dogs					
5. Cats	·	4			
6. Guinea Pigs	Ø	Ø	3 (	Ø	31
7. Hamsters			· ·		
8. Rabbits			,		
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
Ferrets	8	423	0	Ø	423
cotton rats	- Ø-	381	Ô	<i>O</i>	381
					17.5

#### SSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Annual Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of migrals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy/of other aspects of animal care and use.

	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(b)(b) (b)(7)(c)	(Chief Executive Officer or Legally Responsible Institutional Official)  Togettly that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

500199

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(b)(b), (b)(?)(

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

places VS FORM 18-23 (OCT 88), Which is

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

1743

1. REGISTRATION NO.

93-R-0393

FORM APPROVED
OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

ZYMED LABORATORIES INC

45E CARLTON CT.

SOUTH SAN FRANCISCO, CA 94050

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these -purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	' (Altach adiditional sheets if ne	cessury or use APHIS FORM 7023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	N/A				
5. Cats	NIA	,			
6. Guinea Pigs	N/A				
7. Harnsters	NA		:		
8. Rabbits	N/A				
9. Non-human Primates	N/A				
10. Sheep	N/A				
11. Pigs	N/A				
12. Other Farm Animals	N/A				-
13. Other Animals					
Mi ce	500	5°C	N/A		500
				THE SELVEN	
ASSURANCE STATEMENTS				the use obtaines their analogue, and tranquilizing drugs in	:

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of anisthetic, analgesic, and tranquilizing drugs, prior to, during and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending vetermarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(Chief Executive Officer o	QUARTES RESEARCH FACILITY OFFICIAL ir Legally Responsible Institutional Official) rue, correct, and complete (7 USC Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTION OF OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED 11/29/99

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 73-R-0394

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) WESTARR BIO-PRODUCTS 1318 HERMES CT SANDIEGO CA 92159

<ol> <li>REPORTING FACILITY (List all locations where animals sheets if necessary.)</li> </ol>	s were housed or used in actual research, testing,	teaching, (	or experimentation, or held for these purposes.	Attach additional
	FACILITY LOCATIONS (Siles)	<del></del>		

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM 7023A')

A.

B. Number of animals being animals upon which teaching, experiments, research, surgery or tests were priments.

A. Animals Covered : By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	8	<b>O</b>	0		Ø
5. Cats	<u> </u>	<del>-0-</del>	0	<u> </u>	Ø
6. Guinea Pigs	<del>-0-</del>		0	-0	Ø
7. Hamsters	<del>-0)</del>	<del>(</del>	0	<del>-()-</del>	0
8. Rabbits	0	$\bigcirc$	<b>(</b>	-(*)	B
9. Non-human Primates	0	<b></b>	-0	-0	Ø
10. Sheep	0	<del></del>	0	-0-	0
11. Pigs	0		<u> </u>	<u> </u>	Ø
12. Other Farm Animals	<del>-()</del> -			0	Ø
					(X)
13. Other Animals	<b>4</b>	4	0	<del>()</del>	Ø.
					•
		·			
ASSUBANCE STATEMENTS					·

ASSURANCE STATEMENTS

Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, feaching, testing, surgery, or experimentation were followed by this research facility.

2) Each principal investigator has considered alternatives to painful procedures

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations to the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions at the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as INTERPRETED TO animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(b)(b) (b)(r)(c) "	RTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL Chief Executive Officer or Legally Responsible Institutional Official) Legally that the above is true, correct, and complete (7 USC Section 2143)	
SIGNATURE OÈ CE O OR INSTITUTIONN	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
APHIS FORM 7023 (Buplaces VS I	TOPM 18 22 VOCT 881 which is observed.	

APH 5 FORM 702 (AUG 91) Replaces VS FORM 18-23 (OCT 88), which is obsolete

(b)(4), (b)(7)(c)

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zin Codel

Genetronics, Inc. 11199 Sorrento Valley, Rd. -San Diego, CA 92121-1334

ANNUAL	REPORT OF RESEARCH FACILITY	
	(TYPE OR PRINT)	

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

DEPORT OF ANIMAL SUSER BY	AR LINGER CONTROL OF	DECEMBEN ENCLUIT	/ /Attach whitenul charted as	cessary or use APHIS FORM 7023A.)	
A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					9
5. Cats					0 .
6. Guinea Pigs					0
7. Harnsters			:		0
8. Rabbits				·	0
9. Non-human Primates			·	·	0
10. Sheep				·	0
11. Pigs					0
12. Other Farm Animals	•				0_
				·	0
13. Other Animals					0
					0
					D
					0
ASSURANCE STATEMENTS				11. 13 15 15 11 11 15 1. 11	

	_			
ASSI	JRAI	NCE	<b>STATEMENTS</b>	

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use beginning the care. and following actual research, teaching, testing, surgery, or experimentation were followed by this research fac-
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well-as a summary includes a brief explanation of the exceptions, as well-as a summary includes a brief explanation of the exceptions. The additional formal is affected.

  4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary included the adequacy of other aspects of
- anunal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Ficertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

TITLE OF CEO. OR INSTITUTIONAL OFFICIAL

DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

and tranquitzing drugs, prior to, during,

18 1999

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 1750

FORM APPROVED OMB NO 0579-0036 K

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

## ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Miravant Pharmaceuticals, Inc 336 Bollay De 93117 Santa Barbara, Ca

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

Biology Department REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adultional sheets if necessary or use APHIS FORM 7023A.) Number of E. Number of animals upon which teaching, C Number of D. Number of animals upon experiments, research, surgery or tests were animals being animals upon which experiments, **Animals Covered** bred. which leaching, conducted involving accompanying pain or distress teaching, research, conditioned, or to the animals and for which the use of appropriate By The Animal research. TOTAL NO. surgery, or tests were Wellare Regulations held for use in anesthetic, analgesic, or tranquilizing drugs would experiments, or conducted involving OF ANIMALS teaching, testing. lests were have adversely affected the procedures, results, or accompanying pain or distress to the animals experiments, interpretation of the teaching, research. conducted research, or involving no experiments, surgery, or tests. (An explanation of and for which appropriate (Cols. C + D + E) surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were purposes. must be attached to this report). relieving drugs. Dogs Cats Guinea Pigs 481 Hamsters 165 8. Rabbits 132 33 Non-human Primates 10. Sheep 11. Pigs Other Farm Animals 13. Other Animals **ASSURANCE STATEMENTS** 11:11 Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of an pjiorto, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility 2). Each principal investigator has considered alternatives to painful procedures 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such excepting addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the s The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

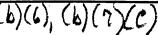
Miravant Medical Technologis

APH

SIGNATUR

animal care and use

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)



UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

1. REGISTRATION NO 93-R-0397

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

B.Braun Medical Inc.

2525 McGaw Ave.

Irvine, CA 92614

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

BTC building

FACILITY LOCATIONS (Siles)

		F RESEARCH FACILITY	f (Altach adiditional sheets if ne	cessury or use APHIS FORM 702(IA.)	
A.  Animals Covered  By The Animal  Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or fests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (COIS. C + D + E)
4. Dogs		·	2		2
5. Cats			1	, , , , , , , , , , , , , , , , , , , ,	1
6. Guinea Pigs	37	108	157	2,308	2,573
7. Hamsters					
8. Rabbits		1,035	378		1,413
9. Non-human Primates					
10. Sheep		2	17	·	19
11. Pigs	5		42		42
12. Other Farm Animals					
Mice	53	8,140	5,548		13,688
13. Other Animals					
Rats		324	98	57	479
			• • •		
ASSURANCE STATEMENTS				100	

Professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of ahesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility:

2). Each principal investigator has considered alternatives to painful procedures

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this animal report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
12/6	(Chief Executive Officer or Legally Responsible Institutional Official)
• \	Legitly that the above is true, correct, and connoton (7.11.5.0) See non-2140

Learnity that the above is true, correct, and complete (7.0.S.C. Section 2143)

DATE SIGNED

11/29/99

APHIS FORM 7023 (AUG 91)

SIGNATURE OF C

meplaces vs for (OCT 88), which is obsolete )

(b)(b)(b)(2)(c)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

93R0397

E G E I N E

DEC - 2 1999

# Optional Column E Explanation Form

• '		i.	
1. Registration Number: _	93-R-0397		
2. Number 57		of animals used in this study.	
3. Species (common name)_	Rats	of animals used in this study.	
4. Explain the procedure p	oroducing pai	n and/or distress.	
Animals were used in	an acute to	xicology limits test.	
elieved. State methods or i	means used to	in and/or distress could not be determine that pain and/or distress or Federally mandated testing, see	
rotocol was an FDA requ	irement. The	e interaction of the test article	
		, thus to avoid introducing unpre	
onfounding variables in	to the study	y, analgesics were not used.	

CFR

Agency

93 R0397

# Optional Column E Explanation Form

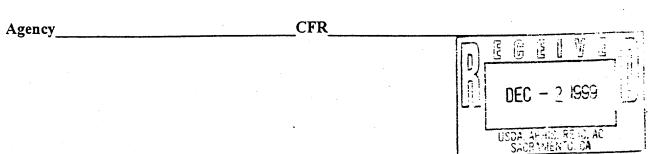
This form is intended as an aid to completing the Column E explanation. It is <u>not</u> an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists.

		<b>i.</b>	
1. Registration Number: _	93-R-039	7	
2. Number 2,308		_of animals used in this study.	
3. Species (common name)_	Guinea Pigs	_of animals used in this study.	
4. Explain the procedure p	roducing pain a	nd/or distress.	
Animals developed les	ions associate	d with Freund's complete adjuvant	
injected intradermall	у.		
,			

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see question 6 below)

It is unknown whether or not analgesics will interfere with this test. Freund's adjuvant was used per the FDA guidance document and ISO10993. A validation is scheduled for fiscal year 2000 to evaluate both the impact of analgesics on the current protocol outcome, as well as alternative adjuvants which might be substituted for Freund's.

6. What, if any, federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):



UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 161

1. REGISTRATION NO.

TATS FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Comparative Biosciences Inc 2672 Bayshure Parkindy, Ste. SIS Mountain View, CA 94043

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these -purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

2375 Garcia Aug Mtn. View

JNDER CONTROL OF	RESEARCH FACILITY	(Altach adiditional sheets if ne	cessary or use APHIS FORM 7023A.)	
B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
.'				0
				0
		7.10.11.4	Pertelephone W	0
		\		0
2	81	57	3 Dec 99 0 13	619
			(b) (b) (b) (7)(c) - a)	0
			· ·	0
			NOT A FOIA DELETION	C
				<u> </u>
			*	
		·		
	3. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	A. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.  C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.  C Number of animals upon which experiments, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.  D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving na accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	animals being bred, conditioned, or held for use in teaching, research, experiments, or teaching, tests were conducted involving no surgery but not yet used for such purposes.  Animals upon which experiments, research, surgery or tests were conducted involving no accompanying pain or distress to the animals and for which the use of appropriate animals and for which appropriate animals and for which the use of appropriate animals and for which the use of appropriate animals and for which appropriate animals and for which the use of appropriate animals and for which the use of appropriate animals upon the procedures, the procedure producing pain or distress to the animals upon the procedures, the procedure producing pain or distress. An appropriate animals and for which the use of appropriate animals and for the procedure producing pain or distress. An appropriate animals and the reasons such drugs animals and the reas

### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures

TITUTIONAL OFFICIAL

- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explanated by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to the sampler of animals affected.

  addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarion for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use

CERTIFICATI	ON BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Exec	utive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL &

olgesic, and tranquilizing drugs, prior

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

PART 1 \_ HEADOHARTERS

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DATE SIGNED

30 Nov

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. -R-0401

1 3115 FORM APPROVED OME NO 0579-0036 M

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Intuitive surgical, Inc. 1340 W. Middlefield Rd. Mountain VIEW, CA 94043

1. REPORTING FACILITY (List all locations where animals were housed or used in actual resi;arch, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)

Palo Alto Veterinary Association + nousin

Animals Covered By The Animal Weltare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of unimals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-retieving drugs.	D. Number of animals; upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate enesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surjery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analysisic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs		_		· ·	1
5. Cats	_	-	_	<u> </u>	
6. Guinea Pigs	_	<del>-</del>	<b>-</b>	_	-
7. Hamsters	_	_	_ ,		-
8. Rabbits	_	J		_	-
9. Non-human Primates	_	-	_	_	_
10. Sheep	_	_	2		2
tt. Pics	_	-	4	_	U
12. Citner Farm Animals	_	-	_	_	_
13. Other Animals	-		-		_
43.74					

- 1) Professionally acceptable standards governing the care, frealment, and isso of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, swipery, or experimentation were followed by this research tacuty.
- 2). Each principal investigator has considered alternatives to puinful procedures
- 3) This liquility is adhering to the standards and regulations under the Act. and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report, in addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well us the species and number of animals affected.
- The attending reterminant for this research locality has appropriate authority to ensure the provision of adequate animal cure and use.

Certification by Headquartes research facility official 🦠 (Chief Executive Officer or Legally Responsible Institutional Official) he above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Prin

M 7023

(Replaces VS FORM 18-23 (OCT 88), which is nosolete)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. イス

J

FORM APPROVED OMB NO. 0579-0036 MA

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Bio-Science Research Institute, Inc 4813 Cheyenne Way Chino, CA 91710

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

(same as Headquarters Research Faci) ity)

A.  Animals Covered  By The Animal  Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	0	12	. 0	0	12
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
				ILLI SEP 2 3 ISS9 17	

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate used and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility. of anesthetig analogsic and tranquilizing drugs prior to, during, SACRAMENTO, CA
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Annual Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending vetermarian for this research facility has appropriate authority to ensure the provision of adequate vetermary care and to oversee the adequacy of other aspects of animal care and use

a)(c), (b)(7)(c)	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)  1 certify that the above is true, correct, and complete (7 U.S.C. Section 2143)
Mal (A/C)	The state of the s

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

9-20-99

APHIS FORM 7023 (AUG 91)

VS FORM 18-23 (OCV 88), which is obsolete )

(b)(c), (b)(1)(c)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 93-8-0403

FORM APPROVED
OMB NO 0579-0036 M A

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

# ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Collateral Therpeutics - 11622 El Camino Real, Suite 300 San Diego, CA 92130-2048

3. REPORTING FACILITY sheets if necessary.)	(List all location	ns where animals w	ere housed or used	d in actual resear	ch, testing,	leaching, c	or experimentation	on, or held	for these purposes.	Attach additional
Siccis ii necessary.y	11025	Roselle	Street.	Suite	100.	San	Diego.	CA	92121	
				ACILITY LOCATIO						

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adichlional sheets if necessary or use APHIS FORM 7023A.) B. Number of C Number of Number of animals upon which teaching, D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments Animals Covered bred, which leaching, conducted involving accompanying pain or distress By The Animal leaching, research, conditioned or to the animals and for which the use of appropriate surgery, or lesis were TOTAL NO Welfare Regulations held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would conducted involving OF ANIMALS teaching, testing, lesis were have adversely affected the procedures, results, or accompanying pain or experiments. interpretation of the teaching, research, conducted distress to the animals research, or involving no experiments, surgery, or tests. (An explanation of and for which appropriate (Cols. C + D + E). surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used tranquilizing drugs were purposes. relieving drugs. must be attached to this report). used. Dogs Cats Guinea Pigs Hamsters Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals **ASSURANCE STATEMENTS** 

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approvide use of anesthetic analgesic, and tranquitizing drugs; prior to, bluring, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as interpretable as a summary includes a brief explanation of the exceptions, as well as interpretable as a summary includes a brief explanation of the exceptions, as well as interpretable as a summary includes a brief explanation of the exceptions, as well as interpretable as a summary includes a brief explanation of the exceptions, as well as interpretable as a summary includes a brief explanation of the exceptions, as well as interpretable as a summary includes a brief explanation of the exceptions, as well as interpretable as a summary includes a brief explanation of the exceptions, as well as interpretable as a summary includes a brief explanation of the exceptions, as well as interpretable as a summary includes a brief explanation of the exceptions, as well as interpretable as a summary includes a brief explanation of the exceptions, as well as a summary includes a brief explanation of the exceptions.

  4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequate v

	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
MILLINES	(Chief Executive Officer or Legally Responsible Institutional Official)
(6)(6)(b)(7)(c)	Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF CEA OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)

DATE SIGNED

10/2499

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

FORM APPROVED

Laris OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Pabbit	& Roscut	Diag	nostic	Associates
			<del>,                                    </del>	

4202 Derveuto					
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	Φ				
5. Cats	Ø				
6. Guinea Pigs	$\phi$		12		12
7. Hamsters	Ø				
8. Rabbits	Ø				
9. Non-human Primates	Ø		=		
10. Sheep	Ø,				
11. Pigs	$\phi$				·
12. Other Farm Animals	$\phi$	<del>-</del>			
13. Other Animals	$\phi$				
,		÷			
				1 2 P T	
				TE E B U E A A A	
ASSURANCE STATEMENTS			:	11411	

### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approvale use of and following actual research, teaching, testing, surgery, or experimentation were followed by this research and tranquilizing drugs, prior to, during,
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standard and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

# CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

Fify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF CEO. OR INSTITUTIONAL OFFICIAL (Type

DATE SIGNED

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Code)

Laris

Xenogen Componention 860 Atlantic Ave Alameda, CA 94501

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

eniogen 860 Atlantic Ave

REPORT OF ANIMALS USED BY C	OR UNDER CONTROL OF	RESEARCH FACILITY	' (Attach adiditional sheets if ne	cessury or use APHIS FORM 7023A.)	
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	F.  TOTAL NO.  OF ANIMAL'S  (COIS. C +  D + E)
4. Dogs	0	0	Ø	B	Ð
5. Cats	0	9	Ø	8	0
6. Guinea Pigs	Ø	G	<i>8</i> *	8	ig-
7. Hamsters	0	Ø	D .	P	O
8. Rabbits	<b>D</b>	-0	90	P	90
9. Non-human Primates	Ø	0	. 0	8	T
10. Sheep	Ð	0	0	O	O
11. Pigs	ð	O	ð	6	P
12. Other Farm Animals	8	Ø	Ø	Ŋ	Ø
13. Other Animals				2.13.2.5	
Mice	55	1,500	P	A SESIVE	1,555
ASSURANCE STATEMENTS					

## ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate us and following actual research, teaching, testing, surgery, or experimentation were followed by this research la
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and experimed by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is affached to this arrival report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of alimnals affected.
- 4) The attending vetermanian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of our annual care and use SIMO

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY (\$1467) AF

(Chief Executive Officer or Legally Responsible Institutional Official)

Ecertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

toi during,

11/30/99

APHIS FORM 7023 (AUG 91)

8), which is obsolete)

(b)(b), (b)(7)(c)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 170,01

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

Advanced Mediume, Inc. 280 Utah Are South San Francisco, Ca. 94080

3. REPORTING FACILITY	(List all locations wi	here animals	were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes.	Attach additional
sheets if necessary)	same	as	2	

**FACILITY LOCATIONS (Sites)** Same as

l.	B. Number of	C Number of		cessary or use APHIS FORM 7023A)  E. Number of animals upon which teaching,	T
Animals Covered <sup>:</sup> By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	c Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	TOTAL NO OF ANIMALS (COIS. C + D + E)
1. Dogs		;			
5. Cats					
5. Guinea Pigs	32	166	217		383
7. Hamsters			`		
3. Rabbits		14			14
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals				• •	
		,			ļ
				DEBEHWED.	

sthelic, analgesic, and tranquilizing digs prior to, during, Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of arise and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions as well as the species and animals affected.

4) The attending vetermanian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

(6)(6)	CERTIFICATION BY HEADQ (Chief Executive Officer or I certify that the above is true	-	istitutional Official)	
SIGNATURE		NAME - TO S OF S O O	INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
APHIS FORM )	tes VS FORM 18-23 (Oct-88), which is o	obsolete) ( ) ( )	(1) [N] [1]	

(AUG 91)

(b) (b), (b) (7) (c)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036 M

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Windy Hill Technology. Inc. 1010 Hamilton Court Menlo Park, CA 94025 ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** Windy Hill Technology, Inc. 1010 Hamilton Court, Menlo Park, CA 94025 REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.) B. Number of C Number of E. Number of animals upon which teaching, D. Number of animals upon animals being animals upon experiments, research, surgery or lests were which experiments, Animals Covered : bred, which leaching, conducted involving accompanying pain or distress teaching, research, surgery, or tests were By The Animal conditioned, or research, to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would Welfare Regulations held for use in TOTAL NO. experiments, or conducted involving teaching, testing, OF ANIMALS tests were have adversely affected the procedures, results, or accompanying pain or experiments. conducted interpretation of the teaching, research, distress to the animals research, or involving no experiments, surgery, or tests. (An explanation of and for which appropriate (Cols. C + D + E) surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or yet used for such use of paintranquilizing drugs were animals and the reasons such drugs were not used purposes. relieving drugs. must be attached to this report). Dogs Cats Guinea Pigs 7. Hamsters Rabbits **a**5 Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals ASSURANCE STATEMENTS 1:11 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate u ithetic, analgesic, and tranquil hald and following actual research, teaching, testing, surgery, or experimentation were followed by this research f as, prior to, during, 2). Each principal investigator has considered alternatives to painful procedures 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and contains the countries and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all subsections, as Well-ACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well-ACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well-ACUC-approved exceptions affected. 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

> CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



NETITIONAL OFFICIAL (Type or Print)

DATE SIGNED

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 73-8-0405

FORM APPROVED
OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

# ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Sansum Medical Research Institute 2219 Bath Street SAnta Barbara CA 93105

Welfare Regulations Place and the common process of the search of surgery but not yet used for such purposes.  4. Dogs  5. Cats  6. Guinea Pigs  7. Hamsters  8. Rabbits  9. Non-human Primates  10. Sheep  11. Pigs  12. Other Farm Animals  13. Other Animals  13. Other Animals  14. Other Animals  15. Each principal investigator has considered alternatives to pamilul procedures  16. Each principal investigator has considered alternatives to pamilul procedures  17. Hamsters  18. Rabbits  19. Non-human Primates  19. Sheep  10. Sheep  11. Pigs  12. Other Farm Animals  13. Other Animals  14. Other Animals  15. Other Animals  16. Sheep  17. Hamsters  18. Rabbits  19. Non-human Primates  10. Sheep  11. Pigs  12. Other Farm Animals  13. Other Animals  14. Other Animals  15. Sheep  16. Sheep  17. Hamsters  18. Rabbits  19. Non-human Primates  19.					SAII	ta barbara GA 93103		
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY inflitech adultificmal sheets of necessarir or use APMS FORM 7023A)  A Animals Covered By The Animal Welfare Regulations  By The Animal Separation of the Incidency of Institution of the Separation of the Institution of Institut	3. R	EPORTING FACILITY (List all needs if necessary)	locations where animals	were housed or used	in actual research, testing, tea	ching, or experimentation, or held for these purposes. Atta	ch additional	
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A. Animals Covered By The Animal animals being bred, animals being bred, animals being bred, which teaching, research, or surgery but not yet used for such purposes.  P. Cats  D. Number of animals being bred, animals and the vise in the secondary of stress and the secondary of stress and animals used to such purposes.  P. TOTAL NO GRAIMAN animals and the vise of appropriate experiments, surgery, or tests were conducted unvolving accompanying pain or distress in the animals and the reason of stress in these animals and the reason of stress in these animals and the reason of stress animals and the reason of stress animals and the reason of stress animals and the reason as such drugs were not used animals being bread of the strength of the reason as such drugs were not used animals being bread of the strength of the reason as such drugs were not used animals and the reason as such drugs were not used animals and the reason as such drugs were not used animals and the reason as such drugs were not used animals and the reason as such drugs were not used animals and the reason as such drugs were not used animals and the reason as such drugs were not used animals and the reason as such drugs were not used animals and the reason as such drugs were not used animals and the reason as such drugs were not used animals and the reason as such drugs were not used animals and the reason as such drugs and to the such animals and the reason as such drugs and to the such animals and the reason as such drugs and to the such animals and the reason as such drugs and to the such animals and the reason as such drugs and to the such animals and the reason as such drugs and to the such animals and the reason as such drugs and to the such animals and the reason as such drugs and to the such animals and	2	219 Bath Street						
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4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use		annual care and use.	or this research facility	has appropriate autho	rily to ensure the provision of	adequate veterinary care and to oversee the adequacy of other	ner aspects of	

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

1 certify that the above is true, correct, and complete (7 USC Section 2143)

SIGNATURE OF C.E.O. OF INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

10/2/49

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(b)(b), (b)(1)(c)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

GENTERIC, INC.
2061 CHALLENGER DR. ALAMEDA, CA 94501

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

2061 CH	ALLENGE	RDR.			
ALA	WEDY 10	H 94	50		
REPORT OF ANIMALS USE	ED BY OR UNDER CONTROL OF	F RESEARCH FACILITY	Y (Attach adiditional sheets if ne	cessury or use APHIS FORM 7023A.)	
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5. Cats					
6. Guinea Pigs					<u> </u>
7. Hamsters			1		
8. Rabbits			- 10	and the second second	
9. Non-human Prima	tes				
10. Sheep					
11, Pigs					
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13. Other Animals					
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	arian for this research facility h			dequate veteribary care and USQAe.ARI ISQ.AC of oth	

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O.

TITLE OF CEO OR INSTITUTIONAL OFFICIAL (Type of Panil (6)

APHIS F

FORM 18-23 (OCT 88), which is obsolete.)

(AUG 91)

Interagency Report Control No. 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

11

1. REGISTRATION NO. 93-12-0410

FORM APPROVED
OMB NO. 0579-0036 aris

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

COMPUTER MOTION, INC. 130-B, GOLETH EH

CONTINUATION SHEET FOR ANNUAL REPORT					
OF RESEARCH FACILITY					
( TYPE OR PRINT)					

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiational sheets if necessary or use this form.) Number of animals upon which teaching, C Number of D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments, conducted involving accompanying pain or distress to the animals and for which the use of appropriate Animals Covered By The Animal bred. which teaching, teaching, research, surgery, or tests were conditioned, or research, TOTAL NO. Welfare Regulations held for use in anesthetic, analgesic, or tranquilizing drugs would experiments, or conducted involving OF ANIMALS teaching, testing, lesis were have adversely affected the procedures, results, or accompanying pain or experiments, interpretation of the teaching, research, conducted distress to the animals research, or experiments, surgery, or tests. (An explanation of (Cols. C + D + E) involving no and for which appropriate the procedures producing pain or distress in these animals and the reasons such drugs were not used surgery but not yet used for such pain, distress, or anesthetic, analgesic, or 12. &/OR 13. Other use of paintranquilizing drugs were purposes. must be attached to this report). relieving drugs. (List by species) M 11 51 0 ASSURANCE STATEMENTS C

1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of aniesthet analgesic, and tranquising drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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2). Each principal investigator has considered alternatives to painful procedures.

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations the space that exceptions to the standards and regulations the space that exceptions to the standards and regulations the space that exceptions to the standards and regulations that exceptions the standards and regulations that exceptions to the standards and regulations that exceptions the standards are the standards and regulations that exceptions the standards are the standards and regulations that exceptions the standards are the standards are the standards and regulations the standards are principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is all school to this annual seport. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the spaces and number of animals affected.

4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

,	(Chief Executive Officer or L	JARTES RESEARCH FACILITY OFFICIAL egally Responsible Institutional Official) correct, and complete (7 U.S.C. Section 2143).	
	sign institutional official (b)(6) (b)(7)(C)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)  (b)(c)  (c)	DATE SIGNED
	APHIS FORM 70	EN - LERKS	SEFTRAUDOL

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

YJBioProducts, Inc 11353 Pyrites #14 Rancho Cordova, CA 95670

ANNUAL	REPORT	OF F	RESEARCH	FACILITY
	(TYPI	E OR	PRINT)	

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation; or held for these purposes. Attach additional sheets if necessary.) BioProducts,

Inc, 11353 Pyrites #14, Rancho Cordova. FACILITY LOCATIONS (Siles)

same as above

DEPOST OF ANY ANY AND ANY					
Animals Covered : By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research; experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (COIS. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters			i,		
8. Rabbits	0	0	0	0	0
9. Non-human Primates			.•		
10. Sheep					
11. Pigs					
12. Other Farm Animals					-
	·				
13. Other Animals					
				IN BEBIYED	
ASSURANCE STATEMENTS				10.00	

1)	Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of animals, including appropriate use of animals.	fiche analogaic a	na nanovih zmá	irons prior to du	ona
	and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility	3-1			

2). Each principal investigator has considered alternatives to painful procedures

USDA. APHIS, REAC, AC 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected

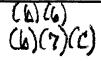
4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

# CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (

DATE SIGNED

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1839

1. REGISTRATION NO. 93-8-04/2

FORM APPROVED
OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Zymed Labs, Inc. 458 Carlton Ct., Suite B South San Francisco, CA. 94080

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

18401 N. Atkins Road, Lodi, CA. 95240

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (COIS. C +  D + E)
4. Dogs					
5. Cats			·		
6. Guinea Pigs					
7. Hamsters			\		
8. Rabbits	410	674			674
9. Non-human Primates	·				
10. Sheep					
11. Pigs					
12. Other Farm Animals			_		
				TEREIN SI	
13. Other Animals				MEGETA BUT	
			·		
				100/ 73 789 10	
ASSURANCE STATEMENTS				USDA, AFRICA AC	

1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesie, and tranquitizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(b)(c) (b)(7)(c)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)

(b)(b)

DATE SIGNED 11-26-99

(b)(7)(c)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036 . .

2. HEADQUARTERS RESEARCH, FACILITY (Name and Address, as registered with USDA include Zip Codel

The California State University Humboldt State University Arcata, California 95521

**ANNUAL REPORT OF RESEARCH FACILITY** (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Dept. of Wildlife, Game Pens

Dept. of Biological Sciences, Animal Rooms

REPORT OF ANIMALS USED BY O	B. Number of	C Number of			γ
Animals Covered By The Animal Wellare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain- relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					0
5. Cats					0
6. Guinea Pigs					0
7. Hamsters			\		0
8. Rabbits		·i.			0
9. Non-human Primates					0
10. Sheep					0
11. Pigs		·			0
12. Other Farm Animals	-				0
13. Other Animals					16
Deer		2			2
Red Fox		7			7
(see attached)					

1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of aniesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facilit

2). Each principal investigator has considered alternatives to painful procedures

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions generated by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions generated and fainber of animals affected. d to this annual report. In

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee if animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIA	I.
(Chief Executive Officer or Legally Responsible Institutional Official)	

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

SIGNATURE OF C.F.O.G TIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 93-R-0413

FORM APPROVED GMB NO. 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

The California State University Humboldt State University Arcata, California 95521

REPORT OF ANIMALS USED BY O	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adictitional sheets if necessary or use this form.)				
A.  Animals Covered By The Animal Wellare Regulations  12. &/CR 13. Other (Ust by species)	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Nimber of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the unimals and for which uppropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
Kit Fox		4			4
Fishers :		3			3
			,		
			, ,		<del></del>
					W. (1)
			*		
					;=
ASSURANCE STATEMENTS					

1). Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anesthetic analgesic, and tranquilizing drugs price to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures.

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to the institutional Animal Care and use Committee (IACUC). A summary of all such exceptions is attached to the institutional Animal Care and use Committee (IACUC) approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversor the acceptance of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

| Certify that the above is true, correct, and complete (7 U.S.C Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (L) (L)

NAME & TITLE OF C.E.O., OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

u |8/99

APHIS FORM 7023A (AUG 91 ) (b) (c), (b) (7) (c)

NOV 1 8 1999

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

13/15 FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA.

California State University, Chico 1st and Normal Streets Chico, CA 95929-0870

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these "purposes. Attach additional" sheets if necessary.)

#### **FACILITY LOCATIONS (Siles)** University Farm (Agriculture Holt Hall, Room 327-B Teaching & Research Center) A. J. Hamilton Hall, Room 108 <u>Modoc Hall, Room 223</u> REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adultificanal sheets if necessary or use APHIS FORM 7023A.) Number of animals upon which teaching, B. Number of C Number of D. Number of animals upon animals being experiments, research, surgery or tests were animals upon which experiments, conducted involving accompanying pain or distress Animals Covered which leaching, leaching, research, conditioned, or By The Animal research, to the animals and for which the use of appropriate TOTAL NO surgery, or tests were anesthetic, analgesic, or tranquilizing drugs would held for use in Wellare Regulations experiments, or OF ANIMALS conducted involving have adversely affected the procedures, results, or teaching, testing, tests were accompanying pain or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of experiments, conducted distress to the animals research, or (Cols. C + D + E) involvina no and for which appropriate surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or yet used for such use of painanimals and the reasons such drugs were not used tranquilizing drugs were must be attached to this report). purposes. relieving drugs. used. 4. Dogs Cats 2 Guinea Pigs Hamsters Rabbits Non-human Primates 120 120 10. Sheeo 80 11. Pigs 65 dairy 12. Other Farm Animals 80 80 beef 13. Other Animals **ASSURANCE STATEMENTS** Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, 2). Each principal investigator has considered alternatives to painful procedures. This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions, as well as the species and number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use

### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143) SIGNA NAL OFFICIAL NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type DATE SIGNED 11/22/99 APHIS TORM 7023 aces VS FORM 18-23 (OCT 88), which is ob-(AUG 91)

stants in the degree of degree and degree and to be append to behavior as between

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1830

1, REGISTRATION NO. 93-R-0039E 045 FORM APPROVED

OMB NO 0579-0036 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USQA

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

mcture Zio Codel California State University, Fresno Maple & Shaw Avenues Fresno, CA 93740

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testring, teaching, or experimentation, or haid for these purposes. Attach adultivous sheets it necessary.) Califoria State University, Fresno

FACILITY LOCATIONS (Siles)

Vivarium - Science Building

Animats Covered By The Animal Wettare Regulations	B. Number of paints being bred, conditioned, or hold for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, especialch, especialch, especialch conducted amolining an pam, distress, or use of pame, distress, or use of pame, distress, or use of pame, relieving drugs.	D. Number of animals upon which experiments, teaching, resourch, surgery, or tests were conducted unrulining accompanying pain or distress to the animals and for which appropriate anesthetic, analysis, or tranquilling drugs were used.	E Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anestectic, analysis or transpulsing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or districts in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (COIS. C +  D ~ E)
4. Dogs	0				·
5. Cats	0				
6. Guinea Pigs	0				
7. Hamsters	0			Pertelephone W/	
a. Rabbits	45	9			G
9. Non-human Primates	0			(1)(1) 29 NEV99-	- 03
10. Sheep	0			(b)(7)(c)	
11. Pics	0				
12. Other Farm Animals	0			•	
13. Other Animals			•		
Mice	283	15	42		- 57
Rats	312	203	14		217
ASSURANCE STATEMENTS				中のたる。同事の一倍十万円	

- 1) Protessionally acceptable standards governing the Cure, treatment, and use of animals, including approximating the of American analysis and transposition and tollowing account research, teaching, costing, surgery, or experimentation were followed by this research lamby:
- 2) Each principal investigator his considered attenuence to painful procedures
- 3) This likely is actioning to the standards and regulations under the Act, and it has required that exceptions IV the standards and regulations be specified Stid explu time incoming to the standards and regularizate time one, the in the centures the exceptional to the sandards and regulations be specified and emband by brinding investigation and approved by the institutional Annial Cline and Use Constitute (IACU). A summary of all Stack exceptions is attached to this sandard report of admittance to dentalying the IACUC approved exceptions, the sandary includes a bred exclusion of the exceptions; and figures and number of anemals affected
- The aftenoing veterrial armul care and inte.

(Chief Executive Officer or	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) e, correct, and complete (7 USC Section 2145).	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME I TITLE ASSESSED TITUTIONAL OFFICIAL (Type of Print)	11/23/99

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is nosolete).

(b)(c), (b)(r)(c)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

FORM APPROVED Aris OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

California State University, Fullerton c/o Office of Grants and Contracts, MH-112 P.O. Box 6850 Fullerton, CA 92834

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

California State University, Fullerton Campus

REPORT OF ANIMALS LISED BY O	P UNDER CONTROL OF	E DESEABOH EACH IT	V (Attract outs the count absorbed out	ecessury or use APHIS FORM 7023A.)	
A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	F.  TOTAL NO. OF ANIMALS  (Cois. C + D + E)
4. Dogs		l*			1
5. Cats					N/A
6. Guinea Pigs					N/A
7. Hamsters			,		N/A
8. Rabbits			11		11
9. Non-human Primates					N/A
10. Sheep					N/A
11. Pigs			·		N/A
12. Other Farm Animals	-				N/A
13. Other Animals					
Wild Rodents		84**			84
-Deer Mice (20)					
-NewWorld Mice (	41)			5-3-3-3	
ASSURANCE STATEMENTS				(1a) 16 1a 12 11 14 2 1-11	

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analysis, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility

2). Each principal investigator has considered alternatives to painful procedures

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this arrival report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as wellias the species and number of animals affected.

The attending vetermanian for this research facility has appropriate authority to ensure the provision of adequad annual care and use.

10	(6)
(6)	(7)(c)
	3

# CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

F C.E.O. OR INSTITUTIONAL

DATE SIGNED

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

NOV 2 6 ISS9

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 93-R-0416

FORM APPROVED OMB NO. 0579-0036

# CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
California State University, Fullerton
c/o Office of Grants and Contracts, MH-112
P.O. Box 6850

Fullerton, CA 92834

REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	F RESEARCH FACILITY	f (Attach adiditional sheets if ne	cessary or use this form )	
A.  Animals Covered By The Animal Welfare Regulations  12. &/OR 13. Other (List by species)	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	TOTAL NO. OF ANIMAL: (Cols. C + D + E)
Wild Rodents (con	)				
-Pocket Mice(1)					
-Wood Rats(14)		· · · · · · · · · · · · · · · · · · ·			
-Kangaroo Rats(8)					
Squirrels		135**			135
-Ground Squirrels	(3)	. (1.00)			
-Colden-mantled gr	dound squirr	els(132)			
Chipmunks		271 **			271
Pallid Bats		1 **			1
Foxes		1 **			1
			ì		<b>-</b>
<del></del>					
			*		
*Note: Dog was	privately o	med. Used	only as visual s	timulus to other animals.	
**Note: Wild ani	mals in fie	ld studies.			
				3	
				,	,
*			<del></del>		
ASSURANCE STATEMENTS					

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(b)(b)(c)	(Chief Executive Office	ADQUARTES RESEARCH FACILITY OFFICIAL er or Legally Responsible Institutional Official) is true, correct, and complete (7 U.S.C. Section 2143).	
SIGNATURE DE CEO OR INSTITU	THOMAL OF ICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
		(b)(c) (h)(r)(c)	1719 199
APHIS FORM 7023A (AUG 91)		PART 1	- HEADQUARTERS

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 1840

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

California State University, Hayward School of Science

				naywaru,	,					
3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)							additional			
		FAC	ILITY LOCA	TIONS (Siles)		Ł				
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.)										
REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	(Attach adi	ditional sheets if n						
A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	which e teachin surgery conduct accoing distress and for anesthe tranqui	r of animals upon experiments, ig, research, r, or lests were ited involving panying pain or s to the animals which appropriate ic, analgesic, or dilizing drugs were		Number of animals upon we experiments, research, surgiconducted involving accommodate animals and for whice anesthetic, analgesic, or finhave adversely affected thinterpretation of the teaching experiments, surgery, or the procedures producing animals and the reasons surgery to the procedure animals and the reasons surgery to the procedure of this results and the reasons surgery.	gery or testipanying panying panying panquilizing proceduring, researchests. (An expain or distuch drugs	its were pain or distre of appropria grugs would res, results, out, appropria ch, appropriation of stress in the s	ss ite d or f	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	purposes		used.  Stat	e Univers	ity	, Hayward did	not 1	use any	y s	pecies
		hetween O	tober	1, 1998	thr	ough Septembe	r30,	1999	cov	ered
Cats     Guinea Pigs						, tests, expe				
7. Hamsters		teaching.		\						
8. Rabbits									_	
9. Non-human Primates					_				_	
10. Sheep					_			· · · · · · · · · · · · · · · · · · ·	_	
11. Pigs					-				$\dashv$	
12. Other Farm Animals					-				-	
					<u> </u>			<del> </del>		· · · · · · · · · · · · · · · · · · ·
13. Other Animals		·	ļ		+					
			<u> </u>	· · · · · · · · · · · · · · · · · · ·	+					
			ļ	···	+					
			<u> </u>	· · · · · · · · · · · · · · · · · · ·	$\perp$		M IS	<u> </u>		
ASSURANCE STATEMENTS	tandards governing the	care, treatment, and	ise of anima	ols, including appre	oriate	se bl'anesthetic, analgesic	, and tran	gréfizióg éru	gs, pr	ior to, during,
1) Professionally acceptable standards governing the care, treatment, and use of animals, including approximate use of animals, including approximate use of animals, analysis, and framework to during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research activity.  NOV — 3 1939										
2). Each principal investigator has considered alternatives to painful procedures  3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the										
principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all statements and statement and						flected				
<ol> <li>The attending vetermarian animal care and use.</li> </ol>	for this research facility	y has appropriate auth	unity to ensi	ure the provision o	t adec	uate vetermary care and to	oversee If	he adequacy	ol oth	er aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143) DATE SIGNED NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) SIGNÁTURE ÓF C.E.Ó. OR INSTITUT 11/2/99 APHIS FORM Replaces

(AUG 91)

8-23 (OCT 88), which is obsolute)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)



1. REGISTRATION NO

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Code)

California State University, Long Beach 1250 Bellflower Blvd Long Beach, CA 90840

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

#### FACILITY LOCATIONS (Siles)

College of Natural Sciences and Mathematics College of Liberal Arts

experiments, or teaching, testing, experiments, or experiments, research, or resear	REPORT OF ANIMALS USED BY (	OR UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if ne	ecessary or use APHIS FORM 7023A.)	
5. Cats 6. Guinea Pigs 7. Hamsters 8. Rabbits 9. Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals Squirrels 11. Other Animals Per telephone w 30 Nov. 99	Animals Covered By The Animal	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such	animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-	which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
6. Guinea Pigs 7. Hamsters 8. Rabbits 9. Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals Squirrels 13. Other Animals Per telephone w  - CS 30 Nov. 97	4. Dogs					,
7. Hamsters  8. Rabbits  14  9. Non-human Primates  10. Sheep  11. Pigs  12. Other Farm Animals  Squirrels  112  1252  (A)(((((a)(7)(C)))  164  13. Other Animals  Per telephone w  30 Nov. 97	5. Cats					
8. Rabbits 14 14 9. Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 12. Other Farm Animals 11. Other Animal	6. Guinea Pigs					
9. Non-human Primates  10. Sheep  11. Pigs  12. Other Farm Animals  Squirrels  112 52 (A)(6) (b)(7)(C)  164  13. Other Animals  Per telephone w  30 Nov. 99	7. Hamsters			· ·		
10. Sheep  11. Pigs  12. Other Farm Animals  Squirrels  112 52 (b) (b) (7)(c) 164  13. Other Animals  Per telephone w  30 Nov. 97	8. Rabbits			. 14		14
10. Sheep  11. Pigs  12. Other Farm Animals  Squirrels  112 52 (b) (c) (b) (7)(c)  164  13. Other Animals  Per telephone w  30 Nov. 99	9. Non-human Primates					
12. Other Farm Animals  Squirrels  112  112  52  (b) (c) (b) (7)(c)  164  13. Other Animals  Per telephone w  30 Nov. 97	10. Sheep					
Squirrels 112 52 (b)(c) (b)(7)(c) 164  13. Other Animals Per telephone W 30 Nov. 97	11. Pigs					
13. Other Animals  Per telephone W  30 Nov. 97	12. Other Farm Animals					
-cs 30 Nov. 99	Squirrels	112	112	52	(b)(b), (b)(7)(c)	164
-cs 30 Nov. 99	13. Other Animals		Per tel	ephone w		
			-cs	\	30 Nov. 99	
					· · · · · · · · · · · · · · · · · · ·	

- Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the sandards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such experiments at least to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions as well as the sacratic plantage of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(b)(b), (b)(7)(c)

ic, analgesic, and tranquilizing drugs, prior to, during,

NOV 3 0 1999

Interagency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO

FORM APPROVED Caris OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA,

California State University, Los Angeles 5151 State University Drive Los Angeles, CA 90032

3. REPORTING FACILITY	Y (List all locations where animals were house	ed or used in actual research, to	esting, teaching, or exp	erimentation, or held for	these purposes.	Attach additional
chante il invescenzi						

**FACILITY LOCATIONS (Siles)** Biological Sciences 307A, 269, 253, 2A Physical Sciences REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach admittional sheets if necessary or use APHIS FORM 7023A.) B. Number of E. Number of animals upon which teaching, C Number of D. Number of animals upon animals being experiments, research, surgery or tests were animals upon which experiments, bred, conducted involving accompanying pain or distress **Animals Covered** which teaching, teaching, research. conditioned or By The Animal research, to the animals and for which the use of appropriate TOTAL NO. surgery, or tests were Welfare Regulations held for use in anesthetic, analgesic, or tranquilizing drugs would experiments, or OF ANIMALS conducted involving teaching, testing, have adversely affected the procedures, results, or tests were accompanying pain or experiments, conducted interpretation of the teaching, research. distress to the animals research, or experiments, surgery, or tests. (An explanation of (Cols. C + D + E) involving no and for which appropriate surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or animals and the reasons such drugs were not used vet used for such use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. 4. Dogs Cats Guinea Pigs Hamsters 15 15 8. Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals 35 8 43 squirrels

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of an drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations by specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and humber of animals attached.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annhal care and use.

**ASSURANCE STATEMENTS** 

# CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

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DATE SIGNED

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APHIS 1 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(b)(c), (b)(7)(c)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1843

1. REGISTRATION NO 33-9-0420

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

California State University, Northridge 18111 Nordhoff Street Northridge, CA 91330

Laris

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) California State University, Northridge

## FACILITY LOCATIONS (Siles)

Biology Vivarium, Science 2001

Psychology Vivarium, Sierra Hall 313

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs		:			
5. Cats					
6. Guinea Pigs	5	5			5
Dwarf/Syrian 7. Hamsters	69	29	÷		29
8. Rabbits	5	5			5
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
Deermice	2	2			2
· · · · · · · · · · · · · · · · · · ·					
				AU: Markarhad	<del></del>

ASSURANCE STATEMENTS

1) Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anesthetic, analgesis, and tranquilizing drugs, prior

Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, and following actual research, feaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures.

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this amount repoint addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affectively

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

# CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

IGNATURE C

GATIONAL OFFICIAL

(b) (b)

(c)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL Gype or Prints

DATE SIGNED

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11/29/99

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

. 4

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

California State Polytechnic Univ Pomona 3801 West Temple Ave Pomona, CA. 91768-4016

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

<u>California State Polytechnic Pomona</u>

San Dimas Experimental Forrest

Desert Studies Center at Zyzzx Field Study- Orange County, & Baja MX.

REPORT OF ANIMALS USED BY OR			(Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs		18	12		12
5. Cats			2		2
6. Guinea Pigs					
7. Hamsters			\		
8. Rabbits		5	73 10		15
9. Non-human Primates					
10. Sheep					
11. Piqs		247	·		247
12. Other Farm Animals			7		7
Coyote 13. Other Animals		7			7
Peromyscus		123			123
Bats		35			35
Pocket mous	e	55		ा शाजा जा ज	65
ASSURANCE STATEMENTS					11111

Professionally acceptable standards governing the care, treatment, and use of animals, including appronate use of anesthetic analysis, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility. 26 **199**9

2). Each principal investigator has considered alternatives to painful procedures

This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and exclaimed by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is affacted report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species stift significant allected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to or animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 93R0421 93-R-039K

FORM APPROVEDOMB NO 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT
OF RESEARCH FACILITY

C

(TYPE OR PRINT)

California State Polytechnic Univ. Pomona 3801 West Temple Ave

2. HEADQUARTERS RESEARCH FACILITY (Name and Audress, as registered with USDA

Pomona, CA 91768-4016

	B. Number of	C Number of	D 10	E. Number of animals upon which teaching,	-
Animals Covered By The Animal Welfare Regulations  12 & OR 13 Other (Ust by species)	animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, feaching, research, surgery, or lests were conducted involving accompanying pain or distress to the unimals and for which appropriate anesthetic, analyesic, or tranquilizing drugs were	experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or lests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	TOTAL N CF AMM. (Cols. C D + E
(D3) by species)			used		
Kangaroo rat		43			43
Wood Rat		28			28
Chipmunk		5			5
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,					
			•		
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JRANCE STATEMENTS					

1). Professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, feaching, testing, surgery, or experimentation were followed by this research facility.

NOV 26 1989

2). Each principal investigator has considered alternatives to painful procedures.

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

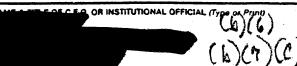
4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)
t and the that the phone of the general and complete (7.11.5.C. Castion 21.42)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL





DATE SIGNED

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 93-A-0422

FORM APPROVED (1)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Sonoma State University 1801 E. Cotati Avenue Rohnert Park, CA 94928

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

Biology Dept.-Darwin Hall REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adultitional sheets if necessary or use APHIS FORM 7023A) Number of animals upon which teaching, B. Number of C Number of D. Number of animals upon animals being experiments, research, surgery or tests were animals upon which experiments, Animals Covered conducted involving accompanying pain or distress bred. which teaching, teaching, research, to the animals and for which the use of appropriate conditioned, or By The Animal research. TOTAL NO. surgery, or tests were Welfare Regulations held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS conducted involving have adversely affected the procedures, results, or teaching, testing, tests were accompanying pain or interpretation of the teaching, research, experiments. conducted distress to the animals (Cols. C + D + E) research, or experiments, surgery, or tests. (An explanation of involving no and for which appropriate the procedures producing pain or distress in these surgery but not yet used for such pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used use of paintranquilizing drugs were purposes. relieving drugs. must be attached to this report). 4. Dogs Cats Guinea Pigs Hamsters O 0 n 8. Rabbits Non-human Primates 10. Sheep 11. Pigs Other Farm Animals 13. Other Animals 0 18 12 18 6 Rats **ASSURANCE STATEMENTS** F: 11 13

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approximate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)  Legally Responsible (7 USC Section 2143)							
SIGNATURE OF C.E.O. OR INSTITUTE  (b)(7)(c)		NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) (b)(c) (b)(7)(c)	DATE SIGNED				

APHIS FORM 7023 (AUG 91)

Replaces (30, 68), which is obsolete)

additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT).

8237

1. REGISTRATION NO

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA,

The California State University 400 Golden Shore Long Beach, CA 90802-4275

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

California State University, Sacramento: Amador Hall, Humbolat Hall, Sequoia Hall

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cois. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals			·		
13. Other Animals					
Rats	36	38	23	0	97

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analysis, and tranquilizing origin, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations Expecified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- addition to identifying the IACUC approved encountry and addition to identifying the IACUC approved encountry and in this research facility has appropriate authority to ensure the provision of adequate veterinary carefully discussed the IACUC ADDITION OF THE ADDITION OF of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OF INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

10/25/99

(AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

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PART 1 - HENDQUARTERS

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1847

1. REGISTRATION NO. 93-R-0425

FORM APPROVED
OMB NO. 0579-0036 N

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

San Diego State University Graduate and Research Affairs 5500 Campanile Drive

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, lesting, leaching, or experimentalism, or field for these purposes. Attach additional sheets if necessary.)

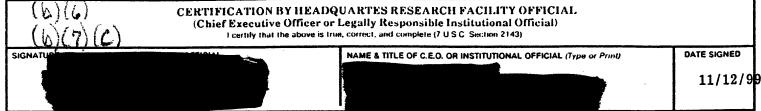
FACILITY LOCATIONS (Siles)

Life Sciences Vivarium Room 17

A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	O. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0 '	0	0
8. Rabbits	0	11	. 0	0	11
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals					
California Vole	0	100	0	0	100

### **ASSURANCE STATEMENTS**

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use behavisthetic, analgesic, and tranquilizing dreds, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is a facility to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and further of unimals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.



APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(b) (6)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

(TYPE OR PRINT)

843

1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036 //

2. HEADQUARTERS RESEARCH FACILITY include Zip Code)

ofc. Research \$ Sponsored ANNUAL REPORT OF RESEARCH FACILITY Programs San Francisco State Univ. Francisco,

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

**FACILITY LOCATIONS (Siles)** 

11 - Biology

A.  Animals Covered  By The Animal  Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cois. C + D + E)
4. Dogs	,				
5. Cats		1			
6. Guinea Pigs			,		
7. Hamsters			1		
8. Rabbits			一、子		4
9. Non-human Primates					
10. Sheep		·		·	
11. Pigs			·		
12. Other Farm Animals				-	
13. Other Animals					
Kongaroo		25			25
rats (Dip	odomy	5 Sp.)			
		,			

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of anesthetic, apaligesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is affaithed to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Ecertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

**APHIS FORM 7023** (AUG 91)

SIGNA

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(b)(6),(b)(7)(c)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO

FORM APPROVED 1115 OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Code)

> SAN JOSE STATE UNIVERSITY ONE WASHINGTON SQUARE SAN JOSE CA 95192-0025

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

SAN JOSE STATE UNIVERSITY -- UNIVERSITY ANIMAL CARE

FACILITY LOCATIONS (Siles)

UNIVERSITY ANIMAL CARE -- DUNCAN HALL

MOSS LANDING MARINE LAB, MOSS LANDING, CA

A. Animals Covered	B. Number of animals being bred,	C Number of animals upon which teaching,	Number of animals upon which experiments, teaching, research,	Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress	<b>F.</b> .
By The Animal : Welfare Regulations	conditioned, or held for use in teaching, testing, experiments, research, or	research, experiments, or tests were conducted involving no	surgery, or tests were conducted involving accompanying pain or distress to the animals	to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of	TOTAL NO. OF ANIMALS (Cols. C +
	surgery but not yet used for such purposes.	pain, distress, or use of pain- relieving drugs.	and for which appropriate anesthetic, analgesic, or franquilizing drugs were used.	the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	D + E)
4. Dogs	-0-	-0-	-0-	-0-	-0-
5. Cats	-0-	-0-	-0-	-0-	-0-
6. Guinea Pigs	-0-	-C-	-C-	-0-	-C-
7. Hamsters	-C-	-0-	-0-		-0-
8. Rabbits	-C-	15	10	-n-	25
9. Non-human Primates	ŭ-	-0-	-0-	-0-	-ù-
10. Sheep	-0-	-û-	−û-	-0-	-C-
11. Pigs	-0-	-0-	-0-	-0-	-0-
12. Other Farm Animals	-0-	CՄ	-0-	-0-	-0-
13. Other Animals			,	•	
RATS	_0_	267	INIX 107	? <b>4</b>	398
MIE MICE	_0_	35	72	58	165
SEA LIONS	-0-	5	-0-		5

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of an and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

, analgesic, and tranquilizing drugs, prior to, during, NOV 2 6 559

2). Each principal investigator has considered alternatives to painful procedures

This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such ex addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veter animal care and use.

## CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/23/99

APHIS FORM 7023 (AUG 91)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(Replaces VS FORM \$8-23 (OCT 88), which is obsolute)

(b)(c), (b)(7)(c)

93R 0427

San Jose State University Registration # 93-R-0427 USDA Annual Report: October 1, 1998 to September 30, 1999

## Explanation for Column "E" on APHIS Form 7023

## 13E. Rats:

7 rats were used in a mammalian physiology class where they were given thiouracil in their food and water to induce hypothyroidism.

17 rats were used in a mammalian physiology class where they were injected with alloxan to induce diabetes.

## 13E. Mice:

58 mice were used in a immunology class for ascites production.



Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

## include Zip Code)

1. REGISTRATION NO.

Laris FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

# ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

REPORTING FACILITY (List all locations where animals were housed or used in actual research, tessheets if necessary.)	sting, teaching, or experimentation, or held for these purposes. Attach additional
FACILITY LOCATIONS (S	ides)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adultional sheets if necessary or use APHIS FORM 7023A.)									
A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, feaching, research, surgery, or fests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)				
4. Dogs									
5. Cats									
6. Guinea Pigs									
7. Hamsters			,						
8. Rabbits									
9. Non-human Primates									
10. Sheep									
11. Pigs									
12. Other Farm Animals									
13. Other Animals									
MUNISAR		2			2				
		1							

_		
1	ASSURANCE STATEMENTS	

- nalgesid and and ilizing drugs, prior to, during, Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards are provided by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate vetering Apre Signature and use.

(Chief Executive	BY HEADQUARTES RESEARCH FACILITY OFFICIAL e Officer or Legally Responsible Institutional Official) the above is true, correct, and complete (7 USC Section 2143)	
SIGN	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	1/22/97

APHIS FORM (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolete )

(b)(c), (b)(7)(c)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO. 8817

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

21<sup>ST</sup> Century Medicine 10844 Edison Court Rancho Cucamonga, CA

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

	N 4 3		}				
21st Century 103-14 Edisor	Medicin	و					
Rancho Cucar	nonce (	A 9173	Ø				
REPORT OF ANIMALS USED BY OR	vionga, c			itional sheets if ne	ces	sary or use APHIS FORM 7023A.)	
REPORT OF ANIMALS USED BY OR	UNDER CONTROL OF	HESEARUM FACILITY	raiden dana		=	Number of animals upon which teaching, F.	
A. : Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number which exteaching surgery, conduct accomp distress and for anesthe	of animals upon inperiments, it, research, or tests were ed involving naim or to the animals which appropriate lic, analgesic, or izing drugs were	-	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, avergingers, surgery, or tests. (An explanation of	AL NO. NIMALS s. C + + E)
4. Dogs					L		
5. Cats					1		
6. Guinea Pigs					$\downarrow$		
7. Hamsters				<u> </u>	$\dotplus$	80	<del></del>
8. Rabbits			1 8	19	+	3	<u> </u>
9. Non-human Primates			<del> </del>		╁		
10. Sheep			<del> </del>		+		
11. Pigs		<u> </u>		· · · · · · · · · · · · · · · · · · ·	+	-	
12. Other Farm Animals			<del> </del>		+		
13. Other Animals					$\prod$		
					+		<u> </u>
					4		
				<i>t</i>	1	DE BEINE	
ASSURANCE STATEMENTS				. In its abording server	ori :	ste use of adesthetic, analgesic, and tranquilizing druds, prior to,	durinĝ.
and following actual resea	irch, leaching, learing.	surgor,		als, including approblemed by this resi	earc	NOV - 1 1999	
2). Each principal investigato	r has considered aftern	olives to pomini proce				and explained by	the

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is all acceptance of animals affected.

Solution to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the exceptions of animals affected.

The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

STITUTIONAL OFFICIAL

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)



1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

METABOLEX, INC. 3876 BAY CENTER PLACE HAYWARD, CA 94545

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or field for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

METABOLEX, INC.

RM 121A

3876 BAY CENTER PL. HAYWARD, CA 94545

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMAL:  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters		103	!		103
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals			-		
13. Other Animals					
	,				
•					

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of phesinaic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility

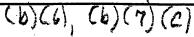
2). Each principal investigator has considered alternatives to painful procedures

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all suclesceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species of the exceptions.

4) The attending vetermarian for this research facility has appropriate authority to ensure the provision of adequate dequacy of other aspects of anunal care and use.

		<u> </u>	
(b)(6) (b)(7)(c)	(Chief Executive O	HEADQUARTES RESEARCH FACILITY OFFICIAL  officer or Legally Responsible Institutional Official)  above is true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF C.E.O. OR IN	AL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
			11/22/00
			11/23/99
APHIS FORM 7023 (Pos	Jacob VC FORM 18/22 //YCT 88	which is obsolute.	

(AUG 91)



Interagency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Code)

(93-R-0432)

University of California Systemwide Administration 300 Lakeside Drive, Oakland, CA 94612-3350

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these -purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Please see attached.

			' (Attach adiditional sheets if ne	cessury or use APHIS FORM 7023A.)	
Animals Covered By The Animal Wellare Regulations	animals being bred, which teaching, research, conducted conducted involving accompanying pain or surgery but not yet used for such as the surgery animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drips were animals are supported.		E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)	
4. Dogs	0.00	0.00	0.00	0.00	0.00
5. Cats	14.00	0.00	71.00	0.00	71.00
6. Guinea Pigs	0.00	0.00	6.00	0.00	6.00
7. Hamsters	130.00	404.00	1,316.00	0.00	1,720.00
8. Rabbits	2.00	349.00	60.00	0.00	409.00
9. Non-human Primates	0.00	0.00	6.00	0.00	6.00
10. Sheep	0.00	0.00	0.00	0.00	0.00
11. Pigs	0.00	0.00	0.00	0.00	0.00
12. Other Farm Animals	0.00	0.00	0.00	0.00	0.00
13. Other Animals					
(see next page)					
	2 1 1 1 1 2 2 AM AL W COMMAND				
ASSURANCE STATEMENTS				।। । हा हा ।। ।।	d 15!!

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility

2) Each principal investigator has considered alternatives to painful procedures

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. principal investigator and approved by the institutional chimal case and day committee (10000). A defining the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of approved addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of approved exceptions.

4) The attending vetermarian for this research facility has appropriate authority to ensure the provision of adequate vetermary ca animal care and use

(B)	(6	1
(h)	[7]	10
C120 11	<u></u>	(

## CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C. F.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

23 (OCT 88), which is obsolete)

(b)(c), (b)(7)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

93-R-0432

FORM APPROVED OMB NO. 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT
OF RESEARCH FACILITY
(TYPE OR PRINT),

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA.

University of California Systemwide Administration 300 Lakeside Drive Oakland, CA 94612-3350

REPORT OF ANIMALS USED BY O	B. Number of				
Animals Covered By The Animal Welfare Regulations  12. 3/OR 13. Other (Ust by species)	b. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMAL (Cols. C of D + E)
Ca. Pocket Mice	0.00	11.00	0.00	0.00	11.00
Chipmunk	39.00	0.00	0.00	0.00	0.00
Coyote	0.00	64.00	0.00	0.00	64.00
Ferret	0.00	3.00	364.00	0.00	367.00
Gerbil	11.00	90.00	0.00	0.00	90.00
Gopher	39.00	0.00	0.00	0.00	0.00
Hedgehog	0.00	27.00	0.00	0.00	27.00
Hyena	0.00	0.00	46.00	0.00	46.00
Hyrax	40.00	0.00	40.00	0.00	40.00
K-Rat	7.00	102.00	. 11.00	0.00	113.00
Squirrel	32.00	127.00	. 64.00	0.00	191.00
Vole	0.00	57.00	54.00	0.00	111.00
Wild, Mouse	115.00	219.00	150.00	0.00	369.00
Wild, Rat	0.00	529.00	0.00	0.00	529.00
Woodrat	0.00	0.00	167.00	0.00	167.00

1). Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anesthetic, analgesic, and tranquilizing drugs, prior to and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures.

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

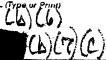
CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

1 certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(p)(1)(c)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL TYPE



DATE SIGNED

11/19/79

ASSURANCE STATEMENTS

Interagency Report Control No 0180 DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Code)

## ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

University of California, Davis One Shields Avenue Davis, CA 95616

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these -purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

University of California, Davis

Davis Central Campus, Primate Center, and UCIDavis Med Center

			(Attach adiditional sheets if ne	cessury or use APHIS FORM 7023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	·	16	757	0	773
5. Cats	400	750	590	0	1340
6. Guinea Pigs		162	62	0	224
7. Hamsters		26	386	0	412
8. Rabbits		210	526	0	736
9. Non-human Primates	3533	724	1642	0	2366
10. Sheep		310	103	S	413
11. Piqs		1108	101	0	1209
12. Other Farm Animals					-
Goat		325	27	. 0	352
13. Other Animals				0	300
Horse		119	181	0	1726
Cattle		1705	21	0	18
Deer		18	0	三百百百三000万百万	
ASSURANCE STATEMENTS					

- 1). Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and franquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other-aspects of animal care and use.

## CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

R INSTITUTIONAL, OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)

DATE SIGNED

University of California, Davis

G 91)

SIGNA

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 93-R-0433B

FORM APPROVED OMB NO 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT
OF RESEARCH FACILITY
(TYPE OR PRINT)

The University of California, Davis One Shields Avenue, Davis, CA 95616

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

PORT OF ANIMALS USED BY	B. Number of	C Number of	D. Number of animals upon	E. Number of animals upon which teaching,	F
Animals Covered bred, conditioned, or held for use in teaching, testin experiments, research, or surgery but not		animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or	which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the unimals and for which appropriate anesthetic, analogistic, or	experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in those animals and the reasons such drugs were not used.	TOTAL NO OF ANIMAL (Cols. C O + E)
12 &/OR 13. Other (List by species)	yet used for such purposes.	use of pain- relieving drugs.	tranquitizing drugs were used.	must be attached to this report)	ļ
Ferrets			102	0	102
Gerbils			609	0	609
Mink			31	0	31
Opossum			73	0	73_
Squirrel		85	50	1080	1215
				·	·
				·	
				·	
			·		
			7		
	+				
					<del> </del>

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, feaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.

ASSURANCE STATEMENTS

- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

J				
(b)(b)	(Chief Executive Officer	DQUARTES RESEARCH FACILITY OFFICIAL or Legally Responsible Institutional Official) - true, correct, and complete (7 U.S.C. Section 2143)	ED - 1	
SIGNATURE		NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL Type of P		DATE SIGNED
		The University of California, Da		12/1/99
APHIS (91)		(b)(6), (b)(7)(c)	PART 1 - 23	SEPTE/ UDDA

BERKELEY · DAVIS · IRVINE · LOS ANGELES · RIVERSIDE · SAN DIEGO · SAN FRANCISCO



SANTA BARBARA • SANTA CRUZ

LARRY N. VANDERHOEF Chancellor at Davis

JANET C. HAMILTON
Vice Chancellor-Administration

OFFICE OF THE VICE CHANCELLOR-ADMINISTRATION DAVIS, CALIFORNIA 95616-8540

December 1, 1999

93R0433B

United States Department of Agriculture Animal and Plant Health Inspection Service Regulatory Enforcement and Animal Care, Western Sector 9580 Micron Avenue, Suite E Sacramento, CA 95827-2623

Annual Report of Research Facility University of California, Davis Addendum

Since many agricultural studies have potential biomedical applications, and since any of our farm animals could be used for teaching veterinary students, we have included all farm animals used on campus in this report. The vast majority of these farm animals are used in agricultural studies.

Explanations for numbers shown under column "E":

These ground squirrels were used in agricultural studies of in which rodenticide baits were being developed and studied. These were primarily field studies in which rodents were poisoned. Both the acceptance of the bait and it's efficacy must be studied. The Environmental Protection Agency requires that the lethal dose of the agent be defined. In order to determine the lethal dose, death is a necessary endpoint because animals exhibiting signs of toxicity might still recover, so euthanasia renders the studies invalid. Likewise anesthetics or analgesics affect the toxic dose of the rodenticide and would render the data invalid. Anesthetics would also prevent the animal from ingesting the bait and thus interfere with assessment of it's palatability.

Efficacy studies are required by the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). Information about the Act and its requirements is given on the Environmental Protection Agency's website at http://www.epa.gov/reg5oopa/defs/html/fifra.htm. The regulations are given in Title 7 US Code, s/s et seq. (1972).

Exceptions to provisions of the Act:

With respect to the general prohibition of multiple survival surgery, the Administrator of USDA has granted an exception in which cesarean sections are sometimes performed in normal female primates during successive pregnancies. This exception applied to 80 animals during the reporting period.

## Justification for cesarean sections

Studies of birth defects and growth retardation require that pregnancies be terminated by cesarean section at a standardized time point to allow for careful examination of fetuses for defective development and fetal weight. Allowing these pregnancies to proceed to full term has several pitfalls, including possible loss of the infant (and experimental data) due to maternal cannibalization if it is born dead, prematurely, or with a serious defect. In addition, the large range in gestational age at normal delivery would make it difficult to accurately assess birth weight, an important indicator of normality in these studies. Taking the infant by cesarean section gives us the highest chance of obtaining a viable infant.

DEC - 1

## 93R0433B

## Justification for multiple cesarean sections in the same animal

Multiple cesarean sections are routinely performed in human females. Animals undergoing hysterotomies at the CRPRC rarely have post surgical complications and are fertile post-operatively. Any animal with complications will be dropped from the protocol. Post operative animals do not demonstrate any handicaps or ill health following the cesarean.

Our practice has been to maintain a breeding colony which provides the required pregnancies for these studies. Multiple use of animals allows us to use purpose bred animals from our colony rather than capturing wild primates. One can see that if we use 100 animals per year, and if these animals could never be used again, it would be necessary to import additional animals rather than use our existing breeding colony. Also, without multiple use, animals having already had a cesarean section, (many of our animals have), could not be utilized in the breeding colony.

The net effect of using these animals only once would be that an increased number of primates would be used, and that possibly a number of animals might be euthanized that would otherwise remain in our breeding colony for many years. Approval of this exception will allow us to continue our studies while minimizing the number of animals used, minimizing our use of threatened species from the wild, and prolonging the useful lives of our breeding animals.

In a few other studies, the IACUC has granted exceptions to allow primates to be maintained on regiments of restricted water intake. These are studies in which the animal receives water or other liquids as a reward for performing tasks. If the animals were satiated with water outside of the study period, they might not be motivated to perform the tasks. The animals receive their water during the day as they perform the tasks.

The IACUC and the Primate Center have developed detailed guidelines to insure that these animals receive adequate amounts of water during the day to support their health and well-being. The animals must receive an amount of water daily which is individual calculated for each animal based on their physiologic needs. The animals are also monitored very closely by veterinary staff and animal care staff; however, they are not routinely given two hours free choice access to water twice daily as would otherwise be required in the regulations. This exception applied to 13 animals during this reporting period.





UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

FORM APPROVED

OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA.

University of California Irvine Irvine, CA 92697

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these -purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

Please see attached list.

A.  Animals Covered By The Animal Wellare Regulations	By The Animal conditioned, or		animals being animals upon which experiments, research, experiments, research, or surgery but not yet used for such		E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	0	0	0	
5. Cats	35	0	206	0	206	
6. Guinea Pigs	11	51	57	0	108	
7. Hamsters	2	159	321	0	480	
8. Rabbits	133	28	47	0	75	
9. Non-human Primates	0	0	. 0	0	0	
10. Sheep	0	0	0	0	0	
11. Pigs	0	0	41	0	41	
12. Other Farm Animals	0	. 0	0	0	0	
13. Other Animals						
Gerbil	115	0	145	0	145	
Peromyscus	30	0	0	0	0	
ASSURANCE STATEMENTS	<u> </u>		L	1 21 12 15 18 11 14 15 17 1	<u> </u>	

and tranquirzing drugs; prior to, during, Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of biestyletic, analgesic, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility

2). Each principal investigator has considered alternatives to painful procedures

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Annual Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the spaces and principles annuals affected

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate leterinary care and to overses. (64 adequacy of other aspects of animal care and use.

### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED SIGNAT NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Typ

## Research Reporting Facilities

93-R0434

Beckman Laser Institute
Biological Sciences II
Bonney Research Laboratory
Gillespie Neuroscience Research Facility
Irvine Hall
Medical Sciences I
Medical Surge I
Medical Surge II
North Campus Air Pollution Health Effects Laboratory (APHEL)
Quershey Research Laboratory
Steinhaus Hall
Building 55, Academic Laboratory Facility (located in Orange, CA 92668)
Building 60, UCI Medical Center Vivarium (located in Orange, CA 92668)

Unless otherwise noted, facilities are located on campus in Irvine, CA 92697.



Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

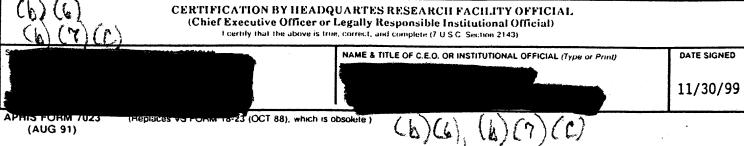
University of California, Riverside 900 University Avenue P.O. Box 112 Riverside, CA. 92521-0217

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) General Campus

**FACILITY LOCATIONS (Siles)** 

				•	
	OR UNDER CONTROL OF	RESEARCH FACILITY	l (Attach adiditional sheets if ne	cessury or use APHIS FORM 7023A.)	
A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	animals being bred, conditioned, or held for use in feaching, lesting, experiments, research, or surgery but not yet used for such which teaching, research, or feaching, lesting, experiments, or lests were conducted involving no pain, distress, or use of pain-	animals being animals upon which teaching, research, experiments, research, or leaching, research, or surgery but not yet used for such which teaching, research, experiments, research, or involving no pain, distress, or use of pain.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats	9	12			12
6. Guinea Pigs					
7. Hamsters	121	232	105		337
8. Rabbits		8	6		14
9. Non-human Primates			·		
10. Sheep					
11. Pigs					
12. Other Farm Animals					
Permyscus	517	312	36		348
13. Other Animals					
Bats	9		19	•	19
Desert Rodents		7			7
Squirrels		22	:	ि इक्डा आह	7 22
ASSURANCE STATEMENTS		•		أبني فقد ويوري ببدل يندج الدريسين يالمنتقل بالمسارة الاستقال والنبارات التراك المسارة	

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anesthetic, analgesic, and tranquilizing drugs, priorito, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility. 11
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the spaces and number of animals affected.
- 4) The attending vetermanian for this research facility has appropriate authority to ensure the provision of adequate vetermary care and to oversee the adequacy of other aspects of



15 FORM /U23 (AUG 91)

(Replaces vo Forme 16-23 (OCT 88), which is obsolete)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGIL TRATION NO. C433 LariSFORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

University of California

Central Vivarium Santa Barbara, CA 93106

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

Biological Sciences II, building 571

SNARL, Mammoth Lakes, CA

Psychology Building 551

REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if ne	cessury or use APHIS FORM 7023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, or surgery but not yet used for such purposes.  C. Number of animals upon which teaching research, or experiments, or conducted involving no pain, distress, use of pain-relieving drug		Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats			16		16
6. Guinea Pigs		24			24
7. Hamsters		3			3
8. Rabbits		14	8		22
9. Non-human Primates					
10. Sheeo					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
Dormice	10		1	DECEIMED	1
Ground Squirrels			89		89
Ferrets		25	138	HI NEV Pla rea HU//	163
ASSURANCE STATEMENTS					

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility. USDA, APPIS, AC

2) Each principal investigator has considered alternatives to painful procedures

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Annual Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending vetermarian for this research facility has appropriate authority to ensure the provision of adequate vetermary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143) SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

Shop/ VENTO, CA

DATE SIGNED

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

PART : - HEADQUARTERS

APHIS TORM 7023 (AUG 91)

can Interagency Report Control No additional information 2150. Interagency Report Control No 1180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE



2. HEADQUARTERS RESEARCH FACILITY (Name and Address as considered with USOA

 HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
 Thimann Laboratories Animal Facility

Division of Natural Sciences University of California, Santa Cruz Santa Cruz, CA 95064

ANNUAL	REPORT	OF	RESEARCH	FACILITY
	(TYP)	E OF	R PRINT)	

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

		FA	CILITY LOCATIONS (Siles)	4.	
ong Marine Lab., ]	00 Shaffer	Road, Santa	Cruz CA 95060		
				:	
	R UNDER CONTROL OF	F RESEARCH FACILITY	f (Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A)	
Animals Covered : By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of annuals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (COIS. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Harnsters			\		
8. Rabbits	6	1	10		11
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					_
13. Other Animals					
Cetaceans		2			2
Pinnipeds	·	13			13
ASSURANCE STATEMENTS				ן ווון וויין וווין וויין וווין וויין ווייין ווייין ווייין ווייין ווייין ווייין ווייין ווייייין ווייין וויייייייי	
Professionally acceptable sta and following actual researc	andards governing the o	care, treatment, and us gery, or experimentation	e of animals, including approria on were followed by this researc	te use to brastle and assessment and security and the man	ior ta, during,
2). Each principal investigator h					
bunrabar macaridator and at	oroved by the institutio	inal Aniihal Care and C	ise Committee (IACUC). A sum	USDA, APHIS, REAC, 100 ISTO the standardscaptic regulations be specified and explain mary of all euch six explains is attached to this annual exceptions, as well as the species and number of animals af	

 The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(Chief Executive Officer	DQUARTES RESEARCH FACILITY OFFICIAL or Legally Responsible Institutional Official) True, correct, and complete (7 USC Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL $(b)(c)$ $(b)(7)(c)$	(b)(b) (b) (7) (c)	DATE SIGNED

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

University of California San Diego White Mountain Research Station 9500 Gilman Drive, #0689

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

## **FACILITY LOCATIONS (Siles)**

1. WMRS Owens Valley Laboratories

WMRS Barcroft Facility 3.

<u>la Jolla, CA 92093-0689</u>

WMRS Crooked Creek Facility

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (COIS. C +  D + E)
4. Dogs					
5. Cats					,
6. Guinea Pigs			20		20
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep			76		76
11. Pigs					
12. Other Farm Animals	-				
13. Other Animals					
					·
					·
ASSURANCE STATEMENTS					

1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use offanesthetic, analgesic, and tranquilizing brigs; prior to, during, Professionally acceptable standards governing the care, treatment, and use or animals, including approximate use and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility **MOV** 26 **199**9

2). Each principal investigator has considered alternatives to painful procedures

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptiors, as well as the species and number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the aute animal care and use

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Thi	(4)(C)
1.91	(1/64)

## CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

Z3Nov9

APHIS FORM 7023

(Replaces VS FORM 18-23

mich is obsolete)

(AUG 91)

Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

71-R-0001

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY IName and Address, as registered with USDA include Zip Code)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

UNIVERSITY OF ARKANSAS

120 OZARK HALL

Suite 255

FAYETTEVILLE, AR 72701

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

### FACILITY LOCATIONS (Sites)

Biological Sciences Science Engineering Building See Attached

2) Animal Sciences Building Basement of "A" Wing

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred;— conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments. Leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquiliting drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	TOTAL NO OF ANIMALS  (Cols. C - D - E)
4. Dogs					0
5. Cats		···_ <del></del> ···			0 .
6. Guinea Pigs					0
7. Hamsters					0
8. Rabbits					0
9. Non-human Primates					0
10. Sheep		·			0
11. Pigs	-				0
12. Other Farm Animals					0
13. Other Animals					0

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (FACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of . animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



ME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or F

DATE SIGNED

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 71-R-006

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code);

ARKANSAS STATE UNIVERSITY
P. 0. Box 179
203 Administration Bldg.
State University, AR 72467
Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

## Department of Biological Sciences

Laboratory Sciences Building

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					0
5. Cats	0				0
6. Guinea Pigs	0				0
7. Hamsters	0				0
8. Rabbits	0				0
9. Non-human Primates	0		· .		0
10. Sheep	0				0
11. Pigs	0				0
12. Other Farm Animals	0			•	0
13. Other Animals					

### SSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

COICE NA

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

Ca)(Ca), (b)

INTERPRETATION OF THE PROPERTY OF THE PROPERTY NO. 1180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE -ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

71-R-0007

FORM APPROVED OMB NO. 0579-0036

HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

HENDRIX COLLEGE
1600 WASHINGTON AVE
Suite 255

CONWAY, AR 72032

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

Mills Building - Hendrix Campus

3 300

Buhler Hall - Hendrix Campus

REPORT OF ANIMALS USED BY OF		RESEARCH FACILITY	(Attach adiditional sheets if ned	cessury or use APHIS FORM 7023A.)	
A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred,, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were sconducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (COIS. C +  D + E)
4. Dogs	No anim	als this	vear		
5. Cats	See Att	ached Let	ter		
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
				·	
•					

## ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(b) (6), (b) (7)(C) NAME & TITLE OF C.E.O. OR INSTITUTIONAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

11/8/99

(b)(6), (b)(7)(C

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE .
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

71-R-0009

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include 冱p Code)

.....

AGRESEARCH CONSULTANTS INC

PO BOX 606

- Suite 255

GREENBRIER, AR 72058

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

SAME AS

ABOVE =

LOCATION.

2 W

See Attached

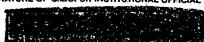
Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS.  (Cols. C +  D + E)
4. Dogs	79	397	0	0	397
5. Cats	24	0	0	0	0
6. Guinea Pigs	0			. (	(
7. Hamsters	(				
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
				. )	
		7			1.
		(			<del>  /                                   </del>

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the
  principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In
  addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



(b)(4) (b)(7)(C) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

) 10/4

DATE SIGNED

(b)(6), (b)(7)(C)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE - ANIMAL , ND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

71-R-0011

FORM APPROVED OMB NO. 0579-0036

 HEADQUARTERS RESEARCH FACILITY IName and Address, as registered with USDA. include Zip Code)

UNIV OF AR FOR MEDICAL SCI

NOV

8 1

Suite 255

LITTLE ROCK, AR 72205

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

See Attached

By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, . teaching, research, surgery, or lests were -conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely allected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
. Dogs				•	0
. Cats			16		16
6. Guinea Pigs	•	_221	53		274
7. Hamsters				·	.0
3. Rabbits		126	228		354
Non-human Primates					0
10. Sheep					0
11. Pigs		12	10		22
12. Other Farm Animals					0
13. Other Animals					
· · · · · · · · · · · · · · · · · · ·				·	

## ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (b)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print);

DATE SIGNED

= (b)(b), (b)(7)(C)

10/22/99

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150. additional information

Interagency Report Control No W 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE - ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

71-R-0012

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

UNIV OF ARK-LITTLE ROCK

2801 S UNIVERSITY

Suite 255

LITTLE ROCK, AR 72204

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

## FACILITY LOCATIONS (Sites)

Fribourgh Hall 418



Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments.  Ieaching, research, surgery, or tests were reconducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					·
13. Other Animals				:	
Peromyscus sp.		7			7
Voles		3			3
Cotton rats		25			• 25

### **ASSURANCE STATEMENTS**

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of , animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7-U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

TUNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

 HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

# CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

REPORT OF ANIMALS USED BY OF A.	B. Number of	C Number of				
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such	c number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were	-	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
(List by species)	purposes.	relieving drugs.	used.		must be attached to this report).	
Grasshopper mice	228			L		
Pocket mice		2		·	· · · · · · · · · · · · · · · · · · ·	2
Herptiles		100		L		100
				L		
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				T		
				T		
				T		
				T		
				$\dagger$	aka di kacamatan kan kan da	
·				T		
				$\dagger$		
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				$\dagger$		-
	<del></del>	<del></del>	<u> </u>	4		ļ

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

[ certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(b) (6) (b) (7) (c) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

10/15/199

**ASSURANCE STATEMENTS** 

UNITED STATES DEPARTMENT OF AGRICULTURE -ANIMAL AND PLANT HEALTH INSPECTION SERVICE

71-R-0014

FORM APPROVED
OMB NO. 0579-0036

8

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) DEC

2. HEADOUARTERS RESEARCH FACILITY IName and Address, as registered with USDA include Zip Code)

GIC Redfield Laboratories

100 Fast Boone

P.O. Box 308

Redfield, AR: 72132

. . .

3. REPORTING FACILITY (List all locations where animals were housed or used in ac	ual research, lesting, teaching, or experimentation, or held for these purposes. Attach additional
sheets if necessary.)	st a purposes. Attach additional

### FACILITY LOCATIONS (Siles)

GIC Redfield Laboratories 100 East Boone/P.O. Box 308 Redfield, AR 72132

Animals Covered Sy The Animal Welfare Regulations	B. Number of animals being bred,—conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or lesis were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	(E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or lests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMAL  (Cois. C  D + E)
4. Dogs	27 ·	177		72	249
5. Cats					
6. Guinea Pigs	·	375		10	385
7. Hamsters					- 303
8. Rabbits		873		. 87	960
9. Non-human Primates	9	64 ·		2	66
10. Sheep					
11. Pigs	1	33	38	8	79
12. Other Farm Animals	•				
			·		•
13. Other Animals					
				•	
			••		

## ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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## CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (D) (4) (B) (7)(C)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/18/19

# Attachment to 1999 USDA Annual Report of Research Facility GTC Redfield Laboratories Registration Number 71-R-014

Redfield Laboratories is a division of Genzyme Transgenics Corporation (GTC). Redfield Laboratories is a general toxicology facility and one of the five GTC pre-clinical toxicology testing laboratories in the United States with the toxicology testing expertise needed to meet EPA, OECD, FDA, and Japanese regulatory requirements. Redfield Laboratories performs toxicology and pharmacology testing of drugs, medical devices, consumer products, agricultural and industrial chemicals, veterinary products, petrochemicals, and phytochemicals.

Individual research projects were classified in Column E on the accompanying report. These studies involved the administration of test articles to animals by a variety of routes. Under the procedures specified in each of the research protocols, many of the animals probably have been subjected to more than momentary or slight pain and distress since these studies were performed to determine the potential toxicity of test articles. All of these protocols were approved by Redfield Laboratories' Institutional Animal Care and Use Committee (IACUC) and no anesthetic, analgesic, or tranquilizing drugs were used during the conduct of the studies since these drugs could potentially adversely affect the results and/or interpretation of the studies. However, to prevent unnecessary pain and suffering, animals were closely monitored by the attending veterinarian, technical and animal care staff, and animals determined to be severely compromised and/or moribund were humanely euthanized.

Explanation of procedures resulting in a Column E classification:

Individual research studies were conducted with the animals in column E. These studies involved the administration of test articles to animals by various routes of exposure: oral (capsule or gavage), intradermal, subcutaneous or intravenous injection, dermal or ocular application. Under the procedures specified in the research protocols, animals were probably subjected to more than momentary or slight pain and distress, since these studies were performed to determine the potential toxicity of test articles. The use of drugs to relieve pain or distress would compromise these studies for the following reasons: 1) signs elicited by exposure to the test article could not be masked since the study objectives were to obtain and document toxic responses; 2) an analgesic drug may affect the metabolism or other actions of the material under test and thereby affect the research results; 3) it was not practicable to treat only affected animals because such treatment may affect response to the test material in unforeseen ways and preclude comparison with other, non-treated animals. To prevent unnecessary pain and suffering, any animals determined to be severely compromised and/or moribund were humanely euthanized upon approval of the Study Director or the attending veterinarian. All of the studies were conducted for clients/sponsors with reported results and conclusions to be submitted to various regulatory agencies to support applications for product approval.

Briefly listed are the **Column E** studies involving the animal species covered by the Animal Welfare Act (AWA) which were conducted during the period of October 1 through September 30 at Redfield Laboratories. See attached:

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

71-R-0100

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Code)

AR CHILDREN'S HOSP RES INST 1120 S MARSHALL ST

Suite 255

LITTLE ROCK, AR 72202-3591

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Sites)

9 850 dren's Hospital Research Institute 1120 Marshall Street

Little Rock, AR 72202

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred,- conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, . teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analyesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs			33		3
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits			56		56
9. Non-human Primates					
10. Sheep				_	
11. Pigs		5	44		49
12. Other Farm Animals					1 3 4
Cattle			3		3
13. Other Animals					
Rats		84	482	41	607
Mice		187	138		325
		·	•		

### **ASSURANCE STATEMENTS**

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of . animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTR

OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)



DATE SIGNED

## Optional Column E Explanation Form

This form is intended as an aid to completing the Column E explanation. It is <u>not</u> an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists.

1.	Registration Number:	71-R-0100
0.0	•	

- for 504
  2. Number Protocol 2005/7 approve of animals used in this study.
- 3. Species (common name) Rats of animals used in this study.
- 4. Explain the procedure producing pain and/or distress.

Protocol Title: Mechanisms underlying Behavioral & Neurobiologic Effects of Neonatal Pain

Neonatal rat pups will be subjected to moderate and repetitive painful stimuli, in order to produce an experimental model that corresponds with the clinical care currently given to premature infants. Following completion of the repetitive pain paradigm from PO to P7, the older rats will only be exposed to the hot plate test for measurement of pain thresholds. Exposure to painful stimuli will also occur for P15, P21, and P30 animals in Experiment 2, and for p14 animals in Experiment 3. These time points are necessary to illustrate the complete ontogeny of the pain system beyond the neonatal pain, some exposur to painful stimuli cannot be avoided. There are no drugs available that can provide analgesia for acute and chort-term stimuli; thus the effects of the druwould outlast the effects of any painful stimulus by a large factor.

5. Provide scientific justification why pain and/or distress could not be

relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see question 6 below)

For these acute and intermittent stimuli, pain relieving drugs cannot be given because: (a) they would prevent the processing of painful stimuli in the brair (b) they would cause independent neurobiological effects, unrelated to the experimental paradigm, and (c) they would have an unpredictable duration of effects since the metabolism of analgesic drugs changes drastically during development. Neurobiologic effect of pain and distress is what is being studie as to how it has manifested abnormal behaviors in later childhood and adolescen If relief is given, pain and distress would not effect the behavioral pattern that is being analyzed.

6. What, if any, federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):

Agency	CFR	
•	_~~ ~	<u> </u>

Interagency Report Control No V 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

(TYPE OR PRINT)

71-R-0101

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) ANNUAL REPORT OF RESEARCH FACILITY

PEL-FREEZ BIOLOGICALS Pel-Treez

Rabbit Heat

205 N ARKANSAS PO Box 68

ROGERS, AR 72757

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

**15.3** 

1411 Oakwood Street Lowell, AR 72756

A.  Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs			·		
5. Cats					<u> </u>
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	35	220		3	223
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
				·	

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

	_						
SI	C	SNATURE	OF C.E	O. OR	INSTITUT	IONAL	OFFICIA

DATE SIGNED

# Optional Column E Explanation Form

This form is intended as an aid to completing the Column E explanation. It is not an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists. 1. Registration Number: 71-R-0101 2. Number of animals used in this study. 3. Species (common name) Rabbits of animals used in this study. 4. Explain the procedure producing pain and/or distress. See a Hacked 5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see question 6 below) 6. What, if any, federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):

# USDA Annual Report of Research Facility Column E Explanation

This project was a commercial antisera production for an international company. Rabbits were injected ID with an initial dose of CFA. Subsequent injections used IFA and were also given ID. The rabbits involved in this protocol were online approx 24 months. At approx 23 months, 3 of the rabbits began to show swelling and lesions and to exhibit signs of discomfort. Since the customer's original protocol did not address the use of analgesic or anesthetics, they were contacted concerning the condition of the rabbits and questioned on how to proceed. Customer did not respond immediately and after approx 4 weeks, they were notified that the rabbits in question would be terminated. At that time, the 3 rabbits exhibiting signs of discomfort were euthanised using Pel-Freez' standard euthanasia protocol.

To prevent this situation from reoccuring, the following changes have been made to Pel-Freez' protocols. First, all projects requiring ID injection will be reviewed more frequently by the IACUC and will be limited in duration to 18 months. Second, if a customer can not be contacted within a reasonable amount of time, animals experiencing pain or distress will be euthanised, based on the decision of the animal technician and the consulting veterinarian.

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to be seen and desist and to be subject to penalties as provided for in Section 2150.

- additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE . ANIMAL AND PLANT HEALTH INSPECTION SERVICE

71-R-0103

FORM APPROVED ... OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

PO BOX 139

(6) (6)

PO Box 68

WILLIFORD, AR 72482

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

include Zip Code)

W: 11: fol 2

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach activitional sheets if necessary or use APHIS FORM 7023A.) B. Number of E. Number of animals upon which teaching, C. Number of D. Number of animals upon animals being animals upon which experiments, experiments, research, surgery or tests were Animals Covered which leaching, bred .- conducted involving accompanying pain or distress teaching, research, conditioned, or By The Animal to the animals and for which the use of appropriate research. surgery, or lests were conducted involving TOTAL NO. held for use in Welfare Regulations anesthetic, analgesic, or tranquilizing drugs would experiments, or OF ANIMALS teaching, testing, lesis were have adversely affected the procedures, results, or accompanying pain or experiments, conducted interpretation of the teaching, research, distress to the animals research, or involving no experiments, surgery, or tests. (An explanation of and for which appropriate (Cols. C -D + E) surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or yel used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were purposes. must be attached to this report). relieving drugs. used 0 0 Dogs C) 0 Cats U Guinea Pigs Hamsters Rabbits Non-human Primates 10. Sheeo 11. Pigs 12. Other Farm Animals 13. Other Animals

### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of マクチラスコ

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(B)(G)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

16-18-99

**APHIS FORM 7023** 

." (Replaces VS FORM 18-23 (OCT 88), which is obsolute.)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

71-R-0104

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

UNIVERSITY OF THE OZARKS

415 N COLLEGE AVE

PO Box 68

CLARKSVILLE, AR 72830

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Sites)

Smith-Broyler Science 31d

42

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred,- conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F. TOTAL NO OF ANIMAL (Cols. C D + E)
4. Dogs					0
5. Cats					0
6. Guinea Pigs					0
7. Hamsters	·				0
8. Rabbits					0
9. Non-human Primates					0
10. Sheep					0
11. Pigs	-				0
12. Other Farm Animals					0
· · · · · · · · · · · · · · · · · · ·		·			
13. Other Animals					0
		· ·			

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OF

DATE SIGNED

11/18/99

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

APHIS FORM 7023

Interagency Report Control No.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. K-000

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

NATIONAL JEWISH MEDICAL & RESPORCH CENTER 1400 JACKSON St., DOILA Denver, CO 80206

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS (Cols. C + D + E)
			·	0
				D
ユ	22	28		50
	23			23
20	81			81
		-		0
		14		14
				0
-				0
				D
	held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	held for use in leaching, lesting, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.   Reperiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	held for use in leaching, testing, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.  Research, or surgery but not yet used for such purposes.  Purposes.  Resperiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.  Resperiments, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	held for use in teaching, testing, experiments, or least were conducted involving no surgery but not yet used for such purposes.  Appelments, or lests were conducted involving no surgery but not yet used for such purposes.  Appelments, or lests were conducted involving no surgery but not yet used for such purposes.  Appelments, or lests were conducted involving no surgery but not yet used for such purposes.  Appelments, or lests were conducted involving no surgery but not yet used for such purposes.  Appelments, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate each purpose.  Appelments, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate each purpose.  Appelments, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate experiments, surgery, or lests. (An explanation of the teaching, esearch, experiments, surgery, or lests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
 (Chief Executive Officer or Legally Responsible Institutional Official)

Learnity that the above is true, correct, and complete (7 U.S.C. Section 2143)

A TITLE OF GEO OR INSTITUTIONAL OFFICIAL (Type

DATE SIGNED

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Colorado State University

Ft. Collins, CO 80523

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

Main Campus - Colorado State University

C S U Foothills Campus

C S U Veterinary Teaching Hospital

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, feaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (COIS. C + D + E)
4. Dogs		181	39		220
5. Cats	4	92			92
6. Guinea Pigs		314			314
7. Hamsters		130	;		130
8. Rabbits		671			671
9. Non-human Primates					
10. Sheep	36	130	175		305
11. Pigs		9	38		47
12. Other Farm Animals					
Calves		8	·		8
13. Other Animals	·				
Ferrets		18			18
Kangaroo Rats	,		30.		30
Marmots	3		12		12

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected

4)	The attending vetermarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care a animal care and use.	14 16	evels	eEhe	ageau.	ic of	Mhe!	7 Spec	E.
	annual care and use.		1 1		. E.J.,	- 1	: نا	3	5

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

AC

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete) (b)(6) (b)

additional information.

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

84-R-0003

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

### CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Colorado State University

80523 Ft. Collins; CO

REPORT OF ANIMALS USED BY C	R UNDER CONTROL OF	RESEARCH FACILITY	(Attach adictitional sheets if ne	essury or use this form.)
A. Animals Covered By The Animal Welfare Regulations  12. &OR 13. Other	Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals iipon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-releving drugs.	Number of animals upon which experiments, leaching, research, sirryery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were	E. Number of animals upon which teaching, experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or lests. (An explanation of the procodures producing pain or distress in those animals and the reasons such drugs were not used must be attached to this report).
(List by species)	purposes.	reneving artigs.	used.	
Voles			20	20
٤				
	-			
	ļ			
				·
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ASSURANCE STATEMENTS		<del>-</del>	·	

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research tacility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attacted from this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and númber of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the attending veterinary care and the oversee the attending veterinary care and the oversee the attending veterinary care attending veterinary animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

/ L -/ ) -- C/ Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

sheets if necessary.)

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Soint Joseph Hospital

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) (10123	1835 Franklin Street Denver, Colorado 80218			
3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional				

FACILITY LOCATIONS (Siles)

		•					
·					·		
REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	(Altach adio	titional sheets if ne	cessar	v or use APHIS FORM 7023A.)	
A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number which exteaching surgery, conduct accomp distress and for anesthe	of animals upon experiments, g, research, or tests were ed involving anying pain or to the animals which appropriate tic, analgesic, or izing drugs were	E. N e: to ai h. in e:	winnber of animals upon which teaching, experiments, research, surgery or tests were onducted involving accompanying pain or distress or the animals and for which the use of appropriate in the animals and for which the use of appropriate in the animals and for which the use of appropriate in the animals and for the transfer of the procedures, results, or iterpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these nimals and the reasons such drugs were not used toust be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs							0
5. Cats							0
6. Guinea Pigs							0
7. Hamsters				·			0
8. Rabbits			·				0
9. Non-human Primates							0
10. Sheep							0
11. Pigs							0
12. Other Farm Animals						-	0
13. Other Animals							0
					<del>                                     </del>	· · · · · · · · · · · · · · · · · · ·	<del>                                     </del>
				ি	ΙĒ	G F II W G D	
ASSURANCE STATEMENTS			L	11.71	ن	PEN RELIE	_1
Professionally acceptable st and following actual researce	andards governing the ch, teaching, testing, su	care, freatment, and ur rgery, or experimentati	se of animals ion were follo	including appropriate the property in the control of the control o	ale use	of anesthetic, analgesic, and tranquilizing drugs,	prior to, during,

2). Each principal investigator has considered alternatives to painful procedures.

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions in The standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of unimals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to overse the adequacy of other aspects of animal care and use.

#### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIST (AUG

SIGNAT

-2-3 Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. - K-000

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

1101

Colorado Serum Company 4950 York St-Box 16428 Denver, Colorado 80216

ANNUAL REPORT	OF RESEARCH, FAC	ILITY
(TYPI	OF RESEARCH FACE	.ID
	10	

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

Same as No. 2 FACILITY LOCATIONS (Siles) REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach admittional sheets if necessary or use APHIS FORM 7023A.) B. Number of C Number of Number of animals upon which teaching Number of animals upon F. animals being animals upon experiments, research, surgery or tests were which experiments, Animals Covered : conducted involving accompanying pain or distress-to the animals and for which the use of appropriate bred, which teaching, teaching, research, By The Animal conditioned, or research. surgery, or tests were TOTAL NO. anesthetic, analgesic, or tranquilizing drugs would Welfare Regulations held for use in experiments, or conducted involving OF ANIMALS teaching, testing, lests were have adversely affected the procedures, results, or interpretation of the teaching, research, accompanying pain or experiments, conducted distress to the animals research, or involving no experiments, surgery, or tests. (An explanation of (Cols. C + D + E) and for which appropriate surgery but not pain, distress, or the procedures producing pain or distress in these animals and the reasons such drugs were not used anesthetic, analgesic, or yet used for such use of paintranquilizing drugs were purposes. relieving drugs. must be attached to this report). Dogs n 0 0 Cats 0 0 0

7. Hamsters			:	414	414
8. Rabbits	21		159		159
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals		-			
		·			

231

ASSURANCE STATEMENTS

13. Other Animals

Guinea Pigs

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs; prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research lacility.

2). Each principal investigator has considered alternatives to painful procedures.

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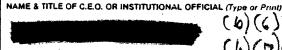
3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

#### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



DATE SIGNED

1732

10-6-99

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### For FY 1998 - 1999 Annual Report of Registered Research Facility - APHIS Form 7023

Each animal in each referenced test was employed in testing a Licensed Veterinary Biological product as required by Federal Regulations as codified in Title 9 CFR. Humane euthanasia of animals on 9 CFR required tests are provided for in Federal Register publication dated August 21, 1995 citing part 117.4 (d) - Animals at Licensed Establishments - test animals (filed August 18, 1995) has been initiated and included as standard testing protocol. Attending veterinarians and related employees have been informed and Colorado Serum Company is complying with this regulation.

Explanation of usage of animals listed in Column E.

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1	.ine	Item	О.

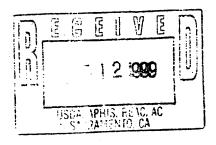
### Guinea Pigs

1101 Guinea Pigs were tested causing pain, for which no anesthetic, analgesics, or tranquilizers could be used. A detailed breakdown of guinea pigs by test reference is provided.

9 CFR 113.451(d) Tetanus Antitoxin potency testing - 764 guinea pigs

9 CFR 113.106(c) Clostridium chauvoei Bacterin potency testing - 300 guinea pigs

9 CFR 113.107(c) Clostridium haemolyticum potency testing - 37 guinea pigs



### ATTACHMENT NO. 1

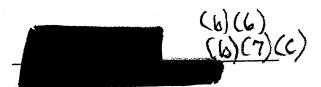
Page 2 of 1998-1999 report

### Line Item 7.

### Hamsters

414 Hamsters were tested causing pain, for which no anesthetics, analgesics, or tranquilizers could be used. A detailed breakdown of hamsters by test reference is provided.

9 CFR 113.101	Leptospira Pomona Bacterin potency - 83 hamsters
9 CFR 113.102	Leptospira Icterohaemorrhagiae Bacterin potency testing - 83 hamsters
9 CFR 113.103	Leptospira Canicola Bacterin potency testing - 83 hamsters
9 CFR 113.104	Leptospira Grippotyphosa Bacterin potency testing - 83 hamsters
9 CFR 113.105	Leptospira Hardjo Bacterin potency testing - 82 hamsters



10-6-99

Date

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

-K-0008

FORM APPROVED

OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

UNIVERSITY OF NORTHERN COLORADO COLLEGE OF ARTS & SCIENCES DEPT. OF BIOLOGICAL SCIENCES GREELEY, CO 80639

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these -purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

ANIMAL FACILITY, ROSS HALL

Animals Covered : By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (COIS. C + D + E)
4. Dogs	0				
5. Cats	0				
6. Guinea Pigs	0				
7. Hamsters	<i>€</i>				
8. Rabbits	0				
9. Non-human Primates	0		·		
10. Sheep	0				
11. Pigs	0				
12. Other Farm Animals	0	-		-	
13. Other Animals					
SIBERIAN POL	ECATS				
SIBERIAN POL TELA EVERSHANNI	0	8	0	<del>O</del>	8
					<u> </u>
ASSURANCE STATEMENTS		•		· · · · · · · · · · · · · · · · · · ·	15 10

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Annual Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of annuals attached to
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversea the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIA	I.
(Chief Executive Officer or Legally Responsible Institutional Official)	

above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Ty

College of Arts & Sciences University of Northern

DATE SIGNED

11/22/9

Interagency Report Control No. 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

FORM APPROVED

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

84-R-0008
OMB NO. 0579-0036
2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA UNIVERSITY OF NORTHERN COLORADO COLLEGE OF ARTS + SCIENCES DEPT. OF BIOLOGICAL SCIENCES GREELEY, CD 80639 include Zip Code)

A.  Animals Covered  By The Animal  Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (En explanation of	F TOTAL NO. OF ANIMAL
12. &/OR 13. Other (List by species)	surgery but not yet used for such purposes.	pain, distress, or use of pain- relieving drugs.	and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	the procedures producing pain or distress in those animals and the reasons such drugs were not used must be attached to this report).	(Cols. C D + E)
DEERMICE MYSCUS MANICULATUS					
MYSCUS MANICULATUS	) 0	23	$\Theta$	0	<i>Z</i> 3
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				4	<u>L. l</u>

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquillaing drugs, prior to during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the
  principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report in
  addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)  I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).						
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED				
		·				

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 1089 84-R-001 OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code)

FORM APPROVED

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Western State College of Colorado Gunnison, CO 81231

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

Gunnison, (		DECEARCH EACH IT	//AM	cessary or use APHIS FORM 7023A.)	
A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats	·		2		
6. Guinea Pigs					
7. Hamsters			,		
8. Rabbits					
9. Non-human Primates					
10. Sheep			·	·	
11. Pigs		-			
12. Other Farm-Animals					
13. Other Animals				•	
will resents		108			108
d Shreuis					
(see appendix)			1 ; 2 { 1	KI IIII	
ASSURANCE STATEMENTS			: •	NOV R TOCO	

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.

USDA, APHIS, AC

- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending vetermarian for this research facility has appropriate authority to ensure the provision of adequate vetermary care and to oversee the adequacy of other aspects of animal care and use.

(b)(c),(b)(7)(	(Chief Executive Officer or I	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional ()fficial) e, correct, and complete (7 U S C Section 2143)	
SIGNATU	OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIALS (Type or Print).	DATE SIGNED
7			10/12/99

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

Latin Name	Common Name	Number capture	apture
Peromyscus maniculatus	Decr mouse	56	•
Rolling doutomys megalotis	Western harvest mouse	24	
Zapus princeps	Western jumping mouse	17	
Eutamias minimus	Least chipmunk	9	
Sorex cinereus	Masked shrew	3	
Peromyscus eremicus	Cactus mouse		
Micronus pennsylvanicus	Meadow vole	_	

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UNITED	STATES DEPARTMENT OF AGRICULTURE	
A BULBA A I	AND DI ANT HEALTH INSDECTION SERVICE	

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT) (LLL T)

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Colorado Hountain College
Veterinary Technology Program
3000 CR 114
Glenwood Springs CD 81601

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

**FACILITY LOCATIONS (Siles)** 

Spring Valley Campus

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (COIS. C + D + E)
4. Dogs	0	22	0	0	22
5. Cats	0	11	0	0	11
6. Guinea Pigs	0	3	0	0	3
7. Hamsters	0	0	0	0	O
8. Rabbits	0	3	0	0	3
9. Non-human Primates	0	0	0	0	Ð
10. Sheep	0	9	0	0	9
11. Pigs		4	0	0	4
. 12. Other Farm Animals	0	19	0	0	19
Horses	0	Ż	0	0	7
13. Other Animals					
Goats	0	9	0	0	9
Llamgo Ferrets	0	4	0	0	4
Ferrets	0	2	0	0	2

#### **ASSURANCE STATEMENTS**

(AUG 91)

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drups, prior to during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

	(Chief Executive Officer or	QUARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) ie, correct, and complete (7 USC Section 2143).	
SIGNAT	(6)(7)(C)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
			11/3/99
3	(Fring)	obeniate )	

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1096

1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

# ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Bel-Rea Institute 1681 S. Dayton Denver, co 80231

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Altach adultional sheets if necessary or use APHIS FORM 7023A.) B. Number of C Number of Number of animals upon which teaching, D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments. Animals Covered : bred, which leaching, conducted involving accompanying pain or distress teaching, research, surgery, or tests were By The Animal conditioned, or research, to the animals and for which the use of appropriate TOTAL NO Welfare Regulations held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would conducted involving OF ANIMALS teaching, testing, tests were have adversely affected the procedures, results, or accompanying pain or experiments. conducted interpretation of the teaching, research, distress to the animals research, or involving no experiments, surgery, or tests. (An explanation of (Cols. C + D + E) and for which appropriate surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or vet used for such use of painunimals and the reasons such drugs were not used tranquilizing drugs were purposes. must be attached to this report). relieving drugs. used Dogs Cats Guinea Pigs Hamsters 8. Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals Cerbils

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to; during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending vetermarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(Chief Executive Officer or L	ARTES RESEARCH FACILITY OFFICIAL egally Responsible Institutional Official correct, and complete (7 U.S.C. Section 2143)	
APINS (Heplaces VS FORM 18-23 (OCT 88), which is ob-	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED

**ASSURANCE STATEMENTS** 

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 2. HEADQUÂRTERS RESEARCH FACILITY (Name and Address, as registered with USDA

FORM APPROVED

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Bee- Rea Institute 1681 5. Dayton Denven, co 8023/

REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	F RESEARCH FACILITY	f (Attach adictitional sheets if ne	cessary or use this form )	
Animals Covered By The Animal Welfare Regulations  12. & OR 13. Other (Ust by species)	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, sirgery, or tests were conducted involving accompanying pain or distress to the unimals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs weich live adversely attected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
Mice		5,2			5.2
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				SACPAMENTO, CA	
ASSURANCE STATEMENTS		F			

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(Chief Executive Office	BY HEADQUARTES RESEARCH FACILITY OFFICIAL re Officer or Legally Responsible Institutional Official) the above is true, correct, and complete (7 U.S.C. Section 2143).  NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)  DATE SIGNED	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
•		•
		.

interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 84-R-0014

FORM APPROVED OMB NO. 0579-0036

### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA ColoRAdo CollEGE 14 F. CREAE LA PoudRE 80903-3298 Colo. SPROS, CO

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Sites) BARNES/Olin Rooms in thru 137 HAII Rooms 233 And 324 REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM 7023A.) D. Number of animals upon animals being Number of animals upon which teaching, animals upon Animals Covered bred, which experiments, experiments, research, surgery or tests were which teaching. By The Animal conditioned, or conducted involving accompanying pain or distress teaching, research, Welfare Regulations research. held for use in to the animals and for which the use of appropriate surgery, or tests were experiments, or anesthetic, analgesic, or tranquilizing drugs would teaching, testing, conducted involving lesis were TOTAL NO. experiments. accompanying pain or have adversely affected the procedures, results, or conducted OF ANIMALS research, or interpretation of the teaching, research, distress to the animals involvina na and for which appropriate surgery but not experiments, surgery, or tests. (An explanation of pain, distress, or yet used for such the procedures producing pain or distress in these anesthetic, analgesic, or (Cots. C + D + E) use of painanimals and the reasons such drugs were not used purposes. tranquilizing drugs were relieving drugs. must be attached to this report). Dogs Cats

Guinea Pigs Hamsters Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals

13. Other Animals ASSURANCE STATEMENTS

1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during,

2). Each principal investigator has considered alternatives to painful procedures.

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and re principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this an principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all suich exceptions is attached to this annual report addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other espects of

## CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

ATURE OF CEO OF HERE	<del></del> .
MTURE OF CEO, OR INSTITUTIONAL OFFICIAL	(b)(e)
	(6)(7)(0

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

Colorado College (b)(6

-24-99

Interagency Report Control No 93

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 84-R -0016

FORM APPROVED OMB NO. 0579-0036

HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Denver Health Medical Center 777 Bannock St. Denver, CO 80204

ANNUAL	REPORT OF RESEAR	CH FACILITY
	(TYPE OR PRINT)	(ust I)
	REPORT OF RESEAR (TYPE OR PRINT)	1094

3. REPORTING FACILITY (List all I sheets if necessary.)	locations where animals	were housed or used	in actual research, testing, teac	hing, or experimentation, or held for these purposes. Atta	ch additional
	T	FAG	CILITY LOCATIONS (Siles)		
				b.	
					······
REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	l (Attach adiditional sheets if ne	cessury or use APHIS FORM 7023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	,				
9. Non-human Primates				,	
10. Sheep					
11. Pigs		28			28
12. Other Farm Animals					
Goats		12			12
13. Other Animals				•	, .
ASSURANCE STATEMENTS				11.51	11
Professionally acceptable st and following actual researc     Each principal investigator h	ch, teaching, testing, su	rgery, or experimentati	on were followed by this resear	ate use of an entitled analysis and transport of the children drups in the children drup drups in the children	or to, during,
This facility is adhering to the principal investigator and apprincipal investigator and apprincipal investigator.	ne standards and regula pproved by the Institution	tions under the Act, ar	nd it has required that exception Use Committee (IACUC). A sun	ns to the standards and jegulations be specified and explainmany of all such exceptions is attached to this annual exceptions, as well as the species and number of numbers.	l'report. In

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQ	UARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or	angally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(b)(b) (b)(7)(c)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

Medical Center

10/20/9

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 78-23 (OCT 88), which is obsolete)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

FORM APPROVED

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

ANNUAL REPORT OF RESEARCH, FACILITY (TYPE OR PRINT)

FORT LEWIS COLLEGE DEPT. OF BIOLOGY . 1000 RIM DR. DURANGO, CO

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

A. Animals Covered ; By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research; experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (COIS. C + D + E)
4. Dogs					0
5. Cats					0
6. Guinea Pigs					0
7. Hamsters			l		0
8. Rabbits					0
9. Non-human Primates				·	0
10. Sheep					0
11. Piqs					0
12. Other Farm Animals				-	0
13. Other Animals					
leopard frogs			24		24

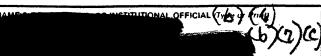
ASSURANCE STATEMENTS	A	SS	URANC	E ST	ATEMEN	ITS
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- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate its drugs, prior to, during. and following actual research, teaching, testing, surgery, or experimentation were followed by this resear
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be sprincipal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary if all such exceptions is attacted addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions. ACC. ACC. and explained by the ed to his annual report. In and rember of animals affected.
- ate veterinite with Dockersee the adequacy of other aspects of 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of 3animal care and use.

### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)



APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 84-R-6024

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

COBE BCT, Inc. 1201 Oak Street Lakewood, CO. 80215

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) (ust I)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

COBE BCT, Inc.

1201 Oak Street

Lakewood, CO. 80215

REPORT OF ANIMALS USED BY	OR UNDER CONTROL OF	RESEARCH FACILITY	f (Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A.)	
A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs			51		51
7. Hamsters					
8. Rabbits			52		52
9. Non-human Primates	·				
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals				•	
-					
				100 多图图11 加多四	
ASSURANCE STATEMENTS				112/1	

1)	Professionally acceptable standards governing the care, treatment, and use of animals, included following actual research, teaching testing surgery or experimentation were followed	luding approriate use of anesthetic, an	algesic, and tranquilizing drugs, prior to, during
	and following actual research, teaching, testing, surgery, or experimentation were followed	by this research facility	1) 200

2). Each principal investigator has considered alternatives to painful procedures

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (\$1)

DATE SIGNED

5 Ccf 99

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(b)(c), (b)(7) (c)

<sup>3).</sup> This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all-such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

See reverse side for

Interagency Report Control No 0180-DOA-AN 1-22-

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036 W

84-R-0040 OMB NO. 0579-0036 \\
2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

Inhausen Research Institute, Inc. 2625 Midpoint Br., Suite D FT. Collins, CO 80526

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

#### **FACILITY LOCATIONS (Sites)**

2625 Midpoint Or 2637 Midpoint D 2609 Riverboard CT.

REPORT OF ANIMALS USED BY	OR UNDER CONTROL OF	RESEARCH FACILITY	l (Attach adiditional sheets if ne	ecessary or use APHIS FORM 7023A.)	
Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthelic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	15	120	173		293
5. Cats	19	/37			/37
6. Guinea Pigs	10				
7. Hamsters		80			80
8. Rabbits	7	77	23		100
9. Non-human Primates					
10. Sheep					
11. Pigs		2		Per telephone w/	2
12. Other Farm Animals				19 N	0,99
				(b)(6) (b) (7)(c)	- es
13. Other Animals					
			'		
· · · ·					
ASSURANCE STATEMENTS					

- Professionally acceptable standards governing the care, treatment, and use of animals, including approximated following actual research, teaching, testing, surgery, or experimentation were followed by this research.
- anesthetic, analgesic, and tranquiliand drugs, prior to, during,

- 2) Each principal investigator has considered alternatives to painful procedures
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be sp principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such expenditions of the special and approved to this annual report addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, by Veil at the special and number of animals affected.

  4) The affending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspe hed to this annual report. In
- animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Learning that the above is true, correct, and complete (7 U.S.C. Section 2143)

MER TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

**DATE SIGNED** 

11-16-99

APHIS P (AUG 9T) (Replaces VS Y ORM 18-23 (OCT 88), which is obsolete )

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Colorado Division of Wildlife 6060 Broadway Denver CO 80216-1000

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Foothills Wildlife Research Facility 4330 W. LaPorte Ave., Ft Collins CO

A	B. Number of			cessury or use APHIS FORM 7023A.)	·
Animals Covered By The Animal Weltare Regulations	b. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquifizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep		,			
11. Pigs					
12. Other Farm Animals			, , , , , , , , , , , , , , , , , , , ,		
13. Other Animals	·			•	
ff Cattle		11			.11
Bighorn Sheep	36				0
Elk	2	20	<b>X</b> 1		21
ASSURANCE STATEMENTS					<del></del>

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approximate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, feaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending vetermarian for this research facility has appropriate authority to ensure the provision of adequate vetermary care and to oversee the adequacy of other aspects of animal care and use.

(6)(0),(6)(7)	(Chief Executive Offi	EADQUARTES RESEARCH FACILITY OFFICIAL icer or Legally Responsible Institutional Official) ove is true, correct, and complete (7 U.S.C. Section 2143)		
S	IONAL OFFICIAL	MAIS AND SECOND		DATE SIGNED
APHIS FORM 7023	(Replaces VS FORM 18/23 (OCT 88), w	which is observed.	Ow.w.ld	6
(AUG 91)		(4)(6), (6)(2)(C)	BART: WEACO	,

PART - HEACO'

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Codel

> NeXstar Pharmaceuticals 2860 Wilderness Place Boulder, CO 80301

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) C. W. J.

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles) Above location only REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM 7023A.) B. Number of C Number of E. Number of animals upon which teaching. D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments, Animals Covered By The Animal bred. which leaching, conducted involving accompanying pain or distress teaching, research, surgery, or tests were conditioned, or research, to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would Welfare Regulations TOTAL NO. held for use in experiments, or conducted involving teaching, testing. OF ANIMALS tests were have adversely affected the procedures, results, or accompanying pain or experiments, conducted interpretation of the teaching, research, distress to the animals research, or involving no experiments, surgery, or tests. (An explanation of and for which appropriate (Cols. C + D + E) surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used tranquilizing drugs were Durposes. relieving drugs. must be attached to this report). used. Dogs 0 Cats 0 Guinea Pigs 0 Hamsters 0 Rabbits 120 120 Non-human Primates Sheep 0 Pigs 11. 0 12. Other Farm Animals 0 13. Other Animals 0 ASSURANCE STATEMENTS 11 [14];, Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate set of anest and following actual research, teaching, testing, surgery, or experimentation were followed by this research bedity. gganquilizingidrugs, prior to, during,

2). Each principal investigator has considered afternatives to painful procedures

This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions a standards and explained by the addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

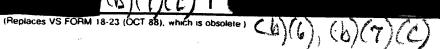
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/16/99

APHIS FORM 7023 (AUG 91)



0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Ribozyme Pharmaceuticals, Inc. 2950 Wilderness Place Boulder, Colorado 80301

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

**FACILITY LOCATIONS (Sites)** 

2950 Wilderness Place Boulder, Colorado 80301

Animals Covered  By The Animal  Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO.  OF ANIMALS  (COIs. C +  D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	0 .	0	0
7. Hamsters	0 .	0	0	0	0
8. Rabbits	0	0	0	0	0
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0 _	0
12. Other Farm Animals	0	0	0	0	0
12 00-1				•	
13. Other Animals	0	0	0	O REBUNE DI	0
				18 15 18 11 W 18 10 1	
				38 1999	····

1) Professionally acceptable standards governing the care, freatment, and use of animals, including appropriate her of anisymmetric analysis and franquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility of the control of t

2). Each principal investigator has considered alternatives to painful procedures.

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)
I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) (4(6), (b)(7)(c) DATE SIGNED

aces VS FORM 18-23 (OCT 88), which is obsolete )

Interagency Report Control No 139,0180-DOA-AN 10 12 1/59

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

R-0055

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT) (UST I

HealthONE Alliance 1850 High Street Denver, CO 80218

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

#### 5125 North Stapleton Drive 501 East Hampden Drive Denver, CO 80218 Denver, CO 80110 REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM 7023A.) B. Number of C Number of Number of animals upon which teaching, E. D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments. Animals Covered : bred, conducted involving accompanying pain or distress which leaching, teaching, research, conditioned, or to the animals and for which the use of appropriate By The Animal research, surgery, or tests were TOTAL NO. Welfare Regulations held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would conducted involving OF ANIMALS teaching, testing, have adversely affected the procedures, results, or tests were accompanying pain or experiments. conducted interpretation of the teaching, research. distress to the animals research, or experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these involving no and for which appropriate (Cols. C + D + E) surgery but not pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used vet used for such use of pain-Iranquilizing drugs were purposes. relieving drugs. must be attached to this report). used. Dogs Cats Guinea Pigs Hamsters 8. Rabbits 9. Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals NO REGULATED ANIMALS ARE **ASSURANCE STATEMENTS** 1000 Professionally acceptable standards governing the care, freatment, and use of animals, including approximate use of animals, and the approximate use of animals, and animals, animals, and animals, animals, and animals, animals, animals, animals, and animals, Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, 113

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and market to animals affected.

The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

HealthONE Alliance

10/6/99

APHIS FORM 7023 (AUG 91)

annual care and use.

(8-23 (OCT 88), which is obsolete)

2). Each principal investigator has considered alternatives to painful procedures

6)(6), (b)(7)(c)

Interagency Report Control No 0180-DOA-AN

UNITED FATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

84

FORM APPROVED

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Univera Pharmaceuticals 100 Technology Dr. #160 Broomfield CO 80021

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites) Headquarters Facility only

REPORT OF ANIMALS USED BY C	B. Number of	C Number of		- North Alexander	
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cois. C + D + E)
4. Dogs	8	0	0	8	
5. Cats	8	8	0	0	
6. Guinea Pigs	6	Ø	Ð	23	23
7. Hamsters	0	8	8	D	
8. Rabbits	0	8	0	0	
9. Non-human Primates	0	Ø	0	0	
10. Sheep	0	0	Ø	Ø	
11. Pigs	0	D	0	0	
12. Other Farm Animals	B	D	Ø	0	
13. Other Animals	8	Ø	0	· Ø	
+		·			
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					To!

#### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic large and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this anneal report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animal effected.

  1. The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the authority of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OF Chief Executive Officer or Legally Responsible Institutional Officer of Legally Responsible Institution Responsi	Ticial)
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SIGNATURE OF C.E.O. OR INSTITUTIONAL DEFICIA

NAME & TITLE OF C.E.O. OR INSTITUTIONAL DEFICIAL (Type of Print).

DATE SIGNED

9-Z9-94

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

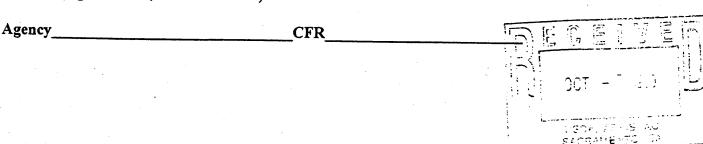
and tranquilizing drugs, prio

## Optional Column E Explanation Form

This form is intended as an aid to completing the Column E explanation. It is <u>not</u> an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists.

1. Registration Number: 84-R-0056
2. Number 33 at present of animals used in this study.
3. Species (common name) G. Pig of animals used in this study.
4. Explain the procedure producing pain and/or distress.
An occlusive wrap. placed around chest of G. Pig for 24hrs. produces distress in the animal. (skin Irritancy test) son Talked w/ Western Regional USDA director. as to diff. between stress + distress. When pigs come out of anest, they will panic for one or two minutes due to the vet wrap around their mieldle, then they sottle down. Edrinking nota prob. + they will eat if food is provided on bottom of cage. OVER
. Provide scientific justification why pain and/or distress could not be
elieved. State methods or means used to determine that pain and/or distress
relief would interfere with test results. (For Federally mandated testing, see
juestion 6 below) Unaware of anything that will releive.
Stress in a Guinea Pig.

6. What, if any, federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):



84R 0056

He told me it was a judgment call on my part as to whether this lies in Dor E column. + Since I already had the pigs in column E I will leave them theke

(b)(6), (b)(m)(c)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT) (UST ID)
1783

1. REGISTRATION NO.

84-R-0057

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

Boider PATH, Inc.
University of Coiorado at Boulder
MCD Bigliogy
Campus Box 347
Boulder, Cc 80309

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach admittional sheets it necessary or use APHIS FORM 7023A)

B. Number of D. Number of D. Number of D. Number of Animals used by the section which teaching

			<del> </del>	ecessary or use APHIS FORM 7023A.)	<del>,</del>
A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs			24		24
7. Hamsters			\		
8. Rabbits				·	
9. Non-human Primates			•		
10. Sheep					
11. Pigs					·
12. Other Farm Animals			_		
13. Other Animals					
				,	
				·	

SSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions at attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animphs affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to animal care and use.

	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICE	Á
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• \	Learning that the phaye is true correct and complain 17 H.S.C. Soution 2142)	i

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL! (Type

DATE SIGNED

APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

(b)(b), (b)(7)(c)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1784

1. REGISTRATION NO. <u>84-</u>

OMB NO. 0579-0036 U 5

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

AMC Cancer Research Center 1600 Pierce Street Lakewood, CO 80214

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

**FACILITY LOCATIONS (Siles)** 

Experimental Pathology

A.  Animals Covered  By The Animal  Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
	purposes.	relieving drugs.	used.	must be attached to this report).	
4. Dogs					
5. Cats				·	
6. Guinea Pigs				Pertelephone W/Tryn	Stimuit
7. Hamsters	0	631	0	Pertelephone W/Tryn 0 on 15 Nov99	631
8. Rabbits				$-\omega$	
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
No. Mice	0	2256	20	0	2276
Rats	0	2350	48		2398
Da				DERINE D	
ASSURANCE STATEMENTS				IM Section 1999	

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of NOV 1 2 1959 and following actual research, teaching, testing, surgery, or experimentation were followed by this research lad-
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is \$trached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as presented and include a brief explanation. addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well a high parties and includes a brief explanation of the exceptions, as well a high parties and includes a brief explanation of the exceptions.
- 4) The attending vetermanan for this research facility has appropriate authority to ensure the provision of adequate vetermary care and to oversee the adequacy of other aspects of animal care and use.

#### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91)

eplaces VS FORM 18-23 (OCT 88), which is obsolete ) (b)(7)(c)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1835

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA COLOBADO AT BOULDER

DER, CO 80309

these, purposes. Attach additional 3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experim sheets if necessary.)

FACILITY LOCATIONS (Siles)

EPO BIOLOGY

A.  Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used	F.  TOTAL NO.  OF ANIMAL:  (Cols. C +  D + E)
	purposes.	relieving drugs.	used.	must be attached to this report).	
4. Dogs					
5. Cats					1-1-
6. Guinea Pigs	0	10	0	<del></del>	10
7. Hamsters	1560	0	375	<del></del>	37.5
8. Rabbits	2	3	0	<del></del>	3
9. Non-human Primates					
10. Sheep					<del> </del>
11. Pigs					
12. Other Farm Animals	-				
13. Other Animals					
BOLDEN HANTLER	)				
BOLDEN HANTHEL BROWN SAUJEREL	ð	0	45	<del></del>	45
			**		

_				_
ASSI	JRANCE	STA	TEME	NTS

- tic, analgesic, and tranquilizing drugs; prior to, during, Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesch and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility DEC - 6 1999
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions, is always a species and funder of animals affected. Saluration of identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions as well as the species and funder of animals affected.
- 4) The attracting veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(b)(b). (b)(7)(c	(Chief Executive Officer or Legally Responsible Institutional Official)  Legally that the above is true, correct, and complete (7 U.S.C. Section 2143).
W/W/, CB/C//CL	THE PARTY OF THE P

TITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Heplaces VS FORM 18-23 (OCT 88), which is obsolete )



Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

D

1. REGISTRATION NO.

FORM APPROVED Laris OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Code)

ANNUAL REPORT OF RESEARCH FACILITY **Bayer Corporation** (TYPE OR PRINT)

800 Dwight Way, P.O. BOX 1986 Berkeley, CA 94701-1986

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Bayer Pharmaceautical, Berkeley, CA 94701

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or fests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs		610			610
7. Hamsters					
8. Rabbits	12	1,245	75	24	1,344
9. Non-human Primates			112		112
10. Sheep					
11. Pigs		···-			
12. Other Farm Animals					
13. Other Animals					
ASSURANCE STATEMENTS				1131	

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of animals, including approximate use of animals, and animals, animals, and animals, and animals, and animals, animals, and animals, and animals, animals, animals, and animals, animals, animals, Of Guilizing drugs, prior to, during,

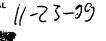
2). Each principal investigator has considered alternatives to painful procedures

This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected

The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
COVER CONTROL	(Chief Executive Officer or Legally Responsible Institutional Official)
11.3// 21.6 2.7 4.4	Learning that the above is true correct, and complete (7.11.5.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

**APHIS FORM 7023** (AUG 91)

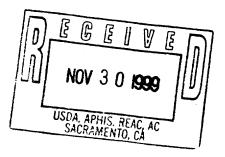
(Replaces VS FORM 18-23 (OCT 88), which is obsolete )

93R0018

Registration No. 93-R-0018

# EXPLANATION OF A PROCEDURE PRODUCING PAIN OR DISTRESS IN RABBITS

24 rabbits were injected with lactic acid intravenously. This caused an apparent transitory discomfort lasting from a few seconds up to two minutes. A test for pyrogens in materials used in pharmaceuticals is required by the FDA. This test must be run per the USP procedure which does not provide for anesthetics or analgesics to be used. The company completed in-house testing and validation of the Limulus Amebocyte Lysate (LAL) assay for use in lactic acid screening and replaced the rabbit pyrogenicity test for lactic acid with this *in vitro* assay after the use of theses 24 rabbits. The FDA approved this test change.



UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO 33 - R-0348

FORM APPROVED SOMB NO. 0579-0036

HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

## ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

BERLEX BIOSCIENCES 15049 SAN PABLO AVE RICHMOND, CA 94804

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these -purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

15049 SAN PABLO AVE, RICHMOND CA 94804

A.  Animals Covered  By The Animal  Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving, accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	9	21	9	6	36
5. Cats	0	0	0	· 0	0
6. Guinea Pigs	0	42	0	0	42
7. Hamsters	0	0	0	0	0
8. Rabbits	0	296	0	3	299
9. Non-human Primates	0	0	0	0	0
10. Sheep	. 0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals					
MINI-PIGS	0	12	0	0	12
				F R R I I I I I	

1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anim

2). Each principal investigator has considered alternatives to painful procedures.

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions of the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is a summary of this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the same and add furnished a fundamental and the same and the

4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the indequate yol other aspects of appropriate authority to ensure the provision of adequate veterinary care and to oversee the indequate yol other aspects of appropriate authority to ensure the provision of adequate veterinary care and to oversee the indequate yol other aspects of appropriate authority to ensure the provision of adequate veterinary care and to oversee the indeputition of the provision of adequate veterinary care and to oversee the indeputition of the provision of adequate veterinary care and to oversee the indeputition of the provision of adequate veterinary care and to oversee the indeputition of the provision of adequate veterinary care and to oversee the indeputition of the provision of adequate veterinary care and to oversee the indeputition of the provision of the provision

CB)(6),(6)(7)(c)

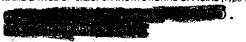
CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)



DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(b)(G), (b)(7)(c)

### Exemption:

For the duration of this particular experiment, which lasted up to 4 weeks, animals assigned to the protocol were exempt from group exercise. This exemption was reviewed and approved by the ACUC. Study animals were housed in the study room in typical one- over- one cages approved for the laboratory animals. This exemption was instituted as a safety measure in order to closely monitor the animals for any potential adverse reactions as well as to allow for necessary collection of all physiological samples following administration of test compounds and new formulation concepts. For the duration of these experiments all animals received additional positive human contacts several times per each day of experiments.

### Animals Listed in Column E:

Additionally, in year 1999, a total of six dogs and three rabbits experienced some degree of complications associated with the implantation of medical devices and subsequently these animals were euthanized.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

14

1. REGISTRATION NO. 93-R-004

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Long Beach Memorial Med. Ctr.

Memorial Health Services
Research Administration
2625 Pasadena Ave.
Long Beach, CA 90806

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

Nebeker Ranch, Lancaster California

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMAL:  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters		144			144
8. Rabbits		17			17
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals			9	100	109
13. Other Animals					
Rats		258			258
Mice		63			63
				ERBING .	

1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of animals, including approriate use of animals, analgesic, and tranquilizing diugs prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures.

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is SIMEARGAR this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the significant formulas affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(Chief Executive O	HEADQUARTES RESEARCH FACILITY OFFICIAL  Officer or Legally Responsible Institutional Official)  above is true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME - TITLE OF C.E.O. OR INST	DATE SIGNED
	6. 1/4)	

APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(b)(6), (b) (7)(c)

# 93R0043

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Â	8	C	D	Ε

# **ATTACHMENT #1**

Date: November 12, 1999

Re: Information requested by USDA -

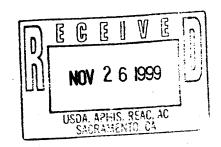
Requested information: an explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used.

The procedures performed involve extremity surgery of the goat's stifle joint. The surgeries are part of investigational studies focusing on three main areas: ligament repair, reconstruction or regeneration; meniscus repair or reconstruction; and articular cartilage repair or regeneration.

Pain relief is a primary concern when doing surgical procedures in experimental animals. During the surgical procedure pain relief was provided through the use of appropriate anesthetic agents. All animals were premedicated with xylazine hydrochloride, one mg/Kg IM. After 3-5 minutes, ketamine hydrochloride, 4.5 mg/Kg IM, was administered for induction and surgical prep of the animals. Each animal received preoperative penicillin (Bicillin LA with Procaine - 2.4 million units, deep IM) for prophylaxis. Each animal was intubated with an endotracheal tube for gas anesthesia and a gastric tube was passed into the stomach to reduce bloating and regurgitation. Maintenance of a surgical plane of anesthesia was achieved by inhalation anesthesia using isoflurane (range 0.5-2.0% depending on animal) (Marsam Pharmaceuticals, Inc., Cherry Hill, NJ) and oxygen (1.5 L/min). While under anesthesia the heart rate, respiratory rate and mucus membranes were monitored a minimum of every 15 minutes.

Post-operatively, pain relief may be accomplished by providing analgesic medications. However, for certain procedures no postoperative pain medications are administered so that information can be gained about how well a surgical procedure is tolerated. The goat model appears to be a good indicator of how certain orthopaedic surgical procedures are tolerated. Goats tend to not get up and stand if the surgical procedure is not well tolerated. If the surgical procedure is tolerated, the goat usually gets up but will not fully weight bear on the operated limb for a period of 2-3 days. The used of postoperative analgesics can mask this information and allow the animal to possibly weight bear before it normally would. Premature weight bearing on delicately repaired structures can possibly adversely affect the results and outcome of our studies. Generally, we do not want the goats up and weight bearing until the animal is able to tolerate this activity. In some cases a splint and/or resin cast is applied to the leg for immobilization. While pain relief medications can be provided to animals in splint/cast immobilization, care must be taken with animals in splints so that they are alert enough to learn how to used the applied splint.

As of September 1999 all experimental subjects in which articular cartilage repair surgical procedures are conducted routinely receive postoperative analgesics. Accordingly, these animals would be classified under column D in the future. The following is the administration protocol: Drug name: **Buprenex Injectable (buprenorphine hydrochloride)**; Dosage: 0.007 – 0.01 mg/kg, subcutaneous injection, initial dose 30 minutes post surgery. Every 24 hrs (use judgment), duration: 1 day (use judgment).



UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code)

FORM APPROVED OMB NO. 0579-0036

### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

International Immunology Corporation 25549 Adams Ave.

				Murrie	ta, Calif	. 9256	2		
3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, to sheets if necessary.)					hing, or experimen	tation, or hel	d for the	se purposes. Att	ach additional
51	IME	EAG	TH ITY I OCA	TIONS (Sites)				<del></del>	
		FAC	JEITT EOCA	TIONS (Siles)					
REPORT OF ANIMALS USED BY C	·	F RESEARCH FACILITY	(Attach adi	ditional sheets if no					·
A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	which e teachin surgery conduct accomp distress and for anesthe	r of animals upon experiments, g, research, , or tests were ted involving panying pain or is to the animals which appropriate stic, analgesic, or lizing drugs were	to the animal anesthetic, as have adverse interpretation experiments, the procedur	research, survolving accors and for whinalgesic, or the leach surgery, or the surgery, or the producing the reasons:	rgery or I mpanying ich the us ranquilizi ne procec ning, rese ests. (An I pain or such drug	ests were g pain or distress se of appropriate ing drugs would dures, results, or	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs									
5. Cats									
6. Guinea Pigs									
7. Hamsters									
8. Rabbits					·				
9. Non-human Primates									
10. Sheep									
11. Pigs									
12. Other Farm Animals								·	
GOAT	367				656				656
13. Other Animals									
						3 6	15	VE	
ASSURANCE STATEMENTS					11,			[ ] ]	
Professionally acceptable s and following actual resear	tandards governing the	care, freatment, and u irgery, or experimental	se of animal	s, including appror owed by this resea	iate use of anestife rch facility.	ic, anaNOV	· =20 1B	ndereno dridsi i	prior to, during,
2). Each principal investigator has considered alternatives to painful procedures.									
3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations by affective and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of allisuch exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.									
4). The attending veterinarian animal care and use.	for this research facility	has appropriate autho	rily to ensui	e the provision of a	idequate veterinary	care and to	oversee	the adequacy of o	ther aspects of
	(Chief E	ATION BY HEAI xecutive Officer ertily that the above is	or Legall	y Responsible	Institutional (	Official)	AL .		
			NAME	& TITLE OF C.E.O.	OR INSTITUTIONA	L OFFICIAL	(Type or	Print)	DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

# Column E Explanation

93 R 0287

1. Registration Number: 93 - R - 0287

2. Number of animals used for Polyclonal Antibody Procedure: 656

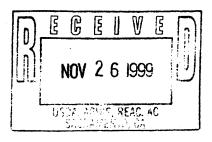
3. Species of animals used for study: Goat

# 4. Explanation of procedure producing pain or distress:

The use of Freund's Complete Adjuvant (CFA) for the production of antibodies may cause results ranging from momentary or slight pain, to distress such as decreased appetite/activity level, adverse reactions to touching inoculated areas, open sores/necrotic skin lesions, abscesses or lameness. IIC employs the use of minimal amounts of CFA in the production of polyclonal antibodies, and is committed to insure that the animals receive any care necessary to relieve symptoms noted above. The least amount of CFA possible is used per injection/animal to obtain acceptable results, and the animals are monitored twice daily to insure their comfort.

#### 5. Justification:

All animals are observed before and after procedures, as well as, twice daily for sign of distress and/or abnormal symptoms. Typically, pain or distress is not noted, therefore not requiring any treatment modalities for relief. Any animals appearing to show distress are reported to the manager and appropriate steps are taken to relieve such distress. Preventative measures, such as analgesics, anesthetics or tranquilizing drugs, are not employed due to the absence of observable signs of pain or distress.



UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

# 1. REGISTRATION NO 73 - R-044T

FORM APPROVED
OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

University of California, San Francisco Laboratory Animal Resource Center San Francisco, CA 94143-0564

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

See attached.

A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs		0	136	0	136
5. Cats	14	6	265	0	265
6. Guinea Pigs		127	88	0	215
7. Hamsters		197	2.092	0	2,289
8. Rabbits		167	1,804	50	2,021
9. Non-human Primates		1	197	0	198
10. Sheep		0	428	0	428
11. Pigs		0	424	0	424
12. Other Farm Animals					
13. Other Animals					• •
Ferrets		0	13	0 ·	13
•				DE C	7.

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of amendatic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the Species and number of animals affected.
- 4) The attending vetermanum for this research facility has appropriate authority to ensure the provision of adequate vetermanum to this research facility has appropriate authority to ensure the provision of adequate vetermanum to this research facility has appropriate authority to ensure the provision of adequate vetermanum to this research facility has appropriate authority to ensure the provision of adequate vetermanum to this research facility has appropriate authority to ensure the provision of adequate vetermanum to this research facility has appropriate authority to ensure the provision of adequate vetermanum to this research facility has appropriate authority to ensure the provision of adequate vetermanum to the adequacy of other aspects of animal care and use.

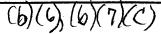
(1) (1) (1) (1)					
	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)				
, , , , , , , , , , , , , , , , , , , ,	he above is true, correct, and complete (7 U.S.C. Section 2143)				
and the second second					
SIGNATURE OF C.E.O.	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type				

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/19/99

APHIS FORM (AUG 91 FORM 18-23 (OCT 88), which is obsolete)



# 93R0440

3. The following are the locations where regulated animals were housed or used during the year [Section 2.36(b)(4)]:

Parnassus Heights Campus
Hunters Point Campus
Laurel Heights Campus (not used for regulated animals in FY 98-99)
Mission Center Campus (not used for regulated animals in FY 98-99)
San Francisco General Hospital

#### Column E:

The University of California at San Francisco is committed to using laboratory animals in such a way as to minimize pain or discomfort. Each project is reviewed by a committee and many protocols have been redesigned to meet this goal. Attached are the explanations of the procedures producing pain or distress in the animals covered by Subchapter A - Animal Welfare and reported in column E during the period 10/1/98 through 9/30/99 and the reasons anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretations of the research. Separate Optional Column E forms (2) are attached.

# Optional Column E Explanation Form

This form is intended as an aid to completing the Column E explanation. It is <u>not</u> an official form and its use is voluntary.

93R0440

			ood by lay persons as well as scientists.
1.	Registration Num	ber: <u>93-R-0440 (form</u>	erly 93-R-044I)
2.	Number	18	of animals used in this study.
3.	Species (common	name) <u>Rabbit</u>	of animals used in this study.
4.	Two procedures coover the right neck performed in Categanalgesia has not be this animal model in inoculation. Untrein these animals. So in two to three days replacement and so	However, general and gory B animals. As the peen deemed necessary. It may cause distress to a stated, control rabbits are essigns of infection abate via a buring the first two dates. During the first two dates are calories until the appearance of the condition of the condition of the calories until the appearance of the calories until the app	ress in the animals. I) Aortic valve catheterization is performed via a cut-down local anesthesia are provided prior to and during the procedure, which is also period of discomfort is brief and animals suffer no ill effects from it, additional (II) The experimental infection that is produced with Staphylococcus aureus in mall proportion of the animals. Signs of infection appear at 18-24h after enthanized approximately 24h after inoculation, which minimizes the distress with institution of antimicrobial agents in treated animals and generally resolve anys of the experiment, supplemental fluid is administered to provide fluid petite returns. If fluid intake remains poor thereafter, fluid supplements are chast carrots, lettuce, and greens are provided to encourage food intake and to
5.	determine that par question 6 below) Analgesics are not a prominent sympto- in association with feature of tricuspid experience with sex sided endocarditis. signs of the disease depression, and the agents other than an	be used during the period om of endocarditis. The endocarditis that occurs valve (or right-sided) en veral hundred cases of en Also the protocol includes. 2) Analgesics also may reby contribute to mortantimicrobials in a model	and/or distress could not be relieved. State methods or means used to a would interfere with test results. (For Federally mandated testing, see do of infection for the following reasons. 1) They are not necessary. Pain is not chapter in Mandel's "Principles and Practice of Infectious Diseases" lists pain at various locations at a frequency of 10-15%. Pain is a more prominent adocarditis, but the model is aortic valve endocarditis. Based on my adocarditis in humans, analgesics are rarely needed in the management of left-des use of fluid supplementation and antimicrobial therapy, which ameliorate by alter the natural course of the disease, lead to over-sedation or respiratory lity, or have unanticipated interactions with antimicrobials. Administration of of this type would be highly questionable scientifically and analgesic agents this model of infection.
6.			this procedure? Cite the agency, the Code of Federal Regulations (CFR) ther (e.g., APHIS, 9 CFR 113.102):
	Agency		CFR

# **Optional Column E Explanation Form**

93R0440

vo	This form is intended as an aid to completing the Column E explanation. It is not an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists.					
1.	Registration Number: 93-R-0440 (formerly 93-R-044I)					
2.	Numberof animals used in this study.					
3.	Species (common name) Rabbit of animals used in this study.					
4.	Explain the procedure producing pain and/or distress.  The Committee on Animal Research (UCSF's IACUC) requested that these rabbits be categorized as Column E usage because they were exposed to tobacco smoke. This determination was based on the discomfort felt by humans in the room in which these rabbits are housed during the period of the exposure to second-hand smoke. However, it is not clear that this causes any physical distress to the rabbits. They are exposed to tobacco smoke for 8 hours per day, 5 days per week, for 10 weeks, and otherwise breathe clean air. Their food intake is the same as controls and their weight gain is the same as controls. They also have a drug placed in their drinking water which does not seem to cause any distress. Their water intake is the same as the controls. Thus, neither of the above appear to produce any distress and therefore no countermeasures appear necessary. Blood samples are drawn twice during the whole 10 week period. This is done by withdrawing blood from an ear vein with the rabbits in a restraining box for a short time. Again, there does not appear to be evident stress with the blood drawing.					
5.	Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see question 6 below)  Because the purpose of the study is to determine the comparative effects of angiotensin converting enzyme inhibitors and angiotensin receptor blockers on vascular function and atherosclerosis in cholesterol-fed rabbits exposed to second-hand smoke, additional fresh air would eliminate the exposure required to measure the effects. It is unclear that any pain or distress is caused by exposure to tobacco smoke or by drinking water with drug dissolved in it					
6.	What, if any federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):					
	AgencyCFR					

Interagency Report Control No G-D-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1183

1. REGISTRATION NO.

93-R-0029

FORM APPROVED OMB NO. 0579-0036

HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Roche Bioscience M/S R2-ITS 3401 Hillview Avenue Palo Alto, CA 94304

### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

3401 Hillview Avenue, Palo Alto, CA 94303

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	175	402	246	8	656
5. Cats	8	0	61	0	61
6. Guinea Pigs	10	49	102	0	151
7. Hamsters	0	0	0	0	0
8. Rabbits	30	90	34	0	124
9. Non-human Primates	206	118	34	4	156
10. Sheep	0	0	0	-0	0
11. Pigs	9 .	0	29	11	40
12. Other Farm Animals					
13. Other Animals					
Frogs	0	12	17	0	29
ASSURANCE STATEMENTS					

Professionally acceptable standards governing the care, treatment, and use of animals, including approrrial efficient analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research lability.

2) Each principal investigator has considered alternatives to painful procedures

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary dealt such exceptions is the exceptions of the exceptions in the exceptions of the exception of

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinarian for this research facility has appropriate authority to ensure this provision of adequate veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinarian facility in the provision of adequate veterinarian facility and the provision of adequate veterinarian facility in the provision of adequate veterinarian facility and the provision facility and the provision facility and the provision facility and the provision facilit

(b)(6), (b)(7)(c)

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

, Roche Palo Alto

DATE SIGNED 23 NUV

APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(b)(b)(7)(c)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

43R002

### ROCHE BIOSCIENCE Registration No. 93-R-0029 Explanation for Category E, APHIS Form 7023 10/1/98-9/30/99

Roche Bioscience animal research and testing protocols are designed, insofar as is possible, to eliminate pain and distress. In some cases, however, the use of anesthetics, analgesics, or tranquilizing drugs would impair or invalidate test results.

Six dogs may have experienced pain or distress when they were used to evaluate the toxicity potential of new drugs as required by regulatory agencies (i.e., FDA). It was not the intent of the studies to produce pain. For decades, the FDA has required the use of one rodent and one nonrodent species to prove drug safety. Recent references include the Federal Register, August 26, 1996, Vol. 61, #166, pg. 43933 to 43935, and Center for Drug Evaluation and Research Guidance for Industry: M3 Nonclinical Safety Studies for the Conduct of Human Clinical Trials for Pharmaceuticals, July 1997. Dogs and nonhuman primates are the industry standards for nonrodent, mammalian species.

Eleven pigs, 2 dogs, and 4 nonhuman primates may have experienced pain or distress on the IACUC protocols "Urethral Obstruction Model in Conscious Pigs", Urethral Obstruction Model in Conscious Dogs", and "Urethral Obstruction Model in Conscious Cynomolgus Monkeys", respectively. Chronic urinary bladder obstruction in humans is due primarily to an enlarged prostate. The large animal model is intended to mimic the chronic human condition, therefore, a surgically implanted obstruction must be present for at least 4-6 weeks before the model is useful. The purpose of this study is to study the disease and develop drugs to prevent symptoms related to involuntary bladder contractions that are caused by a supersensitivity of nerves innervating the bladder. The supersensitivity develops as the result of urine retention and increased voiding pressures that occur over an extended time period (i.e., months). Animals were administered post-surgical analgesics and were closely monitored by the research and veterinary staff. Analgesics alone would not prevent or relieve the discomfort from the urge to urinate, and anesthetics would not be feasible due to the long time period necessary for the model to develop. Sedation was provided to animals that demonstrated more pronounced straining. Animals were euthanized if severe complications arose.

- 1. Speakman, MJ, et al. Bladder Outflow Obstruction Cause of Denervation Supersensitivity. The Journal of Urology. 138:1461-1466, 1987.
- Jorgensen, TM, et al. Experimental Bladder Hyperreflexia in Pigs. Urological Research 11:239-240, 1983.
- 3. Sibley, GNA. An Experimental Model of Detrusor Instability in the Obstructed Pig. British Journal of Urology. 57:292-298, 1985.

# IACUC-Approved Deviations from U.S.D.A. Standards

Twenty-three dogs were excluded from regular exercise periods for 4-21 days following administration of radioactively-labeled compounds as part of a metabolism study. They were confined to individual metabolism cages to allow collection of excreta. The cage size conformed to USDA standards. During this period, they all received extra attention and human interaction. They were housed in a room with other dogs on the study and were therefore in visual, olfactory, and auditory contact.

**Roche Bioscience** 

Pharma Division

3401 Hillview Avenue Palo Alto California 94304-9819

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO. 93-R-0193

FORM APPROVED OMB NO. 0579-0036

ADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA
lude Zip Code) (b) (b)
Chi(7)(C)
young verter make research services
7242 FOST AVENUE
Timber CA 95387
young Veltri warm Restauch Services 7243 East Avenue Tulock (A 95387)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

7243 EAST Ave, Turlock, CA

213 S. Roselawn, Turlock CA 95380

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach addictional sheets if necessary or use APHIS FORM 7023A.)					
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	0	228	0	ষ্ট	236
5. Cats	0	130	0	0	130
6. Guinea Pigs	,				
7. Hamsters					
8. Rabbits	_				
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
Horses	0	20	0	0	20
Cows	0		0	0	0
				R 19 22 22	
ASSURANCE STATEMENTS				1111-3 6 3 1 1/12 1-11	

#### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of aliesting analgesic, and tranquilizing d blior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered afternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and indipogral animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the animal care and use.

#### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143).

C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

0316699

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

# **Optional Column E Explanation Form**

This form is intended as an aid to completing the Column E explanation. It is <u>not</u> an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists.

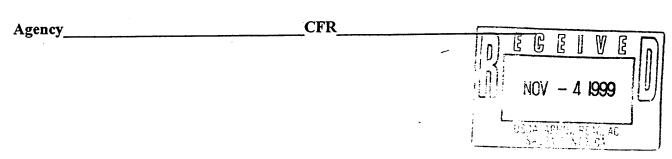
1. Registration Number: 93-R-	0193				
2. Number	of animals used in this study.				
3. Species (common name) of animals used in this study.					
4. Explain the procedure producing pain	and/or distress.				
sodium mono-unte cyst	als were injected into the				
	dog while it was under				
	is induced a subsequent				

synovitis ad subacute lameness of short duration.

All dogs were dinically pain free within 2 days.

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see question 6 below) The study was designed to evaluate the effects of anti-in flammatory drugs on the crystal induced arthritis. A good response was found if the dog's lameness imposed. Analogesia would have masked any response (or lack of response) to test drugs.

6. What, if any, federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):



See reverse side for additional information interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 84-R-∞5

FORM APPROVED OMB NO. 0579-0036 L

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

University of Colorado Health Sciences Center 4200 E. 9th Avenue, Box A-095 Denver, Co. 80262

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

See Attached							
see Attached							
							•
PORT OF ANIMALS USED BY O	R UNDER CONTROL O	F RESEARCH FACILITY	f (Altach adio	litional sheets if ne	ces	sary or use APHIS FORM 7023A.)	
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in	C Number of animals upon which leaching, research, experiments, or	D. Number which e teaching surgery,	of animals upon eperiments, g, research, or tests were ed involving	_	Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would	F.  TOTAL NO OF ANIMAL

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs			96		96
5. Cats					0
6. Guinea Pigs		3	130	92	225
7. Hamsters		4			4
8. Rabbits		38	103	83	224
9. Non-human Primates	105			15	15
10. Sheep		2 .	170	7	179
11. Pigs			80		80
12. Other Farm Animals				·	
Goats			3		3
13. Other Animals					
3.					
				VO OTATIUMONO	<del></del>

#### ASSURANCE STATEMENTS

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, and tranquilizing drugs, prior to, du and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such e addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well a

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary

	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
11.3	(Chief Executive Officer or Legally Responsible Institutional Official)
ila)	<ul> <li>Lectify that the above is true, correct, and complete (7 U.S.C. Section 2143)</li> </ul>

DATE SIGNED

11/29/

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFIC

(b)(6), (b)(7)(c)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

#### **CATEGORY E STUDIES**

### 1. Sheep exposed to heat stress - 7 sheep

## **Description of Procedures:**

Pregnant sheep are placed in an environmental chamber that cycles room temperature between 40-40.5 °C for 12-14 hours/day and 35 °C for the remainder of the day from day 33-35 of gestation until day 90-115. Humidity in the chamber is 45-50%. Animals are housed in standard cages with ad lib water and food. For safety, the heating system is equipped with an alarm and automatic cut-off system.

### Explanation of Reasons Why Pain- or Distress- Reliving Drugs Were Not Used:

The procedure is designed to mimic a naturally occurring phenomenon, namely, pregnancy in hot climates where fetal intrauterine growth retardation is a common problem. The animals in the chamber under these conditions give no visual or clinical indication of stress. They eat and drink normally; their stool pattern is also normal; and their wool continues to grow. The procedure does alter placental development, but since altered placental development is not known to be associated with pain or distress in any species, use of any drug or other treatments would be speculative and possibly problematic for fetal development.

### 2. Rabbits exposed to Group B Streptococci - 83 rabbits

#### Description of Procedures:

This is a study of the effects of exposure to bacteria during the birth process. At 95% gestation, rabbits are inoculated intra-vaginally with streptococci group B. After delivery, the pups are observed for up to 96 hours for signs of infection and are then euthanized. The does are observed for up to 7 days and then euthanized. In other experiments, timed pregnant rabbits are inoculated intra-cervically with Group B streptococcus (type 1a), Escherichia coli and Prevotella bivius. The pups are euthanized upon delivery and the does are observed for up to 7 days for signs of infection and then euthanized. Finally, timed pregnant rabbits (70 % gestation) are inoculated intra-cervically with E. coli and treated with ampicillin. Some animals also receive IL-1ra as a therapeutic intervention. At 1, 3 or 5 days after inoculation, the animals are euthanized

### Explanation of Reasons Why Pain- or Distress- Reliving Drugs Were Not Used:

It is important to understand the risk of maternal and newborn infection. Therefore, it is necessary to allow the experiment to continue until it can be determined whether or not the does and neonatal rabbits become infected by exposure to bacteria



during the birth process. Vaccines or antibiotics given to mothers before delivery may be an effective treatment. The difference in outcome of animals given vaccines or antibiotics and those not treated is the focus of these studies.

# 3. Guinea pigs exposed to bacteria infection - 39 guinea pigs

## **Description of Procedures:**

This protocol uses an otitis model in guinea pigs. Otitis externa is induced bilaterally in anesthetized guinea pigs by inoculation of both ears with suspensions of one of three microorganisms. Studies are conducted by singular infections using 1) Staphylococcus aureus; 2) Pseudomonas aeruginosa; and 3) Malassezia pachydermatis. The guinea pigs are examined daily. During establishment of the model, the animals are re-anesthetized and the ears examined on days 3, 7, 9, 13, 17 and 22. All ears are cultured, and examined and graded for 1) inflammation; 2) edema; and 3) debris accumulation. Experiments are concluded at 22 days after initiation of infection. All animals are then euthanized by an overdose of anesthetic.

## Explanation of Reasons Why Pain- or Distress- Reliving Drugs Were Not Used:

The animals in this model, as reported, show mild lethargy and irritability at the heighth (6-7 days after inoculation) but this is a transient behavior which resolves as the otitis external resolves. Inflammation is one measured data point; therefore masking it with analysesics or anti-inflammatory agents is contraindicated.

# 4. Decapitation without prior anesthesia in guinea pigs - 53 guinea pigs

### **Description of Procedures:**

Bradykinin affects many different tissues in the body. For effective drug development, new antagonists must be tested in a standard "classic" assay system. In this protocol, guinea pigs are euthanized by decapitation without prior anesthesia. Segments of the terminal ileum are then removed and hung in a tissue bath. Tissue responses are standardized with bradykinin, and then new potential antagonists are applied to the tissue to see if they block the action of the next standard  $ED_{50}$  dose of bradykinin applied to the tissue.

# Explanation of Reasons Why Pain- or Distress- Reliving Drugs Were Not Used:

Bradykinin is a peptide hormone involved in causing many serious kinds of inflammation, such as septic shock. The Investigators are developing new, more potent bradykinin antagonists as potential new drugs for these conditions. Isolated guinea pig ileum is the classical standard assay system for bradykinin. In order to compare results

with new compounds, they must first be tested in this system. No one has described a more humane procedure that doesn't require anesthesia. Anesthesia adversely affects the response of the tissue. This has been demonstrated in the Investigators' laboratory, as well as in other laboratories. Additionally, the Investigator has tried using carbon dioxide anesthesia and found that the stress caused by this process causes bradykinin to be released in the tissues, such that an adequate baseline cannot be obtained.

# 5. Maternal-Infant separation in non-human primates - 6 mothers and 6 infants (2 M. nemistrima + 2 infant, 4 M. radiata + 4 infants) (Total = 12 primates)

### **Description of Procedures:**

When infants are 6 months old, mothers are removed from the social group for one separation period that lasts two weeks. During this time the infant is immunized with tetanus toxoid and blood is sampled biweekly. The infant remains with its social group during separation.

### Explanation of Reasons Why Pain- or Distress- Reliving Drugs Were Not Used:

It is the effect of maternal-infant separation, which is being studied, so any psychoactive intervention to relieve the behavioral impact would negate the results of the study.

# 6. Parkinsonian Syndrome in non-human primates - 3 monkeys (M. radiata)

# **Description of Procedures:**

The Parkinsonian syndrome is induced when MPTP-HCL is infused into the carotid artery to produce a stable unilateral lesion in the monkey. A dose of 0.8 mg/kg MPTP-HCL dissolved in 50 cc of sterile normal saline infused into the carotid artery over 20 minutes leads to unilateral dilation of the pupil and a weak arm and leg contralateral to the side of the lesion and sensory neglect on that side. The animals are infused at a rate of 2 ml/minute using a 30 gauge needle with the infusion in the direction opposite the normal arterial blood flow. Analgesics are given to all animals for any post-operative pain. The result of the surgical procedure is a weak arm and leg and sensory neglect on the side opposite the lesion. (Water bottles are adjusted for this disability.) Thus, once monkeys have been lesioned, abilities such as locomotion, visual fields, grasping, climbing, etc. are impaired. In addition, the lesioned animals are sensitive to sound and have an enhanced startle response. After the lesioning procedure has produced the hemique! parkinsonian effect, each animal is assessed daily for any pain. L-dopa is given as needed. to assist the animal in daily routine procedures. In addition, monkey's food intake is carefully assessed and animals are hand fed if necessary until they have learned to adapt to their limitations. Daily fruit, sunflower seed, pomegranate seeds, peanuts, etc., are

provided to occupy their foraging behavior. The post transplant state lasts about six to eight months. As the animals become more adept with their routine movements, more foraging materials and additional toys are introduced.

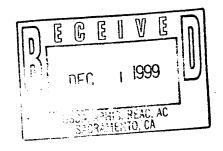
Explanation of Reasons Why Pain- or Distress- Reliving Drugs Were Not Used:

To study the effective treatment of Parkinson's disease, an animal model of the disease is essential. There are currently no effective long-term treatments for this disease and therefore no way to completely eliminate the distress that may be associated with the physical limitations imposed by this disease. It is the goal of this study to test a treatment that may effectively cure the monkeys and, ultimately, human beings.

#### **EXCEPTIONS TO REGULATIONS**

The IACUC has approved an exception to the policy regarding multiple surgeries, specifically the placement of maternal and fetal catheters in sheep. The goal of the protocol is to determine how fetal glucose and plasma insulin availability regulate fetal energy and amino acid metabolism and thereby lead to changes in fetal growth. For the 2-3 week chronic studies, an initial surgery is done to catheterize the mother's femoral artery and vein. The catheters allows the Investigators to produce, by IV infusion, the necessary metabolic conditions (e.g. insulin-induced hypoglycemia; glucose induced hyperglycemia). The fetus is too small to catheterize at this time, and maintaining patency of fetal catheters for more than 2 weeks is very difficult. Thus, a second surgery to place uterine and fetal catheters is done when the fetus is big enough and close enough to final study. The fetal catheters are then used for infusions in both hyperglycemic and hypoglycemic studies. Within the last reporting period, twenty-nine sheep have had multiple surgeries for placement of maternal and fetal catheters.

The USDA Sector Supervisor has approved an exception to the policy regarding multiple survival surgeries, specifically multiple Cesarean sections in Bonnet monkeys (letter dated 6/29/94). There is currently a moratorium on the importation of Bonnet monkeys. Therefore, multiple surgeries will use the fewest possible number of a rare species. No multiple Cesarean sections were performed during this reporting period under this exception. Furthermore, no non-human primates received a Cesarean section in the past year.



# 84R0059

Site: 001 Status: Active Center for Laboratory Animal Care (CLAC)

University of Colorado Health Sciences Center 4200 East Ninth Avenue Denver, CO 80262 County: Denver Contact Person:

Site: 002 Status: Active Department of Psychiatry Colorado Psychiatric Hospital 4200 East Ninth Avenue Denver, CO 80262 Contact Person:

Site: 003 Status: Active Fitzsimons Perinatal UCHSC Fitzsimons Campus

Aurora, CO 80045 County: Adams

County: Denver

Contact Person:

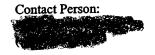
Site: 004 Status: Active IACUC UCHSC

4200 East Ninth Avenue Denver, CO 80262 County: Denver Contact Person:

Site: 005 Status: Active UCHSC Satellite Care Facilities

**UCHSC** 

Health Sciences Center 4200 East Ninth Avenue Denver, CO 80262 County: Denver



all redactions



See reverse side for additional information

Interagency Report Control No. 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 16R001

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

See Attached

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)
Oread BioSafety, Inc.

400 Farmington Avenue 438 Whitney Road Extension Farmington, CT 06032-1959 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred. conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of airmals upon which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the airmals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Muinber of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	8	152	223	27	410
5. Cats	0	7	31	6	44
6. Guinea Pigs	0	12	0	0	12
7. Hamsters	3	55	22	0	80
8. Rabbits	12	36	164	12	224
9. Non-human Primates	0	3	54	7	64
10. Sheep	0	0	0	00	0
11. Pigs	0	6	0	0	6
12. Other Farm Animals	0	0	0	0	0
13. Other Animals	0	0	0	0	0
	· .				

### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquitizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the this facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending vetermarian for this research facility has appropriate authority to ensure the provision of adequate vetermary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional (Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type in Print)

DATE SIGNED

#### **ATTACHMENT-APHIS Form 7023**

Facility Registration Number 16-R-0014

#### Column "E" entries

Species	Total No.	Reason for "E"
	of An.	Classification
Dogs	27	11 Dose Range Finding
		14 High-Dose
,		1 Found Dead
		1 Expired
Cats	6	6 High-Dose
Rabbits	12	12 High-Dose
NHP	7	7 Dose Range Finding

#### Explanation of Column "E" Entries

Oread seeks to recognize all instances of unrelieved pain and/or distress in animals. The majority of the animal studies conducted at Oread are for the purpose of safety assessment of potential new drug candidates. Among the guidelines that describe the types of studies that must be conducted with new drug candidates are:

- 1. Guidance for the Industry: Single Dose Acute Toxicity Testing For Pharmaceuticals (61FR43934), Center for Drug Evaluation and Research (CDER), FDA, August 1996.
- 2. Non-Clinical Safety Studies for the Conduct of Human Clinical Trials for Pharmaceuticals, International Conference on Harmonization of Technical Requirements for Registration of Pharmaceuticals for Human Use, July 1997.
- 3. Information on the Guidelines of Toxicity Studies Required for Applications for Approval to Manufacture (Import) Drugs (Part 1), Ministry of Health and Welfare (Japan), February 1984.
- 4. Toxicological Principles for the Safety Assessment of Direct Food Additives and Color Additives Used in Food ("Redbook II") (draft), US FDA Center for Food Safety and Applied Nutrition, 1993.

The US FDA and similar world-wide regulatory bodies generally expect safety studies submitted in support of a new drug candidate to describe adverse effects (i.e., toxicity) in animals that may be predictive of clinical toxicities. Such expectations are explicit in the referenced guidelines as per these examples:

"The test compound should be administered to animals to identify doses causing no adverse effect and doses causing major (life-threatening) toxicity" (Ref. 1).

"The goals of the non-clinical safety evaluation include a characterization of toxic effects with respect to target organs, dose dependence, relationship to exposure, and potential reversibility" (Ref. 2).

"In subacute toxicity studies...(a) toxic dose should cause death in some of the animals or apparent toxic sign..." (Ref. 3).

"For all oral toxicity studies...the high dose should be sufficiently high to induce toxic responses in test animals" (Ref. 4).

Oread maintains vigilance over the condition of animals on study, with 24-hour availability of clinical veterinary care and/or designated back ups. When toxicity is encountered, the attending veterinarian has ultimate authority to administer euthanasia. However, such authority is rarely taken without careful consideration with the designated Study Director on the scientific purposes of the study. While no study is ever conducted which relies on death as an endpoint, the guidelines make it clear that descriptions of life-

threatening toxicity are required, and that we often must allow animals the opportunity to recover from severe toxic effects. Further, the exploratory nature of the work we do combined with the necessity to dose to overt toxicity sometimes leads to unpredicted reactions.

Therefore, there have been occasions, as reported in Column "E", when the decision to euthanize an animal was not reached quickly enough to prevent spontaneous death.

Oread recognizes such instances must be minimized, even if they cannot be eliminated entirely. Examples of on-going or completed activities designed to minimize the incidence of Column "E" events are:

- 1. Establishment of a "crash kit" of emergency medications and equipment made available to the vivarium staff so as to aggressively intervene when an animal becomes distressed.
- 2. Establishment of an objective list of clinical criteria which will prompt a consultation between the attending veterinarian and the study director to consider intervention alternatives.
- 3. Training of study directors to increase awareness of clinical indicators for intervention activity.

Additionally, in response to an USDA inspection, a decision was made by the IACUC that effective May 10,1999 a new system would be implemented in which all high-dose and dose range-finding animals would be automatically categorized as Category "E". As described above, the regulatory bodies governing safety assessment studies require that dose levels are pushed to upper limits thus it is likely that these animals may experience some degree of pain and/or distress (e.g., lethargy, emesis).

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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

FORM APPROVED OMB NO 0579-0036

Address, as registered with USDA, 2. HEADQUARTERS RESEARCH FACILITY (Name and

include Zip Code)
University of South Florida 12901 Bruce B. Downs Blvd.

MDC 20

Tampa; FL 33612

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

See Attached

College of Public Health, USF, Site 002

J.A. Haley VA Hospital, Site 004

All Children's Hospital, Site 005 H. Lee Moffitt Cancer Ctr. & Res. Inst., Site 003

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs		0	34	0	34
5. Cats		1	78	0	79
6. Guinea Pigs					
7. Hamslers		11	0	0	11
8. Rabbits		36	108	38	182
Non-human Primates		46	0	0	46
10. Sheep		0	10	0	10
11. Pígs		11	74	0	85
12. Other Farm Animals					
GOATS		0	43	0	43
13. Other Animals					
	·	,			

#### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

10/27/99



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

# Attachment to APHIS form 7023 for the University of South Florida, 1999

As required by Section 13 of the Animal Welfare Act and further explained in 9 CFR Part 2, Section 2.36, the University of South Florida submits an annual report (APHIS from 7023) to the Animal Care Regional Director, and fully explains in statements attached to this form any entries made in Column E.

In the 1998-99 annual report for this institution, 38 rabbits are listed under Column E. These animals represent two separate protocol(s).

Twenty rabbits were used in evaluations of the pharmacologic prevention and therapy of cardiomyopathy, which develops as a complication in some pediatric cancer patients treated with the chemotherapeutic drug doxorubicin. When administered to patients, doxorubicin is known to cause a reduction in their food intake. Similarily, rabbits treated with doxorubicin lose their appetite for milled chow. During this interval of anorexia, doxorubicin treatments are suspended, rabbits are fed 100 grams of fresh greens such as kale, regularly consume 25-75 grams of milled chow each day, and maintain their body weights. Pair-fed control rabbits that are not administered doxorubicin experience similar intervals of restricted food offering, but also do not lose weight. All twenty rabbits involved in this investigation are reported in Column E because this period of restricted food intake/offering could occur as part of this protocol.

Eighteen rabbits were used in evaluations of whether blocking E- and P-selectins influences therapy of ischemic paraplegia. These studies contributed to an understanding of optimal therapeutic approaches for spinal cord ischemia, injury, paresis and paralysis. All eighteen rabbits involved in this investigation are reported in Column I because the general discomfort associated with progressive paresis and/or paralysis cannot always be anticipated or thoroughly alleviated, hence the opportunity for discomfort existed as part of this protocol. Since six of these eighteen (33%) rabbits experienced clinical complications not anticipated in the written protocol including immediate post-surgical dehiscence, this investigation was closed by the IACUC, and this closure appropriately reported on April 23, 1999.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO 23 57ROOZ

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Laboratories

1475 Athens Highway Programs, University Plaza Grayson, GA 30221 Status: Active

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these "purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

Difco Laboratories dba Lee Laboratories

<u></u>	B. Number of	C Number of		cessary or use APHIS FORM 7023A.)  E. Number of animals upon which teaching.	F.
Animals Covered By The Animal Wellare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	onimals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, ánalgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	TOTAL NO OF ANIMALS (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	1,283		1,153	6,945	8,098
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals		(Goats)1			13
13. Other Animals					
ASSURANCE STATEMENTS		1			

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL DESIGN

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or

DATE SIGNED

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)



# Optional Column E Explanation Form

This form is intended as an aid to completing the Column E explanation. It is <u>not</u> an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists.

. Number 6,945	of animal	s used in this study.
Species (common name) NZW	Rabbits of animal	s used in this study.
. Explain the procedure produ	ucing pain and/or distre	
See Attache	eđ	EY:
		EX:
elieved. State methods or mean elief would interfere with test r	ns used to determine tha	at pain and/or distress
lieved. State methods or mean lief would interfere with test r	ns used to determine tha	at pain and/or distress
lieved. State methods or mean lief would interfere with test r	ns used to determine thatesults. (For Federally ma	at pain and/or distress
lieved. State methods or mean lief would interfere with test ruestion 6 below)	ns used to determine thatesults. (For Federally ma	at pain and/or distress
elieved. State methods or mean elief would interfere with test rates in the state of the state o	ns used to determine thatesults. (For Federally ma	at pain and/or distress
lieved. State methods or mean lief would interfere with test ruestion 6 below)	ns used to determine thatesults. (For Federally ma	at pain and/or distress
elieved. State methods or mean elief would interfere with test rates in a below)	ns used to determine thatesults. (For Federally ma	at pain and/or distress
elieved. State methods or meanedief would interfere with test ruestion 6 below)  See Attache  What, if any, federal regulations Code of Federal Regulations umber (e.g., APHIS, 9 CFR 11	ns used to determine thatesults. (For Federally maked	at pain and/or distress and ated testing, see



November 19, 1999

Elizabeth Goldentyer, D.V.M. USDA, APHIS Eastern Regional Office, Animal Care Unit No. 3040 920 Main Campus Drive, Suite 200 Raleigh, NC 27606

Dear Dr. Goldentyer:

The 6,945 rabbits listed under Column E of our USDA Form 7023 were used to produce Treponema pallidum organisms for the diagnosis of syphilis. Under this IACUC approved protocol, number 4B, we infected rabbits with the organism, and allowed them to develop the disease for 10 to 12 days before euthanizing them. A post mortem harvest collected the Treponema spirochetes.

We may infer that the orchitis associated with Treponema infection caused some distress, but treatment of the disease would destroy, or impact, the organisms the procedure is .s NOV 9.2 1999 intended to produce.

Sincerely

(b) (6) (b) (7) (c)

1475 Athens Highway Grayson, GA 30017 USA Phone: 770.972.4450 Fax: 770.979.9570 E-mail: leelabs@ms.bd.com

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.24

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) Loyola University

2160 S. First Ave.

Route 120 & Wilson Road

Maywood, IL 60153 Status: Active

NOV 2 9 1999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Sites)

Stritch School of Medicine (see above)

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F:  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	15	0	13	0	13
5. Cats	15	0	109	0	109
6. Guinea Pigs	0	0	354	0	354
7. Hamsters	12	0	170	55	225
8. Rabbits	135	20	763	21	
9. Non-human Primates	0	0	17	0	17
10. Sheep	-	-	-	-	-
11. Pigs	0	0	38	0	38
12. Other Farm Animals	·				
Calves	0	0	2	0	2
13. Other Animals					
Frogs	0	0	5	0	5
Ferrets	5	0	132	0	132
ASSURANCE STATEMENTS	L	l			

1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2) Each principal investigator has considered alternatives to painful procedures

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS PORT (AUG 91)

, which is obsolete)

UNITED STATES DEPARTMENT OF AGRICULTURE

ANIMAL AND PLANT HEALTH INSPECTION SERVICE

I. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

33-R-0024 2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Loyola University 2160 S. First Ave.

NOV 29 1999

-Route 120 & Wilson Road Maywood, IL 60153

Status: Active

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

REPORT OF ANIMALS USED BY OF	B Number of	C Number of	D. Number of animals upon	The same with surpery of lests were	F
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain, relieving drugs.	which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analysisc, or tranquilizing drugs were used.	experiments, fiscally accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analysisc, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	(Cols. C + D + E)
(Usi by species)	0	0	2	0	2_
hort tailed shrew hite footed deer mouse	0	0	256	0	256
chipmunk	0	0	45	0	45 _
squirrel	0	0	1	0	11
vole	0	0	11	0	1
wild mouse	0	0	1	. 0	1
	<u> </u>				
					<b></b>
				·	-

#### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approximate use of anesthetic analysis. and tranquilizing drugs, prior to, during and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the this facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the listitutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report in addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, us well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects . ?

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) certify that the above is true, correct, and complete (7 U.S.C. Section 2143) DATE SIGNED NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) PART I HEADQUARTERS

# Optional Column E Explanation Form

This form is intended as an aid to completing the Column E explanation. It is not an official form
and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are
not required as part of an explanation. A Column E explanation must be written so as to be
understood by lay persons as well as scientists.

understood by lay persons as	well as scientists	S.
-		<del></del>
1. Registration Number:	33-R-0024	·
2. Number 55		of animals used in this study.
3. Species (common name)	Hamster	of animals used in this study.
4. Explain the procedure p	roducing pain a	nd/or distress.
		rile surgical procedure. Although the ng period of nerve damage prior to repair will
		and/or distress could not be etermine that pain and/or distress
		Federally mandated testing, see
		he aim of assisting nerve repair and aiding a er drugs would not permit objective evaluation
	ons (CFR) title	his procedure? Cite the agency, number and the specific section
gency	C	FR

# 33R 0024 NOV 2.9 1999

# Optional Column E Explanation Form

This form is intended as an aid to completing the Column E explanation. It is not an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists. 33-R-0024 1. Registration Number: 2. Number of animals used in this study. Rabbit 3. Species (common name) of animals used in this study. 4. Explain the procedure producing pain and/or distress. A shunt is placed in the aorta, which will bypass spinal cord blood supply while leaving supply to kidneys and lower extremities intact. The intent is to simulate paraplegia associated with thoracic aneurysm, an associated complication of aneurysm surgical alleviation. 5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see question 6 below) The experiment assesses new treatment modalities to provide limb movement past aneurysm. Although it is hoped that animals will regain full use of their hind limbs, partial or full paralysis is at least an option. The animals will be followed for 48 hours post-surgery and if full movement is not recovered, stress is unavoidable. 6. What, if any, federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):

796

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO

FORM APPRINED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA ncluste Zip Code) Přížer **Animak dradak Pasduk s**akuma Inc.

Lincoln Road East P. O. Box 221

White Hall, IL 62092

Status: Active

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, teeting, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)

Lincoln Road East

See Attached

White Wall TT. 62092 County-Greene

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, conducted in to the anima anesthetic, a have adversi interpretatio experiments, the procedur animals and	nimals upon which teaching, research, surgery or tests were volving accompanying pain or distress is and for which the use of appropriate inalgesic, or tranquilizing drugs would say affected the procedures, results, or not the teaching, research, surgery, or tests. (An explanation of res producing pain or distress in these the reasons such drugs were not used ched to this report).	TOTAL NO. OF ANIMAL  (COIS. C + D + E)
4. Dogs		0				
5. Cats		0				
6. Guinea Pigs	40	1,602			687	2,289
7. Hamsters		0			7	<u>.                                    </u>
8. Rabbits	50	1,297				1.297
9. Non-human Primates						
10. Sheep		60			25	85
11. Pigs		99				99
12. Other Farm Animals		·				
Cattle	110	79			84	163
13. Other Animals						

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use



IONAL OFFICIAL SIGNA

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

33R0122

# Optional Column E Explanation Form

	,		* *				
1. Registration	n Number:	33-R-0122				-	
2. Number	687		of a	nimals used	in this stud	y.	
3. Species (con	nmon name)_G	uinea Pig	of a	nimals used	in this stud	ly.	•
4. Explain the	procedure p	roducing pain a	nd/or	distress.			
require th challenged	at both vac with virul	rements for C cinated and n ent organisms urvive challe	on-vac	ccinated (	Control) g e potency	uinea pi of the b	igs be
•							
	-						
relieved. State	methods or i terfere with to	cation why pain means used to d est results. (For	letermi	ne that pair	n and/or dis		
Anesthetic		algesics may	not b	e used be	cause they	might i	nterfere
6. What, if any	federal regu	lations require	this nr	ocedure? (	Tite the ager	ıcv.	
the Code of Fe	deral Regulat	ions (CFR) title					
number (e.g.,	APHIS, 9 CF	R 113.102):					
						.107	

# Optional Column E Explanation Form

This form is intended as an aid to completing the Column E explanation. It is not an official form

not required as pa		A Column E explanation must be written so as to be cientists.
1. Registration N	Number: 33-R-	0122
2. Number	74	of animals used in this study.
3. Species (commo	on name) <u>cattle</u>	of animals used in this study.
4. Explain the pr	ocedure producing	pain and/or distress.
This was done to obtain a r	th Haemophilus so e as required for new product licen ly#2134B-60-99-15	potency testing in an attempt see.
•		
relieved. State me	ethods or means use	y pain and/or distress could not be ed to determine that pain and/or distress s. (For Federally mandated testing, see
The use of and	esthetics and/or either masking o	analgesics could affect the clinical r mimicking symptoms.
the Code of Federa	•	quire this procedure? Cite the agency, R) title number and the specific section
Agency		CFR

33R0122

# Optional Column E Explanation Form

This form is intended as an aid to completing the Column E explanation. It is not an official form

not required as part of	Names, addresses, pr an explanation. A Column sons as well as scientists	rotocols, veterinary care program umn E explanation must be writt	ns, and the like, are ten so as to be
1. Registration Num	ber: 33-R-0122		,
2. Number 10		of animals used in this stud	y.
3. Species (common na	ame) cattle	of animals used in this stud	<b>y.</b>
Challenge with E Evaluate challen	dure producing pain a daemolyticum. (Clost dge technique for up de challenge titrati	ridium) ocoming host animal study	and
relieved. State methorelief would interfere question 6 below)	ds or means used to do with test results. (For	and/or distress could not be etermine that pain and/or dist Federally mandated testing, see	
	cs and/or analgesion	es could interfere with mons.	nitoring
6. What, if any, federa the Code of Federal R number (e.g., APHIS,	egulations (CFR) title	his procedure? Cite the agend number and the specific section	cy, on
Agency	C	FR	- 

33R0122

# Optional Column E Explanation Form

This form is intended as an aid to completing the Column E explanation. It is not an official form

and its use is voluntary. Na not required as part of an exunderstood by lay persons a	planation. A Column	cols, veterinary care programs, and the li E explanation must be written so as to be	ike, are be
1. Registration Number:	33-R-0122		
2. Number 25	of	animals used in this study.	
3. Species (common name)	Sheep of	animals used in this study.	
4. Explain the procedure	producing pain and/o	or distress.	
Challenge with clost challenged with clos to obtain a new prod Refer to Study#2134B	tridium septicum a uct license.	Twenty-five (25) sheep were s required for potency testing	
•			
5. Provide scientific justif relieved. State methods or relief would interfere with question 6 below)	means used to deterr	mine that pain and/or distress	
The use of anestheti monitoring by either	cs and/or analgesi masking or mimick	cs could affect the clinical ing symptoms.	
	tions (CFR) title num	procedure? Cite the agency, nber and the specific section	
Agency	CFR_		

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE -ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

48-R-0004

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

BAYER CORP AG DIV TOXICOLOGY 17745 S METCALF AVE STILWELL, KS 66085 130

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional Bayer Corporation, Agriculture Division, Toxicology, Bayer Research Park

FACIL	JTY LOC	ATIONS (Sites)

Bayer Toxicology

17745 South Metcalf Ave.,

# 800)

0104

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (Cois. C + D + E)
4. Dogs	-0-	-324-	-0-	-0-	-324-
5. Cats	-0-	-0-	-0-	-0-	-0-
6. Guinea Pigs	-0-	-0-	-0-	-250-	-250-
7. Hamsters	-0-	-0-	-0-	-0-	-0-
8. Rabbits	-0-	-0-	-0-	-0-	-0-
9. Non-human Primates	-0-	-0-	-0-	-0-	-0-
10. Sheep	-0-	-0-	-0-	-0-	-0-
11. Pigs	-0-	-0-	-0-	-0-	-0-
12. Other Farm Animals	-0-	-0-	0-	-0-	-0-
13. Other Animals		-			
Rats rattus	-0-	<del>-</del> 9590−	-168-	-2893-	-12,651-
Mice mus	-0-	-2830-	-0-	-0-	-2830-

# ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(b)(c), (b)(r)(c)

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

Bayer Corp.

10-1-99

APHIS FORM 7023 (AUG 91) ... (Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

b)(6),(b)(7)(C

W. A. Christensen, DVM
United States Department of Agriculture
Animal and Plant Health Inspection Service
Animal Care
501 Felix, Building 11
Fort Worth, Texas 76115-6258
(817) 885-6923

October 1, 1999

Dear Dr. Christensen:

The following information is submitted in fulfillment of requirement for submission of the Annual Report of Research Facility for Bayer Corporation Research Facility, registration number **48-R-004**. The VS Form 18-23 with signatures is attached.

### **ASSURANCE STATEMENTS**

- 1 Professionally acceptable standards governing the care, treatment, and use of animals, including the appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, or experimentation were followed by the Bayer Corporation Research Facility and monitored by the Institutional Animal Care and Use Committee (IACUC).
- 2 Each principal investigator has considered alternatives to painful procedures. We perform tests in accordance with standards and guidelines outlined by the Environmental Protection Agency and the Food and Drug Agency regulations.
- 3 The facility is adhering to the standards of the Act, and that it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the IACUC. A summary of all such exceptions must be attached to the facility's annual report. In addition to identifying the IACUC-approved exceptions, this summary must include a brief explanation of the exceptions, as well as the species and number of animals affected. We have no exceptions to the standards and regulations of the Act.

The facility is Accredited by the American Association for Accreditation of Laboratory Animal Care and has been fully accredited since 1981. Our most recent site visit was October 28, 1998.

48R0004

### STATEMENT OF LOCATION

4 State the location of all facilities where animals were housed or used in actual research, testing, teaching or experimentation, or held for these purposes: Bayer Corporation Research Facility, Registration Number 48-R-004, Toxicology Building, Bayer Research Park, 17745 South Metcalf, Stilwell, Kansas, 66085-9104.

### STATEMENTS OF ANIMAL USE

5 State the common names and the numbers of animals upon which teaching, research, experiments or tests were conducted involving no pain, distress, or use of pain-relieving drugs. Routine procedures (e.g. injections, tattooing, blood sampling) are reported with this group.

Dogs 324

Rats 9590

Mice 2830

6 State the common names and the numbers of animals upon which teaching, research, experiments or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.

Rats 168

All procedures involving animal use within this facility are reviewed and approved by the Institutional Animal Care and Use Committee.

7 State the common names and the numbers of animals upon which teaching, research, experiments or tests were conducted involving accompanying pain or distress to the animals and for which the use of the appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used shall be attached to the annual report.

Animals are used for toxicological studies required by the FDA and EPA. The use of anesthetic, analgesic, or tranquilizing drugs would interfere with test results. Common types of toxicity tests we perform including oral dosing, dermal exposure and inhalation exposure, may cause periodic distress during the course of the test. All procedures involving animal use within this facility are reviewed and approved by the Institutional Animal Care and Use Committee prior to the initiation of the procedure.

all redactions (b)(6), (b)(7)(c)

Guinea Pigs 250

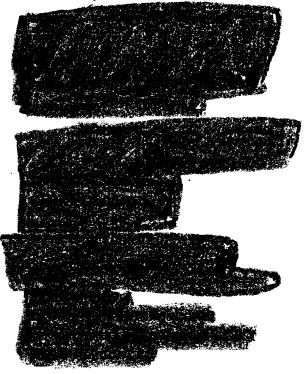
Rats 2893

Mice 0

8 State the common names and the numbers of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.

No animals are bred, conditioned or held for test use. All animals are subject to a specific acclimation period prior to testing. Federal Agency test guidelines require animals of a specific weight or age. Every animal use is subject to Institutional Animal Care and Use Committee approval.

The facility is Accredited by the American Association for Accreditation of Laboratory Animal Care and has been fully accredited since 1981.



October 1, 1999

### **TOXICOLOGY**

Date:

October 1, 1999

ID:

USDA.rsp9

Subject:

Response to Column "E" items - Addendum

From:

Phone:



6)(6) b)(7)(c)

To

Dr. Walter A. Christensen

All protocols which cause animals to experience pain or distress without drugs are examined by the IACUC. These tests are done in compliance with Federal test guidelines cited below.

Registration Number 48-R-004

The following test is performed using Guinea Pigs:

Dermal Sensitization: (Buehler Protocol) applies to all guinea pigs.

Animals' back are clipped free of hair. The test substance is applied to a Webril patch(2cmx2cm) which is then applied to the clipped area. The patch forms an occlusive seal. The animal is then wrapped with bandages to ensure adherence of the patch. Each application is left on for at least 6 hours. This procedure is performed on days 0, 7 and 14, then observed until day 28. Animals are graded for irritation index. Some animals may be rechallenged. Animals experience distress from the wrapping, as well as irritation from test compound. Corrosive or caustic agents are not tested.

Number of Animals used in this study type: <u>250</u>

Species of Animals used in this study type: Cavia Porcellus

**Test Guidelines:** 

The protocol was designed based upon its acceptability according to: US-EPA-OPPTS, Health Effects Test Guidelines, OPPTS 870.2600, August, 1998 OECD Guideline for Testing of Chemicals, Section 4, Guideline 406, February 1987

The following tests are performed using Laboratory Rats:

### **Acute Oral Toxicity:**

Food is withheld from the animals overnight prior to the day of dosing. Dosages are calculated based upon body weight. The test substance is administered by gavage as a single dose, with dose volumes not to exceed 20 ml/kg body weight for aqueous preparations, and 10 ml/kg body weight for nonaqueous preparations. Animals are observed by certified Laboratory Animal Technicians. Animals may experience distress and pain associated with administration and the toxicity of the test article.

Number of Animals used in this study type: 679

Species of Animals used in this study type: Rattus norvegicus

**Test Guidelines:** 

The protocol was designed based upon its acceptability according to: US-EPA-OPPTS, Health Effects Test Guidelines, OPPTS 870.1100, August, 1998 OECD Guideline for Testing of Chemicals, Section 4, Guideline 402, February 1987

### **Acute Inhalation Toxicity Study**

Evaluation of inhalable material during a 4-hour exposure and a 14-day post-exposure period. Animals experience restraint in plastic tubes which allow for nose-only exposure to inhalable material. Drugs are not used due to their possible effect upon respiration rate.

### 5-Day Repeated Inhalation Toxicity Study

Evaluation of inhalable material during a daily 6-hour exposure for 5 consecutive days. Animals experience restraint in plastic tubes which allow for nose-only exposure to inhalable material. Drugs are not used due to their possible effect upon respiration rate.

Number of Animals used in this study type: \_316\_

Species of Animals used in this study type: Rattus norvegicus

**Test Guidelines:** 

The protocol was designed based upon its acceptability according to:US-EPA-OPPTS, Health Effects Test Guidelines, OPPTS 870.1300, August, 1998 OECD Guideline for Testing of Chemicals, Section 4, Guideline 403, February 1987

48R0004

### **Acute Dermal Toxicity**

Animals' backs are clipped free of hair. The test substance is applied to a pad equal to 10 per cent of the rat's body surface area, which is then applied to the clipped area. The patch forms an occlusive seal. The animal is then wrapped with bandages to ensure adherence of the patch. Each application is left on for at least 24 hours. Elizabethan collars may be used to prevent ingestion of the test substance. Animals are observed for signs of irritation. Animals experience distress from the wrapping, as well as irritation depending upon the test compound. Corrosive or caustic agents are not tested.

Number of Animals used in this study type: 680

Species of Animals used in this study type: Rattus norvegicus

**Test Guidelines:** 

The protocol was designed based upon its acceptability according to:US-EPA-OPPTS, Health Effects Test Guidelines, OPPTS 870.1200, August, 1998 OECD Guideline for Testing of Chemicals, Section 4, Guideline 402, February 1987

### **Acute Oral Neurotoxicity Screening**

Food is withheld from the animals overnight prior to the day of dosing. Dosages are calculated based upon body weight. The test substance is administered by gavage as a single dose, with dose volumes not to exceed 20 ml/kg body weight for aqueous preparations, and 10 ml/kg body weight for nonaqueous preparations. Animals are observed for neurobehavioral signs by certified Laboratory Animal Technicians. Animals may experience short-term distress and pain associated with the administration and toxicity of the test article. Drugs would influence the behavior of animals engaged in the study.

### **Acute Dermal Neurotoxicity Screening**

Animals' backs are clipped free of hair. The test substance is applied by pipette in a single dose to a area equal to 10 per cent of the rat's body surface area. Animals are observed for signs of neurotoxicity. Animals experience short-term distress from the shaving, as well as possible irritation, depending upon the test compound. Corrosive or caustic agents are not tested.

Number of Animals used in this study type: <u>1218</u>

Species of Animals used in this study type: Rattus norvegicus

### **Test Guidelines:**

The neurotoxicity protocols were designed based upon their acceptability according to:US-EPA-OPPTS, Health Effects Test Guidelines, OPPTS 870.6200, August, 1998

OECD Guideline for Testing of Chemicals, Section 4, Guideline 424, March 1997

## BAYER CORPORATION - TOXICOLOGY ANNUAL REPORT OF REGISTERED RESEARCH FACILITIES

Animal Welfare regulations require that all Registered Research Facilities file an "Annual Report of Research Facility" by December 1 of each year. The reporting period is for the Federal fiscal year, October 1, 1998 through September 30, 1999. These requirements are found in the Animal Welfare Act, 9 CFR, Section 2.36.

The regulations are found below:

The reporting facility shall be that segment of the research facility, or that segment ... that uses or intends to use live animals in research, tests, experiments, or for teaching. Each reporting facility shall submit an annual report to the APHIS, AC Sector Supervisor for the State where the facility is located on or before December 1 of each calendar year.

The report shall:

- 1 Assure that professionally acceptable standards governing the care, treatment, and use of animals, including the appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by the research facility;
- 2 Assure that each principal investigator has considered alternatives to painful procedures;
- 3 Assure that the facility is adhering to the standards of the Act, and that it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the IACUC. A summary of all such exceptions must be attached to the facility's annual report. In addition to identifying the IACUC-approved exceptions, this summary must include a brief explanation of the exceptions, as well as the species and number of animals affected;
- 4 State the location of all facilities where animals were housed or used in actual research, testing, teaching or experimentation, or held for these purposes;
- 5 State the common names and the numbers of animals upon which teaching, research, experiments or tests were conducted involving no pain, distress, or use of pain-relieving drugs. Routine procedures (e.g. injections, tattooing, blood sampling) should be reported with this group;
- 6 State the common names and the numbers of animals upon which teaching, research, experiments or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used;
- 7 State the common names and the numbers of animals upon which teaching, research, experiments or tests were conducted involving accompanying pain or distress to the animals and for which the use of the appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. An explanation of the procedures producing pain or distress in these animals and the

reasons such drugs were not used shall be attached to the annual report; 8 State the common names and the numbers of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.

Report for 1998- 1999 submitted 10/01/99

Tester in intercer to cease and desist and to be subj	information.
UNITED STATES DEPARTMENT OF ALICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE TO THE ANIMAL AND PLANT HEALTH HEALTH INSPECTION SERVICE TO THE ANIMAL AND PLANT HEALTH HEAL	1 REGISTRATION NO. 51 F COO5 FORM APPROVED OMB NO. 0579-0036
Nov 0 2 1999	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA
ANNUAL REPORT OF RESEARCH FACILITY	U.S. ARMY Center for Health Promotion and
(TYPE OR PRINT) BY:	Preventive Medicine / Toxicology Division
1/2/	5158 Blackhawk Rd.
400	APG, MD 21010-5422
<ol> <li>REPORTING FACILITY (List all locations where animals were housed or used in actual res- sheets it necessary.)</li> </ol>	earch, testing, teaching, or experimentation, or held for these purposes. Attach additional
5404774.004	7.01.0

**FACILITY LOCATIONS (Siles)** 

USACHPPM, BLDG E2100

Various field sites

Aberdeen Proving Ground, Maryland

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompunying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquitizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used	F.  TOTAL NO.  OF ANIMAL:  (Cols. C +  D + E)
where the same of	purposes.	relieving drugs.	tranquilizing drugs were used	must be attached to this report).	
4. Dogs					
5. Cats	·				
6. Guinea Pigs		118		22	140
7. Hamsters		·			
8. Rabbits		36			36
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
Deer Mice			631		631
horttail Shrew			1		1
Red backed vole			1		1
ASSURANCE STATEMENTS					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending vetermarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional ()fficial)

Exertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

991028

APHIS FORM 7023 (AUG 91)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )

(6)6), (b) 7/C



See reverse side for additional information.

0180-DOA-AN

UNITED STATES DEPARTMENT OF ANIMAL AND PLANT HEALTH INSF ICULTURE JN SERVICE I. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

51-F-0005

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

OF RESEARCH FACILITY (TYPE OR PRINT

NOV 0 2 1999 5138 Blackhawk Rd.

MD 21010-5422 APG.

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEABCH FACILITY (Atlach adictitional sheets if necessary or use this form ) Number of animals upon which teaching, C Number of D. Number of animals upon Number of experiments, research, surgery or tests were animals being conducted involving accompanying pain or distress nogu zlamina which experiments. winch leaching. teaching, research, to the animals and for which the use of appropriate **Animals Covered** bred, TOTAL NO conditioned, or anesthetic, analgesic, or tranquilizing drugs would research, surgery, or tests were By The Animal OF ANIMALS conducted involving have adversely affected the procedures, results, or experiments, or held for use in Wellare Regulations teaching, testing. lesis were accompanying pain or interpretation of the teaching, research, conducted distress to the animals experiments, surgery, or tests. (An explanation of experiments. (Cols. C + D + E) the procedures producing pain or distress in these research or involvina na and for which appropriate pain, distress, or surgery but not animals and the reasons such drugs were not used anesthetic, analgesic, or yet used for such use of paintranquilizing drugs were must be attached to this report) 12 &/OR 13 Other relieving drugs. purposes. (List by species) Meadow jumping 1 1 mouse 3 3 Raccoons Ord's Kangaroo Rat 1 1 Chipmunk 7 7 Meadow Vole Prarie Vole 9 9 Mouse 18 18 Mexican Woodrat 3 Bushy-tailed Woodrat Northern Grasshopper mouse Great Basin Pocket mouse Cotton Mice 54 54 White-footed Mice 45 45 Pinyon mouse Western Harvest 24 24 mouse

1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analyesic, and tranquilizing drugs, prior to, during and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility

2). Each principal investigator has considered alternatives to painful procedures

This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the spicies and number of animals affected

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Ecertify that the above is true, correct, and complete (7 U.S.C. Section 2143) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

991028

APHIS FORM 7023A (AUG 91)

ASSURANCE STATEMENTS

e reverse side for additional information

0180-DOA-AN

UNITED STATES DEPARTMENT C

SICUL TURE ON SERVICE 1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

ANIMAL AND PLANT HEALTH INSI

51-F-0005

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

JUS.ARMY Center for Health Promotion and Preventive Medicine / Toxicology Division 5158 Blackhawk Rd.
ADG, MD 21010-5422 include Zip Code)

OF RESEARCH FACILITY

(TYPE OR PRINT NOV 0 2 1999

REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	REMORCH FACILITY	(Attach adiditional sheets if ne	cossary or use this form )	
A.  Animals Covered By The Animal Welfare Regulations  12 8/OR 13 Other (List by species)	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS (COIS. C + D + E)
Hispid Cotton Rat			3		3
	·		·		
				·	
			l		

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analysis, and tranquilizing drugs, prior to, during and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Exertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

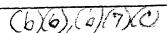
SIGNATURE OF C.E.O. OF INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

991028





### Optional Column E Explanation Form

•	
1. Registration Number	<u> </u>
2. Number 22	of animals used in this study.
3. Species (common name	guinea pig of animals used in this study.
4. Explain the procedure	producing pain and/or distress.
cholinesterase inhi intramuscular injec	gs were used to determine the relative toxicity of iting compounds. These animals were tested either by ion or by inhalation of a vapor or particulate material. s manner were placed in the unalleviated pain or distress
·	
	ication why pain and/or distress could not be
relieved. State methods o relief would interfere with	means used to determine that pain and/or distress test results. (For Federally mandated testing, see
question 6 below)	(1 of 1 odorany managed tosting, 300
pain in the post-exp physiological effect may act as respirate compounds. External associated anxiety. studies and any subs	cs or tranquilizers could not be used for the relief of sure phase due to their ability to interfere with the of the test article. Anesthetics, analgesics and tranquilizer y depressants and could potentiate the toxic action of test stimuli and manipulation were minimized to decrease any The Institutional Animal Care and Use Committee approved these quent protocol amendments. Experienced staff veterinarians or study conduct and any animal welfare concerns.
. What, if any, federal reg he Code of Federal Regula umber (e.g., APHIS, 9 C	lations require this procedure? Cite the agency, ions (CFR) title number and the specific section R 113.102):
gency	CFR

### DEPARTMENT OF THE ARMY



3100 RICKETTS POINT ROAD ABERDEEN PROVING GROUND, MARYLAND 21010-5425

DEC 2 1999 51F 0006

**Comparative Medicine Division** 

**United States Department of Agriculture** Animal and Plant Health Inspection Service **Animal Care Eastern Region** 2568-A Riva Road, Suite 302 Annapolis, Maryland 21401-7400

Dear Sir/Madam:

Enclosed you will find the corrected Annual Report of Research Facility, APHIS Form 7023, for the period October 1, 1998 through September 30, 1999.

The following is the correct mailing name and address for Registration Number 51-F-0006:

Commander

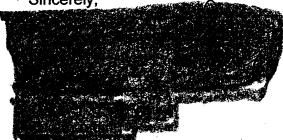
U.S. Army Medical Research Institute of Chemical Defense

ATTN: MCMR-UV-ZA 3100 Ricketts Point Road

Aberdeen Proving Ground, MD 21010-5400

Point of contact for this action is

Sincerely,



(b)(b)

**Enclosure** 

UEC 21 1999

1. REGISTRATION NO. 51-F-0006

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Codel

U.S. Army Medical Research Institute

of Chemical Defense

3100 Ricketts Point Road

Aberdeen Proving Ground, MD 21010-5400

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

UNITED STATES DEPARTMENT OF AGRICULTURE

ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Siles)

Address in Block 2 includes:

Buildings E3100, E3081, E3156, and E3244

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adultional sheets if necessary or use APMS FORM 7023A.)

A. Animals Covered By The Animal Wellare Regulations	Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-retieving drugs	D Number of assimals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the assimals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	0	. 0	0
5. Cats	0	0	00	0	0
6. Guinea Pigs	0	154	467	1,754	2,375
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	44	0	44
9. Non-human Primates	0	0	48	36	84
10. Sheep	0	0	0	0	0
11. Pigs	0	41	38	0	79
12. Other Farm Animals					
13. Other Animals					
	1				l

### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and franquilizing drugs, prior to, during and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending vetermarian for this research facility has appropriate authority to ensure the provision of adequate vetermary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Ecertify that the above is true, correct, and complete (7 U.S.C. Section 2143) NAME & TITLE OF C E.O. OR INSTITUTIONAL OFFICIAL THE PERIL DATE SIGNED

which is obsolute

PART 1 - HEADQUARTERS

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 51-F-0006

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

U.S. Army Medical Research Institute of Chemical Defense

3100 Ricketts Point Road

Aberdeen Proving Ground, MD 21010-5400

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

Address in Block 2 includes:

D... 4 1 44 .... E2100 E2001 E2156 --- 4 E2244

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (COIS. C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	1,827	488	60	2,375
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	44	0	44
9. Non-human Primates	0	36	48	0	84
10. Sheep	0	0	0	0	0
11. Pigs	0	47	32	0	79
12. Other Farm Animals	0	0	0	0	0
13. Other Animals					
N/A					

- 1) Prolessionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) at the above is true, correct, and complete (7 U.S.C. Section 2143) **DATE SIGNED** NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) OCT 88), which is obsolete)

51 F 0006

10/27/99

Column E Explanation Form USAMRICD – FY99 Registration Number – 51-F-0006 Page 1 of 3

- 1. A total of 45 column "E"guinea pigs were utilized in this study.
- 2. Painful procedure: Guinea pigs receive a convulsive dose of nerve agent which is thought (but not documented) to cause some pain and/or distress due to the intense physical activity caused by the seizure. There is a potential for the pain and/or distress to be relieved to some extent by the administration of one of the test drugs that successfully terminates the seizure.
- 3. Justification: Anesthetics and analgesics are known to have profound effects on brain function that can interact with the drugs of interest (Marshall and Wollman, 1985), the synthesis and release of brain neurotransmitters (Beleslin and Polak, 1965; Ngai et al., 1978; Hanin, 1978), and/or the toxicity of the nerve agent (Clement, 1984) and thus complicate interpretation of the results. This is especially so since the purpose of the study is to model the pharmacological intervention a human nerve agent casualty would receive.
- 4. No federal regulations mandate this procedure.

51F0006

Column E Explanation Form USAMRICD – FY99 Registration Number – 51-F-0006 Page 2 of 3

10/27/99

- 1. A total of 9 column "E" guinea pigs were utilized in this study.
- 2. Painful procedure: The guinea pigs receive a dose of soman which results in seizure activity. Seizure activity may or may not be associated with motor convulsions, and if present, these convulsions will most likely bring about some degree of pain or discomfort. However, it has been suggested that animals are unresponsive during seizure activity and may not be aware of pain or distress. Thus, the worst case scenario is assumed.
- 3. Justification: To meet the objectives of this project, in terms of relevance to actual field conditions, it is critical that anticonvulsant drugs be evaluated in a model in which seizure activity is ongoing. The presence of anesthetics or analgesics will confound the data making it impossible to distinguish analgesic/anesthetic-induced perturbation from real differences. Thus, the administration of anesthetics or analgesics for this particular study will be counterproductive to the overall goals of the project.
- 4. No federal regulations mandate this procedure.

Column E Explanation Form USAMRICD – FY99 Registration Number – 51-F-0006 Page 3 of 3

## 51 F 0006 10/27/99

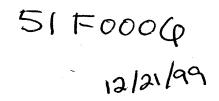
- 1. A total of 6 column "E" guinea pigs were utilized in this study.
- 2. Painful procedure: Guinea pigs will receive a convulsive dose of the nerve agent soman, which is thought to cause some pain and/or distress due to the intense physical activity caused by the seizure.
- 3. Justification: The use of anesthetics and/or analgesics would result in misleading information regarding the role of mast cell mediated anaphylactoid reactions/mast cell degranulation in acute organophosphorous poisoning. Anesthetics/analgesics also have profound effects on brain function that can interact with the toxicity of the nerve agent and thus complicate interpretation of the results.
- 4. No federal regulations mandate this procedure.

Column E Explanation Form USAMRICD – FY99 Registration Number – 51-F-0006 Page 1 of 8 Protocol 1



- 1. A total of 231 column "E" guinea pigs were utilized in this study.
- 2. Painful procedure: Both species receive a convulsive dose of nerve agent which is thought (but not documented) to cause some pain and/or distress due to the intense physical activity caused by the seizure. There is a potential for the pain and/or distress to be relieved to some extent by the administration of one of the test drugs that successfully terminates the seizure.
- 3. Justification: Anesthetics and analgesics are known to have profound effects on brain function that can interact with the drugs of interest (Marshall and Wollman, 1985), the synthesis and release of brain neurotransmitters (Beleslin and Polak, 1965; Ngai et al., 1978; Hanin, 1978), and/or the toxicity of the nerve agent (Clement, 1984) and thus complicate interpretation of the results. This is especially so since the purpose of the study is to model the pharmacological intervention a human nerve agent casualty would receive.
- 4. No federal regulations mandate this procedure.

Column E Explanation Form USAMRICD - FY99 Registration Number - 51-F-0006 Page 2 of 8 Protocol 2



- 1. A total of 18 column "E" guinea pigs were utilized in this study.
- 2. Painful procedure: The guinea pigs receive a dose of soman which results in seizure activity. Seizure activity may or may not be associated with motor convulsions, and if present, these convulsions will most likely bring about some degree of pain or discomfort. However, it has been suggested that animals are unresponsive during seizure activity and may not be aware of pain or distress. Thus, the worst-case scenario is assumed.
- 3. Justification: To meet the objectives of this project, in terms of relevance to actual field conditions, it is critical that anticonvulsant drugs be evaluated in a model in which seizure activity is ongoing. The presence of anesthetics or analgesics will confound the data making it impossible to distinguish analgesic/anesthetic-induced perturbation from real differences. Thus, the administration of anesthetics or analgesics for this particular study will be counterproductive to the overall goals of the project.
- 4. No federal regulations mandate this procedure.

Column E Explanation Form USAMRICD - FY99 Registration Number - 51-F-0006 Page 3 of 8

# 51F0006

- 1. A total of 18 column "E" guinea pigs were utilized in this study.
- 2. Painful procedure: Guinea pigs will receive a convulsive dose of the nerve agent soman, which is thought to cause some pain and/or distress due to the intense physical activity caused by the seizure.
- 3. Justification: The use of anesthetics and/or analgesics would result in misleading information regarding the role of mast cell mediated anaphylactoid reactions/mast cell degranulation in acute organophosphorous poisoning. Anesthetics/analgesics also have profound effects on brain function that can interact with the toxicity of the nerve agent and thus complicate interpretation of the results.
- 4. No federal regulations mandate this procedure.

Column E Explanation Form USAMRICD - FY99 Registration Number - 51-F-0006 Page 4 of 8

# 51F0006

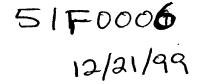
- 1. A total of 337 column "E" guinea pigs were utilized in this study.
- 2. Painful procedure: Guinea pigs receive a potentially convulsive dose of the nerve agents to be evaluated, and death from nerve agent intoxication is the primary endpoint of this protocol.
- 3. Justification: Death from nerve agent exposure is aesthetically unpleasant and probably painful to the animals due to the intense physical activity caused by the seizures. However, quantitative evaluation of nerve toxicity and the efficacy of therapeutic countermeasures requires exposure to anesthetics or analgesics to relieve pain would lead to an erroneous evaluation of the toxicity of these agents and the efficacy of pretreatment, treatment, and decontamination procedures.
- 4. No federal regulations mandate this procedure.

Column E Explanation Form USAMRICD – FY99 Registration Number – 51-F-0006 Page 5 of 8

## 51F00060 12/21/99

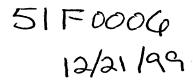
- 1. A total of 328 column "E" guinea pigs were utilized in this study.
- 2. Painful procedure: Guinea pigs receive a convulsive dose of the nerve agent soman which is thought to cause some pain and/or distress due to the intense physical activity caused by the seizure.
- 3. Justification: The pain may be relieved to some extent by administration of one of the test drugs that successfully terminates the seizure. Anesthetics and analgesics are known to have profound effects on brain function that can interact with the drugs of interest and/or the toxicity of the nerve agent and thus complicate interpretation of the results. This is especially so since the purpose of the study is to model the pharmacological intervention a human nerve agent casualty would receive. Since the goal of the study is to evaluate the ability of novel anticonvulsant drugs to treat nerve agent-induced seizures, subjecting the animals to nerve agent intoxication that elicits seizures is essential.
- 4. No federal regulations mandate this procedure.

Column E Explanation Form
USAMRICD - FY99
Registration Number - 51-F-0006
Page 6 of 8



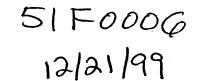
- 1. A total of 24 column "E" non-human primates were utilized in this study.
- 2. Painful procedure: All monkeys receive a convulsive dose of the nerve agent soman, which is though to cause some pain and/or distress due to the intense physical activity caused by the seizure.
- 3. Justification: The pain may be relieved to some extent by administration of one of the test drugs that successfully terminates the seizure. Anesthetics and analgesics are known to have profound effects on brain function that can interact with the drugs of interest and/or the toxicity of the nerve agent and thus complicate interpretation of the results. This is especially so since the purpose of the study is to model the pharmacological intervention a human nerve agent casualty would receive. Since the goal of the study is to evaluate the ability of novel anticonvulsant drugs to treat nerve agent-induced seizures, subjecting the animals to nerve agent intoxication that elicits seizures is essential.
- 4. No federal regulations mandate this procedure.

Column E Explanation Form USAMRICD – FY99 Registration Number – 51-F-0006 Page 7 of 8



- 1. A total of 12 column "E" non-human primates were utilized in this study.
- 2. Painful procedure: Non-human primates may experience pain or distress due to exposure to cyanide.
- 3. Justification: Untreated cyanide administration induces rapid unconsciousness and death. Several authors have argued that this is painless and does not induce stress, and may actually produce analgesia (Tadic, 1992), while others have suggested that it does induce pain or distress (Potter, 1950). Recovery from cyanide intoxication may induce stress. The investigators believe that pretreatment with WR242,511 will prevent death. The efficacy or WR242,511 cannot be determined unless these animals are challenged with a potentially fatal dose of cyanide. However, it is not certain that these animals will not experience pain or distress as a result of the non-fatal cyanide exposure. The investigators have no other choice but to expect that cyanide administration may be painful/distressful.
- 4. No federal regulations mandate this procedure.

Column E Explanation Form USAMRICD – FY99 Registration Number – 51-F-0006 Page 8 of 8



- 1. A total of 822 column "E" guinea pigs were utilized in this study.
- 2. Painful procedure: Guinea pigs are exposed to various organophosphorus (OP) compounds.
- 3. Justification: Anesthetics and analgesics cannot be used in any of the procedures involving OP administration and/or pretreatment and treatment with any of the medical countermeasures. These procedures require exposure to near lethal and lethal doses of OP compounds in live unanesthetized animals. One of the principal effects of OP intoxication is respiration paralysis. This is also a major side effect of anesthetics and analgesics. Conducting these experiments under anesthesia or analgesia could lead to faulty interpretation of the toxicity data and/or the effectiveness of the countermeasures because of the synergistic respiratory depressant effects of these drugs with OPs.
- 4. No federal regulations mandate this procedure.

See Attached

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO 25 51RODA

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

unclude Zip Codp) University of Maryland College Par Graduate Studies & Research

> College Park Campus College Park, MD 20742 Status: Active

NOV 2.9 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, resting, teaching, or experimentation, or held for these purposes. Attach additional sheets'if necessary)

FACILITY LOCATIONS (Sites)

				DA. A.	
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	Officer administration of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL:  (Cols. C + D + E)
4. Dogs	. 0	.0	0	0	0
5. Cats	0	0	0	0	
6. Guinea Pigs	0	0	0	0	. 0
7. Hamsters	0	0	• 0	0	0
8. Rabbits	0 0	8/2 ax	0	JA: JI ACC	16
9. Non-human Primates	0	0 +	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	4	\$ 39 F	0	10	39
12. Other Farm Animals	0	0	0	0	0
13. Other Animals					
SEE ATTACHED					
ASSURANCE STATEMENTS					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

See reverse side for addition of information 0180-DOA-AN

ULTURE UNITED STATES DEPARTMENT OF ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 51-R-0025 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code)

FORM APPROVED OMB NO. 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

University of Maryland College Park Graduate Studies & Research

College Park Campus College Park, MD 20742 NOV 2.9 1999

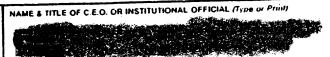
REPORT OF ANIMALS USED BY OR	LINDER CONTROL OF	RESEARCH FACILITY	(Attach adultional sheets if noc	essary or use this form )	
	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D Number of anima tijion which experiments. teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analysesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be effected to this report).	TOTAL NO OF ANIMAL:  (Cols. C + D + E)
Ground Squirrels	0	0	5	0	5
Ferrets	0	0	3	0	3
Bats(Insectiv)	26	38	24	0	62
	4	3	0	0	3
Bats(Fruit)	870	1079	198	0	1277
Voles	070	1073			
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### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)



## Optional Column E Explanation Form

and its use is voluntary Nam	es, addresses, pr lanation. A Colu	the Column E explanation. It is not an official form otoco veterinary care programs, and the like, are umn E explanation must be written so as to be
1. Registration Number:	51-R-0025	· · · · · · · · · · · · · · · · · · ·
2. Number4		of animals used in this study.
3. Species (common name)	Rabbit	of animals used in this study.
4. Explain the procedure pr	roducing pain a	nd/or distress.
rug to get some base line data on ata in rats involving bolus adminitions on body surface area). The travenous infusion. Rabbits wereen or the total dose given. Effectabored breathing, pupillary dilations	potential adverse istration were use is protocol was the given a continuous seen at the highon, salivation. If:	vein catheter) of a potential cancer chemotherapeutic side effects as a result of the infusion. Preliminary d to determine the range of doses to use in the rabbits are first opportunity to study the effects resulting from an ous infusion of the drug until either adverse effects were infusion rates included muscle tremors/weakness, side effects were noted, the infusion was stopped lower dosage rate until no adverse effects were noted.
relieved. State methods or a relief would interfere with to question 6 below). The scientific purpose of the proto hemotherapeutic drug would prochat clinical signs be allowed to occur the rabbit allowed to recover, would mask any clinical signs. Becotentially safe dosage rate and so because each rabbit was used only would the investigator then pursue	means used to destruct results. (For sool was to determ duce adverse side ecur. However, or Analgesics, sedant sides looking for a several infusion once. If and only of FDA approval.	n and/or distress could not be determine that pain and/or distress a Federally mandated testing, see nine if a continuous intravenous infusion of the effects when given to a rabbit. Thus, it was necessary necessigns did appear clinically, the infusion was stopped tives or other such drugs could not be used since they adverse signs the investigator wanted to determine a rates needed to be tested. Four rabbits were used y if the results of these in-vivo tests were promising this procedure? Cite the agency,
the Code of Federal Regular number (e.g., APHIS, 9 CF	tions (CFR) titl	e number and the specific section
Agency		CFR

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE I. REGISTRATION NO032 51-R-0032

FORM APPROVED OMB NO 0579-0036

### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

sheets if necessary)

Sec Attached

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Godelon, Inc.

15801 Crabbs Branch Way College Park Campus Rockville, MD 20855

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, lessing, teaching, or experimentation, or held for these purposes. Attach additional

DEC 01 1999

				- 1000	
REPORT OF ANIMALS USED BY C A. Animals Covered By The Animal Welfare Regulations	B Number of animals being bred. Conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	RESEARCH FACILITY C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompunying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquitizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report?.	F. TOTAL NO OF ANIMAL (Cols. C + D + E)
4. Dogs					
5. Cats					101
6. Guinea Pigs		65	121	otag	186
7. Hamsters		1419	φ	ø	1419
8. Rabbits		<i>1</i> 59	95	133	387
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
Ducks		le	Ø	φ	Ø
	`				

FACILITY LOCATIONS (Siles)

### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Annial Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of anunal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

Ecertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED 11/30/99

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



## **BIOCON**

BIOCON, Inc.™ 15801 Crabbs Branch Way, Rockville, MD 20855 • 301-417-0585 or 800-8-ANTIBODY • Fax 301-417-9238 • www.bioconinc.com



November 29, 1999

United States Department of Agriculture Animal and Plant Health Inspection Service Animal Care Eastern Regional Office 920 Main Campus Drive Suite 200, Unit 3040 Raleigh, NC 27606

DEC 01 1939

Registration Number:

51-R-0032

The 133 rabbits included in category E were used to produce polyclonal antibodies. The initial inoculation is in Freund's Complete Adjuvant with subsequent inoculations in Incomplete Freund's Adjuvant. All protocols are required to evaluate alternative test methods and adjuvants, and use the alternative method when available. These procedures have been approved by the IACUC. Currently, we have not found a topical analgesic for the injection sites.

UNITED STATES DEPARTMENT OF RICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

Amherst, MA 01003 Status: Active

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code) University of Massachusetts at Amh Animal Care Office, Grad. Sch. 512 Goodell Building

DEC 02 1999

### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

🗲 REPORTING FACILITY (List all locations where animals were housed or used in actual researchह्व्हामान, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites)

See Attached

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Atlach additional shoets if necessary or use APHIS FORM 7023A.)

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	Ø	Ø	Ø	Ø	Ø
5. Cats	Ø	Ø	Ø	Ø	Ø
6. Guinea Pigs	Ø	Ø	6	Ø	6
7. Hamsters, Syrian	62	120	202	542	864
8. Rabbits	9 .	ø	107	Ø	107
9. Non-human Primates	Ø	6	Ø	Ø	6
10. Sheep	Ø	Ø	Ø	Ø	Ø
11. Piqs	10	19	52	Ø	71
12. Other Farm Animals					
Cattle	Ø	Ø	3	Ø	3
13. Other Animals					
Siberian hamster	135	Ø	35	24	194
Gerbils	29	Ø	67	Ø	67
Degus ASSURANCE STATEMENTS	Ø	Ø	6	Ø	6

1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility

2). Each principal investigator has considered alternatives to painful procedures

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected

4) The attending vetermarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Lerrity that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

**DATE SIGNED** 

12/1/99



UMass-Amherst

CULTURE UNITED STATES DEPARTMENT OF . ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO 14-R-0036

FORM APPRIORES OMB NO 0579 0575

### CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

( TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address as registered with 1151)A University of Massachusetts at Amherst include Zip Code)

Animal Care Office, Grad. Sch.

512 Goodell Building 01003 Amherst, MA

REPORT OF ANIMALS USED BY OR	UNDER CONTROL OF	RESEARCH FACILITY	Allacii summono	E. Number of animals upon which leaching.	F
Animals Covered By The Animal Welfare Regulations  12 &/OR 13 Other (List by species)	B Number of animals being bred, conditioned, or held for use in teaching, testing; experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which reaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animas upon which experime 15:- teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or lests were experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analysist; or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	101AL NO OF ANIMALS (Cols. C * D * E)
eadow voles	Ø	1	Ø	9	1
rairie voles	Ø	100	300	0	100
ine voles	Ø	5	Ø	0	5
hite footed mice	Ø	2136	Ø	0	2136
ed backed vole	Ø	297	Ø	0	104
. Short tailed shr	ew Ø	104	Ø	0	78
. Chipmunk	Ø	78	Ø	0	10
lasked shrew	Ø	10	Ø	Ø	2
Moodland jump. mous	i .	2	Ø	Ø	2
ong tailed weasel	Ø	2	Ø		
					-
					-
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### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the cure, treatment, and use of animals, including appropriate use of aniesthetic analgesic and tranquilizing drugs, prior to during and following actual research, leaching, testing, surgery or experimentation were followed by this research facility
- 2) Each principal investigator has considered atternatives to paintiff procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the histiational Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report addition to identifying the IACUC approved exceptions. This summary includes a tirief explanation of the exceptions, is well as the Species and number of unimals after the
- 4) The attending votermarian for this research facility has appropriate authority to ensure the provision of udequale veterinary, are and to oversee the adequacy of other aspects

عجا ليسم عبرة المسمر CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Ecertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED 12/1/99

, UMass-Amherst

### Optional Column E Explanation Form

This form is intended as an aid to completing the Column E explanation. It is not an official form

the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):	not required as part of an expl	lanation. A Colu	ntocols, yeterinary care programs, and mn E explanation must be written so	as to be
2. Number	understood by lay persons as	well as scientists.		
2. Number			•	
3. Species (common name) of animals used in this study.  4. Explain the procedure producing pain and/or distress.  Please refer to attached sheet.  5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see question 6 below)  Please refer to attached sheet.  6. What, if any, federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):	1. Registration Number:	14-R-0036		
4. Explain the procedure producing pain and/or distress.  Please refer to attached sheet.  5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see question 6 below)  Please refer to attached sheet.  6. What, if any, federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):	2. Number		of animals used in this study.	
5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see question 6 below)  Please refer to attached sheet.  6. What, if any, federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):	3. Species (common name)		of animals used in this study.	
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relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see question 6 below)  Please refer to attached sheet.  6. What, if any, federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):	Please refer to attac	hed sheet.		
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6. What, if any, federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):	question o below)			
the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):	Please refer to attacl	ned sheet.		
the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):				
Agency CFR	the Code of Federal Regulation	ons (CFR) title n	is procedure? Cite the agency, umber and the specific section	
· · · · · · · · · · · · · · · · · · ·	Адепсу	CF	R	

Please refer to attached sheet.



### November 29, 1999

Enclosed please find the completed "Annual Report of Research Facility" (APHIS Forms 7023 and 7023A) for USDA registrant number is 14-R-0036 for the period 10/1/98 to 9/30/99.

Please note the following explanations for the numbers of animals (542 Syrian hamsters and 24 Siberian hamsters) placed in Column E of Form 7023 as required in the Animal Welfare Act, 9 CFR Ch. 1, Part 2, Subpart C, 2.31, d. 1. iv., A. These Syrian and Siberian hamsters are placed in this column because they did not receive post-operative analgesia. These animal models are used in neuroscience studies focusing on brain metabolism. The researchers have stated in their protocols and have found that many analgesic drugs will interfere directly or indirectly with the neurochemical data collected acutely after the surgery or later in the studies. The protocols for these studies have been reviewed and approved by the Institutional Animal Care and Use Committee (IACUC). The data collected during these studies include behavioral manifestations of induced alterations of neurochemical and metabolic pathways, and changes that are also reflected at the tissue, cellular, and/or sub-cellular levels determined after euthanasia. The protocols involve anesthesia, aseptic surgical technique to perform laparotomies (to remove hormone producing tissue), to place cannulae and/or administer known amounts of non-toxic hormones or cellular markers. The researchers maintain nursing records for these animals during and after the studies. The dedicated surgery area used by the researchers and their surgery records are inspected during the semi-annual IACUC inspections and at other times of the year.

An analgesic regimen, that the researchers and the attending veterinarian feel will not interfere with the neurochemistry, has been recently incorporated into protocols for the hamsters, so we expect the numbers in column E to decrease significantly during the next reporting period.

Thank you for your attention to these matters.

NOU-29-1999 10:38

USDA APHIS AC

result in an order to course and design and to be subject to penalties as provided for in Section 2158.

additional Information

919 716 5696

FORM APPROVED

UNITED STATES DE	PARTMENT	OF ACRIC	リレアリタル
UMITED		MARAMA	REDUKT
ANIMAL AND PLANT	MEALTH IN:	The C HOM	94111111

1. REGISTRATION NO

286 QME NO. 0579-0036 12-R-0005 2. MEADQUARTERS REBEARCH FACILITY (Noine and Address as registered with USOA include Zp Coval

### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Diatide, Inc. 9 Delta Drive Londonderry, NH 03053

2. REPORTING PACILITY (LIST bil locations where animals were housed or used in actual rescales, resting, tracking, or experimentation, or held for these purposes. Attach additional sheets if hecessery.)

FACILITY LOCATIONE (SILOE)

9 Delta Drive

Londonde	ry NH O	3053	(Appach antiboret theofs if the	CONSUM OF THE APPLIS FORM 7023A.)	
Annihis Covered By The Animal Wellery Regulations	B. Number of animals being bred. conditioned, or held for use in teathing, lost ling, experiments, research, we surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drups.	D. Number of institute upon which experiments. It is suffery, or less water conducted involving accompanying turn to distress to the animalis and for when appropriate unstable it. In a particular of the animalis and for when appropriate unstable it. In a particular of the animalis and animalism.	experiments, recearch, entryity or tests were conducted involving accompanying poin or distress in the animals and for which the use of appropriate passibles, analogous, or tranquisting drugs would have advarantly affected the procedures, results, or interpretablents, surrey, or least, for applicable, engitted than the surrey, or least, for applicables of the surrey, or least, for applicables of	F. TOTAL NO OF ANIMALS  [Cols. C * D * E)
4. Dogs	0				
5. Cats	o:				
6. Guinea Pigs	0		67		67
7. Hamslers	0				
8. Aabbits	0	0	37	211	·248
9. Non-human Primates	0				
10. Sheep	0		•		
11, Pins	0				
12. Other Farm Animals	0		·		
13. Other Animals					
Rats	0	317			317
Mice	48	370			- 370

### ASSURANCE STATEMENTS

- 1) Professionally acceptable erundards governing the care, treatment, and use of animals, including appropriate use of animals, analysis, and francishing drugs, price to, during, and following actual research, teaching, testing, eurgery, or experimentation were hithwest by this research facility
- 2) Each principal investigator has considered alternatives to pointed procedures
- If This limity is adjusting to the standards and regulations under the Act, and it has required that maniphores to the standards and expected and explained by the prescript investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this amount report. In polition to identifying the IACLIC approved exceptions, this switingly inclines a brief explanation of the exceptions, as well as the species and name
- 4) The attending veterinarian for this research inclidy has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other asymptic of see bid sicy funding

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legully Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE BIONED

SIGNATURE OF C.E.D. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL FIYE W FINIU

Diatide, Inc.

9 Delta Drive • Londonderry, New Hampshire 03053 (603) 437-8970 • FAX (603) 437-8977

ADDENDUM TO: ANNUAL REPORT FOR RESEARCH FACILITY

REGISTRATION No.: 12-R-005 (Diatide, Inc., 9 Delta Dr., Londonderry, NH 03053)

Re.: Explanation of animal care/use in Section E (APHIS form 7023)

Annual Report of Research Facility: fiscal 1998-1999

Those animals listed under Section E were rabbits used in an E. coli infection model to explore the ability of nuclear medicine imaging agents to identify focal infection sites. The protocol has been reviewed and approved by the Diatide IACUC.

The model requires rabbits to be innoculated with a specific amount of bacteria (E. coli) into the gastrocnemius muscle of the left (or right) hind leg. The infection is allowed to progress overnight to form an inflammatory focus. The animals are tested over a 2-12 hour period 18-48 hours after initiation of the inflammatory focus. The animals do not receive antibacterial or anti-inflammatory agents (steroidal or non-steroidal) as use of these agents inhibit/depress the uptake of the radiolabeled infection/inflammation-seeking agents. The animals have apparent, but mild, discomfort which is attributable to the inflammatory process, however, they are alert, mobile and the infection can resolve within several days. The model requires euthanasia (i.e., Somlethol®) at specific times after administration of the agents followed by complete necropsy, including the infection site, for determination of the percent of administered test article in tissues. Carcasses and tissues are disposed of per IACUC and radioactive materials approved protocols. The number of animals employed in this procedure over the past fiscal year (98-99) is 248.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO. 22-R-0032 22R ()022

FORM APPROVED OMB NO 0579-0036

2. MEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Hoffmann-LaRoche, Inc.

Hoffmann-LaRoche, Inc.
Research & Development Div.
340 Kingsland Street
Nutley, NJ 07110
Status: Active

180

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

See Attached

NOV 1 5 1999

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL  (COIS. C + D + E)
4. Dogs	54	316	0	18	334
5. Cats	0	00	0	0	0
6. Guinea Pigs	0	296	211	0	507
7. Hamsters	0	0	0	0	0
8. Rabbits	0	42	0	0	42
9. Non-human Primates	10	19	41	0	60
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals					
13. Other Animals					
	1				

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the ade Approvid As 40 Forms of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

Figertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

# Optional Column E Explanation Form

This form is intended as an aid to completing the Column E explanation and its use is voluntary. Names, addresses, protocols, veterinary care pronot required as part of an explanation. A Column E explanation must be understood by lay persons as well as scientists.	grams and the like are
and a stood by my persons as well as scientists.	

dor distress.  drug candidates for clinical trials showed ere given a cytotoxic chemotherapeutic drug ogs were given a glucose lowering drug for the studies, these dogs presented with the studies, lethargy, and diarrhea. The studie in accord with the guidelines established cluding the Food and Brug Administration for proceed to clinical trials. All animals by veterinary personnel and supportative hal supplements were provided.
drug candidates for clinical trials showed are given a cytotoxic chemotherapeutic drug gos were given a glucose lowering drug for the studies, these dogs presented with at loss, lethargy, and diarrhea. The studie in accord with the guidelines established aluding the Food and Brug Administration for proceed to clinical trials. All animals by veterinary personnel and supportative all supplements were provided.
derally mandated testing, see
3:03: 4 P 4000
NOV 1 5 1999
procedure? Cite the agency, mber and the specific section  21 CFR 58.3(d)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. aar*o*o

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Schering Corporation

2015 Galloping Hill Road

Kenilworth, NJ 07033 Status: Active

DEC 0 1 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary )

FACILITY LOCATIONS (Siles)

1. Schering-Plough Research Institute, 2015 Galloping

Hill Road, Kenilworth, NJ 07033

2. Schering-Plough Research Institue, Safety Evaluation Center PO Box 32 Lafayette, NJ 07848

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Allach withinhall sheets if necessary or use APHIS FORM 7023A.)

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompunying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	TOTAL NO OF ANIMALS  (COIS. C + D + E)
4. Dogs	12	131	382	35	548
5. Cats	0	0	65	· 0	65
6. Guinea Pigs	0	5,660	7,529	0	13;189
7. Hamsters	0	17	8	0	2.5
8. Rabbits	8	600	118	58	776
9. Non-human Primates	107	286	384	38	708
10. Sneep	- 0	0	0	0	0
11 Pegs	0	0	0	0	0
12 Other Farm Animals					
13. Other Animals					
Gerbils	0	0	2,820	0	2,280
			·		

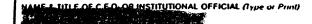
#### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, piece to during and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Annual Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending vetermanan for this research facility has appropriate authority to ensure the provision of adequate vetermary care and to oversee the adequacy of other aspects of annual care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

OF C.E.O. OR INSTITUTIONAL OFFICIAL



DATE SIGNED





November 30, 1999

Elizabeth Goldentyer, DVM
UNITED STATES DEPARTMENT OF AGRICULTURE
Animal and Plan Health Inspection Service
Regulatory Enforcement and Animal Care
Eastern Region Office
920 Main Campus Drive
Raleigh, NC 27606

DEC 0 1 1993

Re: Registration Number 22-R-0036

Dear Dr. Goldentyer:

Listed below are comments to accompany the annual report of research facilities for site number 1.

One exception to the canine exercise program is to be reported. It involved the use of special canine metabolism cages for drug metabolism studies. The canine metabolism cages provide greater than 100%, but less than 200% of required space for exercise. The animals must remain in the cages for the proper and safe collection of the metabolites. The period of time is usually less than 10 days. Positive human interaction is greatly increased during this period. The protocols with the exemption are approved by the IACUC and reviewed during the semi-annual program review. The studies are infrequent and involved only twelve laboratory canines.

The environmental enrichment program has two exceptions for paired housing for nonhuman primates. Twenty-one squirrel monkeys and twenty-eight rhesus were housed separately for special study needs for controlling and monitoring food consumption as part of the research projects. Thirty-two cynomologus monkeys were housed separately for brief periods for proper metabolite collection studies. All the animals are included in all the other aspects of the environmental enrichment program. The protocols with the exemption are approved by the IACUC and reviewed during the semi-annual program review.

Listed below are comments to accompany the annual report of research facilities for site number 2.

The dogs, rabbits and nonhuman primates listed in column "E" animals were used in federally mandated toxicological investigations for new drug development. Because one purpose of toxicologic studies is to define the pharmacokinetic and metabolic profiles of new entities, potential drug interactions are not known during the course of the studies. Administration of anesthetics, tranquilizers, and/or analgesics could result in additive toxicities which would be detrimental to the animal's well-being. In addition, the administration of such drugs could diminish the ability of the scientists to detect clinical changes which are critical to determining the toxicity of the compounds. These agents were, therefore, withheld in accordance with protocols which are carefully reviewed and approved by the IACUC.

All animals are carefully monitored and if found to be in severe pain and/or distress during the course of the study, they are provided humane euthanasia. Animals, in which adverse clinical findings were identified but were not determined by the Staff Veterinarian to be of a severe nature, were allowed to continue to the completion of the study, but are also reported in column "E" of this annual USDA report.

USDA Fiscal Year 1999 Exemptions from Site 2 for Animal Care and Use

Instances wherein animals were exempted from the pair-housing requirement of our program for the psychological well being of non-human primates. The duration of such exemptions varied according to the reason. The numbers of animals and reasons for such exemptions are herein listed:

- 3. Primates exempted from social housing due to being the documented aggressor in a pair housing situation on at least two occasions, these exemptions will be ongoing ..... 2

There were 182 dogs exempted from our exercise program for dogs during the dosing period of studies where necessary to avoid emesis. All protocols including this exemption were reviewed and approved by the IACUC.

side for additio. iormation

Interagency Report Control No 0180-DOA AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.43

FORM APPROVED OMB NO 0579-0036

#### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) State University of New York

101 Broad Street 812 Kehoe Building Plattsburgh, NY 12901 Status: Active

3. REPORTING FACILITY ( sheets if necessary.)	ist all locations where animals were housed or used in actual research, to the long, teaching, or experimentation, or held for these p	ourposes.	Attach additional
	· ***		

FACILITY LOCATIONS (Sites) See Attached

DEC n 1 1999

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic; analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquitizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs			·		
5. Cats			٠		
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs			·		
12. Other Farm Animals					
13. Other Animals					
Chinchilla	-0-	-0-		137	137
					-

#### SURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of anunal care and use

	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
١.	(Chief Executive Officer or Legally Responsible Institutional Official)
١,	Certify that the above is true correct and complete 17 H.S.C. Section 2142

DATE SIGNED

APHIS FORM 7023 (AUG 91)

## Optional Column E Explanation Form

This form is intended as an aid to completing the Column E explanation. It is not an official form
and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are
not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists.

1. Registration Number:	21-R-0043		DEC
2. Number 137	of anima	ls used in this study.	DEC n 1 1999
3. Species (common name) Chi	Inchilla of anima	ls used in this study.	
4. Explain the procedure pro	oducing pain and/or distro	ess.	
During acute noise exponents of the correct angle of in canal. The maximum duris less than two hours. (6 to 24 hours per day) 12.5"H) within the exponents	ct, 1986) to prevent hacidence of the acoust cation of restraint in Animals are not restand are housed in st	ead and body moveme ic wave front to th the acute exposure trained during chro andard animal cages	ent which ensures the animal's ear as for each animal anic exposures (12.5"W x 16"L x
5. Provide scientific justifica relieved. State methods or morelief would interfere with tes question 6 below)	eans used to determine th	at pain and/or distress	5
The IACUC states that duradministered anesthetic, a would have an adverse affollowing the experimental less severe than unprotect exposures) or by industriator analgesic agents with a immediately following expensy significantly alter the Code of Federal Regulation number (e.g., APHIS, 9 CFR	enalgesic, or tranquilect on the results of l protocols. The nois ted exposures experiental workers (long-termanesthetic effects will be response of the midutions require this procedums (CFR) title number and	tizing drugs as such the testing procedule exposures are not used by military per exposures). Further interfere with authors that anesthetic dle-ear reflex systure? Cite the agency,	n administration ures immediately t painful and are csonnel (acute ermore, anesthetics diometric testing t or analysic agents
Agency	CFR		

#### FACILITY SITES LISTING

21R0043

Licensee/Registrant Name:	SUNY Plattsburgh	
License/Registration Number:	21-R-0043	
Please list below all sites that sure to include all requested in it N/A. If you have more than the before filling in the sites.	nformation. If the line	does not apply, please mark
Site No.: Name/Department:	Vivarium - IACUC	
Address:	104 Beaumont Hall	
	SUNY Plattsburgh	
Building:	Beaumont Hall	
Floor/Rocm:	104	A STATE OF THE STA
Contact Person:	(b/G), (b)(7)(c)	hone No.: (b)(b), (b)(7)(C)
Site No.: Name/Department:		
Address:		
Building:		•
Floor/Room:		
Contact Person:	Pl	one No.:
Site No.: Name/Department:		
Address:		···
Building:		
Floor/Room:		
Contact Person:	Pho-	one No.:

962

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 55-F-0001

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
U.S. Environmental Protection Agency
National Health and Environmental Effects
Research Laboratory
Research Triangle Park, NC 27711

- 4

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

FACILITY LOCATIONS (Sites)

Same as 2 above

Anunals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F. TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	NONE	1	NONE	NONE	11
5. Cats	NONE	NONE	NONE	NOVE 1999	NONE
6. Guinea Pigs	NONE	NONE	69	66 N 0 9	135
7. Hamsters	NONE	NONE	55	NONE	55
8. Rabbits	NONE	15	NONE	NONE (	15
9. Non-human Primates	NONE	NONE	NONE	NONE	NONE
10. Sheep	NONE	NONE	NONE	NONE	NONE
11. Pigs	NONE	NONE	NONE	NONE	NONE
12. Other Farm Animals	NONE	NONE	NONE	NONE	NONE
13. Other Animals					
NOME	NONE	MONE	NONE	NONE	NONE
ASSURANCE STATEMENTS					

#### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered afternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



DATE SIGNED

11/10/99

NHEERL

Attachment to Annual Report of Research Facility, USEPA, NHEERL

Facility Registration Number: 55-F-0001

Laboratory Animal Project Review (LAPR) explanations for Column E entrees.

LAPR# 98-01-002, "Exposure of Guinea Pigs To Oxidants". Anesthetics, analgesics or tranquilizers could change the breathing patterns of the animals, which would compromise the "Nose Only exposure inhalation studies. Instead, animals will be acclimated by placing them in the exposure tubes for 30-60 minutes on the previous day to familiarize them with the tubes. The IACUC has observed and approved these procedures. Sixty six (66) animals have been used thus far.



everse side lor .tional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

See Attached

#### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO64

3R006

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zin Code) h University

Research & Sponsored Programs 526 Brodhead Avenue #238 Bethlehem, PA 18015 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional FACILITY LOCATIONS (Siles)

				NOV. 2 2 1999	
REPORT OF ANIMALS USED BY	OR UNDER CONTROL OF	F RESEARCH FACILITY	f (Attach adiditional sheets if ne	cessary or use APHIS FORM F023A)/. D	
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, respairsh, surgery or tests were conducted involving becompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	NA	NA	NA.	NA.	NA
5. Cats	NA	NA	NA	NA	NA
6. Guinea Pigs	NA	NA	NA	NA	NA
7. Hamsters	12	150	379	250	791
8. Rabbits	NA	NA	NA	NA	NA
9. Non-human Primates	NA	NA	NA	NA	NA
10. Sheep	NA	NA	NA	NA .	NA
11. Pigs	NA	NA	NA	NA	NA
12. Other Farm Animals	NA	NA	NA NA	NA	NA
13. Other Animals					
Mice	324	142	815	0	1,281

#### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquitizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) 海南 海绵绵绵 Section Section

门事人

DATE SIGNED



### Optional Column E Explanation Form

This form is intended as an aid to completing the Column E explanation. It is <u>not</u> an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists.

. Registration Number: 23-R-0064  . Number 250 of animals used in this	
	study.
pecies (common name) Mesocricetus auratusof animals used in this	study.
Explain the procedure producing pain and/or distress.	
Hamsters undergo a 48 hour period of fasting.	
No analgesics or anesthetics are administered.	
ieved. State methods or means used to determine that pain and/or ief would interfere with test results. (For Federally mandated testing estion 6 below)  See attached sheet.	, see
ief would interfere with test results. (For Federally mandated testing estion 6 below)	, see
ef would interfere with test results. (For Federally mandated testing stion 6 below)  See attached sheet.	, see

### EXEMPTION FROM FEEDING STANDARD

Explanation of the procedures for which anesthetics will not be given.

Since we are studying the nutritional and energetic signals that control reproduction, in some of our experiments, animals are food restricted or fasted. During fasting or food restriction, no anesthesia or analgesics are given because the animals are not in pain or distress. However, despite the fact that the animals are not in pain or distress, we have been asked to fill in the number of animals that are food restricted or fasted in the space labeled "E" on Interagency Report Control NO. 01800-DOA-AN.

In our experiments, hamsters are food restricted or fasted to the extent that estrous cycles are interrupted but are not restricted further. When animals are fasted or food restricted, effects on fertility and ovulation occur long before any other adverse health consequences (Merry and Holehan, 1979; Merson and Kirkpatrick, 1981, Bronson, 1989). This is because animals have a sensory system designed to detect internal energy availability (Schneider, 1992). The sensory detectors of fuel availability send signals to parts of the brain that control fertility and ovulation as well as those areas that control hunger, food intake and caloric homeostasis. My experiments are designed to study the mechanisms that underlie this link between energy and fertility. Thus, in most experiments, hamsters are fasted to a degree that induces infertility and anestrous, but not to a degree that causes health problems. This is possible because fertility is affected prior to any effect on general health. All of the available information on the effects of food deprivation in Syrian hamsters comes from work in my own laboratory or in the laboratories of Drs. George N. Wade and Lawrence P. Morin. For example, Dr. Morin (Morin, 1975; 1986) found that a 48 hour fast, but not a 24 or 36 hour fast, on days 1 and 2 of the estrous cycle induced anestrus, but this fast had no other health effects. NOTE: Hamsters have a 4-day estrous cycle with ovulation and estrous behavior occurring on Day 4. One important piece of evidence demonstrating that a 48 h of fast is not harmful to Syrian hamsters is that when the 48 hour fast occurs on Days 2 and 3, Days 3 and 4, or on Days 4 and 1 or the cycle, there is no effect on estrous cyclicity (the hamsters showed normal ovulation rates and vigorous sex behavior). Ovulation and estrous behavior are inhibited only when the fast occurs on Days 1 and 2 of the estrous cycle, but not on any other days. Morin also found that normal estrous behavior could be easily reinstated in the 48 hour fasted hamsters by giving an injection of estradiol. Furthermore, the effects on estrous cyclicity are rapidly reversed when the hamsters are returned to ad lib feeding. I subsequently demonstrated that the same 48 hour fast had no effect on estrous cyclicity or health in previously fattened hamsters (Schneider and Wade, 1989, Schneider and Wade, 1990). Thus, a 48 hour fast has no effect on estrous cyclicity whatsoever when the hamsters have a high body fat content. In general, the fatter the hamster, the longer the period of food restriction necessary to induce anestrous. As long as the hamsters have

been fed ad libitum prior to the 48 h fast, there is little effect on fertility. Again, it is critical to understand that the effects on fertility occur prior to any generalized health problems. In my experiments, the most extreme form of caloric restriction will be a 60 h fast that occurs on days 1 and 2 of the estrous cycle. Body weight is recorded and general health condition is monitored daily. In addition to a fasted group, other groups will be fasted and injected (or infused) with metabolic fuels or nutrients to examine their role in maintenance of normal reproductive function. Hamsters in the laboratory tend to become obese as they grow older. In some experiments, obese hamsters will be restricted to 85% of their ad libitum intake for up to one week prior to the start of the experiment to insure that they are not too fat, but still show normal estrous cycles and no signs of poor health.

Analgesics are not appropriate because we are measuring indices of estrous cyclicity which is under control of hypothalamic luteinizing hormone releasing hormone (LHRH), also known as gonadotropin releasing hormone (GnRH). LHRH and LH levels are adversely affected by opiates because it is well-known that opiates and opiate derivatives, including analgesics such as buprenorphine, butorphenol and morphine, affect pitiutary hormone secretion and hypothalamic LHRH (GnRH) secretion (2-12).

### References

- 1. Rowland, N. Failure of deprived hamsters to increase food intake: some behavioral and physiological determinants. J. Comp. Physiol. Psychol. 96:591-603, 1982.
- 2. Ebling, F.J., Mirakhur, A., Maywood, S. and Hastings, M.H. Photoperiodically induced changes in gluamatergic stimulation of LH secretion in male Syrian hamsters: role of circulating testosterone and endogenous opioids. Gen.Comp.Endocrinol. 96:50-62, 1994.
- 3. Mendelson, J.H., Ellingboe, J., Mello, N.K. and Kuehnle, J. Buprenorphine effects on plasma luteinizing hormone and prolactin in male heroin addicts. J.Pharmacol.Exp.Ther. 220:252-255, 1982.
- 4. Rolandi, E., Marabini, A., Franceschini, R., Messina, V., Bongera, P. and Barreca, T. Changes in pituitary secretion induced by an agonist-antagonist opioid drug buprenorphine. Acta. Endocrinol. 104:257-260, 1983.
- 5. Pechnick, R.N., George, R. and Poland, R.E. The effects of the acute administration of buprenorphine hydrochloride on the release of anterior pituitary hormones in the rat:

evidence for the involvement of multiple opiate receptors. Life Sciences 37:1861-1868, 1985.

- 6. Pende, A., Musso, N.R., Montaldi, M.L., Pastorino, G., Arzese, M. and Deville, L. Evaluation of the effects induced by four opiate drugs, with different affinities to opioid receptor subtypes, on anterior pituitary LH, TSH, PRL and GH secretion and on cortisol secretion in normal men. Biomed.Pharmacother. 40:178-182, 1986.
- 7. Fayez, M., Ahmed, H.H., el Nabarawy, F., Shokery, I.M. and el-Bauomy, A.M. Effects of butorphanol on luteinizing hormone and follicle stimulating hormone levels in ovariectomized rats---comparative study with morphine sulphate.

  Arch.Exp.Veterinarmed. 45:101-103, 1991.
- 8. Leshin, L.S., Rund, L.A., Kraeling, R.R. and Kiser, T.E. The bovine preoptic area and median eminence: sites of opioid inhibition of luteinizing hormone-releasing hormone secretion. J.Anim.Sci. 69:3733-3746, 1991.
- 9. Okrasa, S., Kalamarz, H., Tilton, J.E. and Ziecik, A.J. Infuence of opioids on LH secretion in gilts during the estrous cycle. J.Physiol.Pharmacol. 43:105-116, 1992.
- 10. Cicero, T.J., Nock, B. and O'Connor, L. Naloxone does not reverse the inhibitory effect of morphine on luteinizing hormone secretion in prepubescent male rats. J.Pharmacol.Exp.Ther. 264:47-53, 1993.
- 11. Adams, M.L., Sewing, B., Forman, J.B., Meyer, E.R. and Cicero, T.J. Opioid-induced suppression of at testicular function. J.Pharmacol.Exp.Ther. 266:323-328, 1993.
- 12. He, J.R., Molnar, J. and Barraclough, C.A. Morphine amplifies norepinephrine (NE)-induced LH release but blocks NE-stimulated increases in LHRH mRNA levels: comparison of responses obtained in ovariectomized, estrogen-treted normal and androgen-sterilized rats. Brain Res. Mol. Brain Res. 20:71-78, 1993.

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#### FACILITY SITES LISTING

23 R 0064

Licensee/Registrant Name: Lel	high University, Central Animal Facility
License/Registration Number: 23-	-R-0064
sure to include all requested in	house regulated animals under the above number. B formation. If the line does not apply, please mar ree (3) sites copy this form as many times as neede
Site No.: 1 Name/Department:	Lehigh University Central Animal Facility
Address:	526 Brodhead Ave. #23B
	Bethlehem, PA 18015
Building:	Chandler Ullman #17
Floor/Room:	3rd Floor
Contact Person:	b)(6), (b)(7)(c)  Phone No.: (b)(6), (b)(7)(c)
Site No.: Name/Department:Address:	
Address:	
Building: _	
Floor/Room: _	
Contact Person: _	NOV 9 9 1999
Site No.: Name/Department:	
Address: _	
Building:	
	<u> </u>
Contact Person:	Phone No.:

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2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

MUR - J BOW

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.99

23R COCH ITY (Name

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Code) Argus Research Laboratories, Inc.

905 Sheehy Drive

P.O. Box 265 Horsham, PA 19044 Status: Active

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional Sheets if necessary.) Argus Research Laboratories, Inc. 905 Sheehy Drive Horsham, PA 19044

FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.) B. Number of C Number of Number of animals upon which teaching, D. Number of aminals upon animals being animals upon experiments, research, surgery or lests were which experiments, Animals Covered bred which leaching, conducted involving accompunying pain or distress leaching, research. By The Animal conditioned, or research, to the animals and for which the use of appropriate Welfare Regulations held for use in SU/Qery, or lesis were TOTAL NO experiments, o conducted invulving anesthetic, analgesic, or tranquilizing drugs would leaching, lesting, OF ANIMALS lesis were have adversely affected the procedures, results, or accompanying pain or experiments. conducted interpretation of the teaching, research, distress to the animals research, or mvolving no experiments, surgery, or lesis. (An explanation of and for which appropriate surgery but not (Cols. C + D + E) Dain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or yel used for such use of painanimals and the reasons such drugs were not used tranquilizing drugs were purposes. relieving drugs. must be attached to this report). Dogs 0 0 0 0 0 Cats 0 0 0 Ω 0 **Guinea Pigs** 58 0 0 58 Hamsters 0 203 4 0 207 Rabbits 58 2,316 207 114 2,637 Non-human Primates 0 0 0 0 0 10. Sheep 0 0 0 0

0

0

0

### ASSURANCE STATEMENTS

12. Other Farm Animals

13. Other Animals

**Ferrets** 

11. Pias

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.

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- 3). This locility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the This recently is soluting to the statistical Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending vetermarian for this research facility has appropriate authority to ensure the provision of adequate vetermary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL. (Chief Executive Officer or Legally Responsible Institutional ()fficial) Ecertify that the above is true, correct, and complete (7 U.S.C. Section 2143) SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

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NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED 10/31/85

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**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )

Argus Research Laboratories Inc. 905 Sheehy Drive Horsham, PA 19044

Registration Number 23-R-0099

#### Column E Explanation

There were a total of 114 rabbits from 34 studies in Column E during this reporting period. These 34 studies were developmental and reproductive toxicity tests conducted for sponsors as required by the US FDA, US EPA or OECD government agencies. The federal regulations requiring these tests are cited on the attached pages.

Toxicity related to the product being tested resulted in the death of 114 rabbits. 31 rabbits were sacrificed due to adverse clinical observations associated with the toxicity and 83 rabbits were found dead while exhibiting normal to adverse signs associated with toxicity.

# **SPRIMEDICA**

23 R 0099

Argus Research Laboratories, Inc. 905 Sheehy Drive, Building A Horsham, PA 19044 Telephone: (215) 443-8710

Telefax: (215) 443-8587

December 13, 1999

United States Department of Agriculture Eastern Regional Office 920 Main Campus Drive Suite 200, Unit 3040 Raleigh, NC 27606

RE: Annual Report of Research Facility
Registration Number: 23-R-0099 / 363

Dr. Dr. Goldentyer:

This letter is to inform your office of our amended Annual Report numbers for guinea pigs and hamsters. The numbers listed below are the amended numbers.

A.	B.	C.	D.	E.	F.
Guinea Pigs	0	28	0	30	58
Hamsters	0	157	1	49	207

The 30 guinea pigs in Column E during this reporting period represent one phototoxicity/photoallergy study conducted for a sponsor as required by the US FDA and the OECD government agencies. These guinea pigs received Freund's Complete adjuvant and were euthanized on their scheduled date of sacrifice three weeks after the Freund's injection. The federal regulations requiring this test are cited on the attached pages.

The 49 hamsters in Column E during this reporting period represent a developmental toxicity and a developmental toxicokinetic study conducted for a sponsor as required by the US FDA government agency, Toxicity related to the product being tested resulted in adverse clinical observations (skin abrasions) in these hamsters. The observations were present for eight days prior to scheduled sacrifice. The federal regulations requiring these tests are cited on the attached pages.

In addition, we would like to inform your office of our name change. Primedica Argus Research Laboratories is one of four laboratories within the Primedica organization. Primedica Corporation, a wholly owned subsidiary of Genzyme Transgenic Corporation, provides preclinical contract research services to pharmaceutical and chemical companies. Primedica Argus Research Laboratories specializes in reproductive and developmental toxicology and photobiology testing and conducts safety and efficacy studies for sponsors. These studies are intended for submission to government agencies for product approval.

Thank you for reviewing this amended Annual Report for the reporting period of October 1, 1998 through September 30, 1999.

Sincerely, (b)(6), (v)(7)(C)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.84

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Connaught Laboratories, Inc.

1668

RRYERSELY. followed the following the fol

Discovery Drive

Swiftwater, PA 18370 Status: Active

NOV 1 5 1999

4222

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

**FACILITY LOCATIONS (Siles)** 

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adultional sheets it necessary or use APHIS FORM 7023A.) B. Number of C Number of E. Number of animals upon which teaching. D. Number of ammals upon animals being animals upon experiments, research, surgery or tests were which experiments, Animals Covered By The Animal bred. which leaching. conducted involving accompanying pain or distress leaching, research, surgery, or tests were conditioned, or research, to the animals and for which the use of appropriate Wellare Regulations held for use in TOTAL NO. anesthetic, analgesic, or tranquilizing drugs would experiments, or conducted involving teaching, testing. OF ANIMALS have adversely affected the procedures, results, or lests were accompanying pain or experiments. conducted interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of distress to the animals research, or involving no and for which appropriate (Cols. C + D + E) surgery but not yet used for such pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or use of painanimals and the reasons such drugs were not used tranquilizing drugs were purposes. must be attached to this report). relieving drugs. Dogs 0 Cats 0

Rabbits 394 394 Non-human Primates 0 10. Sheep 0 11. Pigs 0 12. Other Farm Animals 0

13. Other Animals

**ASSURANCE STATEMENTS** 

Guinea Pigs

Hamsters

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

11/8/99

OR INSTITUTIONAL OFFICIAL

2554

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

## 46-R-00246R0002

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

SOUTH DAKOTA STATE UNIV

ADMIN 130

#8X-9904--

Box 2201

. . .

BROOKINGS, SD 57007

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Sites)

See Attached

600

A	B. Number of	C Number of		ecessary or use APHIS FORM 7023A)	
Animals Covered By The Animal Welfare Regulations	animals being. bred,- conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL  (Cols. C D + E)
4. Dogs	1				<del> </del>
5. Cats					X 0
6. Guinea Pigs					<del>                                     </del>
7. Hamsters		24			
8. Rabbits		1			24
9. Non-human Primates					1
10. Sheep	1140	80			
11. Pigs	700	35	13	88	80
12. Other Farm Animals				- 00	136
Cattle	1318	3945	5	53	4000
13. Other Animals					4003
Goat		1			
Horses	66				1
Deer		30			
ASSURANCE STATEMENTS					30

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, feaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

(AUG 91)

APHIS FORM 7023 (Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 46-R-00246R0002

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

**CONTINUATION SHEET FOR ANNUAL REPORT** OF RESEARCH FACILITY (TYPE OR PRINT)

South Dakota State University AD 130, Box 2201 Brookings, SD 57007

REPORT OF ANIMALS USED BY O	R UNDER CONTROL O	F RESEARCH FACILITY	(Attach adiditional sheets if ne	cessary or use this form.)	
A Animals Covered By The Animal Welfare Regulations  12. &/OR 13. Other (List by species)	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	والمناول	F TOTAL NO. OF ANIMALS (Cols. C + D + E)
Coyote			4		4
Mountain lion		2			2
	·		·		
			·		
:					
			·		
ASSURANCE STATEMENTS					

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(P)(P)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

Registration Number: 98-A024 Hurley

Number 38 total, 24 Column E of animals used in the study (during the reporting period).

Species Bovine (cattle)

### Explain Procedures producing pain/ or distress:

The calves used in the study were monitored at 0, 4, 8, 12, 18, 24, 36 and 108 hours after birth to follow the distribution of maternal cells in their circulation and/or to evaluate the alloantigen response development of the calves. The animals had 2-3 ml of blood drawn from the juglar vein at each time point. Handling the animals and drawing blood this often over such a short period was the reason they were included among the column E animals. No other invasive or distressing procedures were conducted with these animals.

All calves were taken from the standing Dairy herd at SDSU.

Cows used in the study had multiple blood samples (4-8) of ~10ml drawn over a 10-14 day period to assess the degree of MHC relation among them. A subset of these animals were also drawn each day for use in the alloantigen evaluation listed above. The increased number of blood samples taken and increased handling of the cows over this short period was the only reason for inclusion under column E.

Provide scientific justification why pain/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results.

To the best of our knowledge, there is no appropriate means to relieve the distress of the calves in being repeatedly handled that does not pose similar or greater problems to the animals than the blood drawing procedure undertaken. The animals would require further handling to administer drugs to sedate them and the blood drawing procedure generally proceeded quickly, requiring about 5-10 minutes per animal. The animals did not appear to suffer harm from the removal of blood itself. Therefore, no method was appropriate.

Similarly, the cows tolerated the handling and blood drawing quite well. It was only the frequency of handling and blood collection that was a concern to our committee. No treatment posing lower distress or hazard to the animals was available to relieve the stress of handling or the small discomfort of blood drawing.

#### Column E Explanation

- 1. Registration Number: 98-A001
- 2. Number of animals used in this study: 27
- 3. Species (common name) of animals used in this study: Bovine
- 4. Explain the procedure producing pain and/or distress.

This project includes repeated blood sampling for serum neutralization assays on seven days over a 42-day period. Additionally this procedure involves challenge of animals with a virulent respiratory virus (PRSV).

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results.

Repeated blood samples from these same animals is needed to monitor response to vaccination protocols over time. Pain and distress associated with virus challenge (PRSV) cannot be relieved without altering the expected clinical course and subsequent evaluation of vaccination protocol.

6. What, if any, federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CRF) title number and the specific section number.

Agency: APHIS CFR: 9CFR

46R0002 NOV 30 1999

### Column E Explanation

1. Registration Number: 98-A014

2. Number of animals used in this study: 100

3. Species of animals used in this study: Pigs – adults, neonates and weaned

4. Explain the procedure producing pain and/or distress.

Pregnant gilts were inoculated intramuscularly at 90 days gestation with a virulent and avirulent strain of porcine reproductive and respiratory syndrome virus (PRRSV). The purpose was to evaluate the lack of virulence in a candidate vaccine strain of PRRSV by evaluating the presence of absence of disease in the gilts inoculated with the vaccine virus. Comparing the gilts given the vaccine candidate PRRSV with gilts given the virulence strain of PRRSV and gilts given a mock-inoculum did the evaluation of virulence. Pain and/or distress could include fever, imappetance, abortion or premature farrowing with stillborn and weak, live-born pigs.

Three- to six-day old pigs were inoculated either intranasally or intramuscularly with either a virulent or avirulent (candidate vaccine strain) form of PRRSV, and two commercially available live-attenuated PRRSV vaccines. Again, the purpose was to determine if the candidate vaccine virus induced disease and lesions in these pigs. The severity of the virulence of the candidate vaccine virus was determined by comparing these pigs with pigs given the virulent PRRSV, the commercial vaccines and mock-infected group. Pain and /or distress could include fever, inappetance, depression and potentially death.

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results.

The purpose of the experiment is to compare the virulence of a candidate vaccine strain of PRRSV, which should be less virulent than the parental virulent strain, to the disease and lesions induced by the virulent virus and two available commercial vaccines. There is no substitute system or host for the testing of PRRSV virulence other than the pig. It is necessary that we use both pigs and pregnant gilts, because the virus induces different syndromes in this age of pigs. A virus that does not induce disease in young pigs may not be safe for use in pregnant gilts.

Relief of pain or distress would either mask or reduce in severity the clinical parameters of fever, inappetance, depression and general body condition necessary for the evaluation of a candidate vaccine virus. Such relief of pain or distress may also reduce the severity of the lesions induced by the different PRRSV viruses.

We have determined that it is not necessary to use two different inoculum routes as previously outlined in this experiment. Thus, we have reduced the number of animals necessary to complete the experiment.

NOV 30 1999

99-A007 Pigs -- 11 46R0002

The time course required for the development of disease is sufficiently long that factors that adversely affect animal appetite, mobility and other animal behaviors such as anesthetics, analgesic and tranquilizers would adversely affect experimental outcomes and would likely decrease animal survival from the infectious challenge. Medications that reduce intestinal distress physiologically would make experimental outcomes non-interpretable.

98-A029

Pigs -- 12

46R0002

The time course required for the development of disease is sufficiently long that factors that adversely affect animal appetite, mobility and other animal behaviors such as anesthetics, analgesic and tranquilizers would adversely affect experimental outcomes and would likely decrease animal survival from the infectious challenge. This is particularly true with regard to this study as the pigs are new-borns and must learn to drink from feed bowls. Medication that reduces alertness will attenuate the learning process and adversely affect the animal as well as the study. Medications that reduce intestinal distress physiologically would make experimental outcomes non-interpretable.

### Column E Explanation

1. Registration Number:

96-027



2. Number of animals used in this study: 2

3. Species of animals used in this study: Bovine - calves

4. Explain the procedure producing pain and/or distress.

Calves were orally inoculated with a virulent strain of bovine coronavirus. This virus replicates in the cells lining the small intestine and colon of the calf. The result of virus replication is the destruction of these cells and the induction of a malabsorptive diarrhea. The diarrhea develops within 48 hours after inoculation and persists for up to 7 days. Calves are monitored daily of signs of depression, fever, dehydration and loss of bodily flesh. Calves that appear to becoming severely dehydrated are treated with an oral electrolyte solution to reduce potential of death.

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results.

The calves were allowed to experience the typical disease induced by inoculation with the calf coronaviruses. Our goal was to induce diarrhea in these calves, which will also result in the shedding of coronavirus particles in the feces. This was necessary to provide the investigators with fecal samples from a known calf infected with coronavirus. These known samples are then used as positive controls in the development of a new diagnostic assay for the detection of bovine coronavirus. We could not interfere with the development of the disease because this would eliminate the shedding of virus in the fecal samples. We did not intend for calves to become moribund as the result of this disease, only to develop diarrhea for a limited period of time to allow for the collection of coronavirus contaminated feces.

side for :formation Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.05

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code Vanderbilt University

S-1316 Medical Center North 21st. Avenue South

Nashville, TN 37232-2130 Status: Active

DEC 0.1 1499

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

See Attached

FACILITY LOCATIONS (Siles)

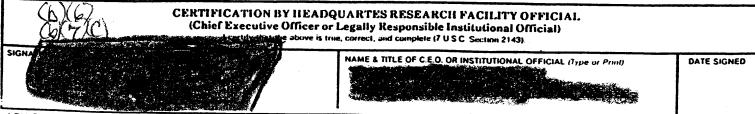
Medical Center North

Medical Research Building II

Wilson Hall

REPORT OF ANIMALS USED BY O	B. Number of	C Number of		E. Number of animals upon which teaching,	T
Animals Covered By The Animal Wellare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquitizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquitizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMAL: (Cols. C + D + E)
4. Dogs			304	49	353
5. Cats			23		23
6. Guinea Pigs		8	142		150
7. Hamsters		132	3		135
8. Rabbits.		162	773		935
9. Non-human Primates	307		220		220
10. Sheep			.97		97
11. Pigs		88	244		332
12. Other Farm Animals					
13. Other Animals					
Chinchillas			18		18
Ferrets			24		24
Galagos	53	1	89		89

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of



See reverse side for addition\*\* information

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

0180-DOA-AN

UNITED STATES DEPARTMENT OF AG LTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 63-R-0005

include Zip Code)

FORM APPROVED OMB NO. 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) Vanderbilt University S-1316 MCN 21st. Avenue South Nashville, TN 37232-2130

DEC 0 1 1999

REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	(Atlach adultional sheets a no	cossary or use this form t	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analysesc. or	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used.	TOTAL NO OF ANIMALS  (Cols. C + D + E)
(Ust by species)	purposes.	relieving drugs.	tranquilizing drugs were used.	must be attached to this report)	
<u>Gerbils</u>			84		84
Hedgehogs			8		8
Moles			8		8
Oppossums			3		3
Tree Shrews	5		8		8
	· .				
· · ·			·		
			·		
	1		I		

#### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of aniesthetic, analysis, and tranquilizing drugs, prior to, during and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility.
- 2): Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the districtional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, its well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

ficertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

### **Optional Column E Explanation Form**

This form is intended as an aid to completing the column E explanation. It is no official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists.

- 1 Registration Number: 63 R 005
- 2. Number 49 of animals used in this study.
- 3. Species (common name) canine (dogs) of animals used in this study.
- 4. Explain the procedure producing pain and/or distress.

The dogs are in category E because they are used in a study evaluating the effects of sepsis on glucose metabolism. In critically ill septic patients, glucose metabolism is significantly altered and understanding the underlying physic body would facilitate the management of these patients. The dogs are surgically instrumented with indwelling catheters under anesthesia. Several weeks later, in a second survival surgery, the dogs receive an intraperitoneal fibrin clot containing a titrated amount of E.coli. Other dogs receive a sterile fibrin clot Following clot administration a glucose metabolism study is performed on the dogs. The category E designation is due to the fact that analgesics are not administered to dogs during the thirty-six hours following septic clot administration. Dogs treated with the septic clot may become febrile and lethargic during the thirty—six hour period.

5. Provide scientific justification why pain and/or distress could not be relieved.

State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see question 6 below)

This potential pain/distress is not treated with analgesics. The investigator scientifically justified to the IACUC that the use of nonsteroidal anti-inflammatory analgesics and even opiod analgesics would modify the septic response. The investigator is very concerned about animal welfare and has titrated the dose of E.coli and sterile clot dogs based on clinical signs.

What, if any, federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102): N/A

Agency	L		_

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 20595-F-000

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

Commander, Tripler Army Medical Center Department of Clinical Investigation \_

ATTN: Tripler AMC, HI

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

**FACILITY LOCATIONS (Sites)** 

Bldg. 147B/148, Animal Facility, TAMC

Bldg. 40, Animal Research Facility, TAMC

Animals Covered By The Animal		
5. Cats 6. Guinea Pigs 18 26 10 13 7. Hamsters 8. Rabbits 9. Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals Goats 13. Other Animals Formate  Formate	or tests were ying pain or distress e use of appropriate ilizing drugs would cedures, results, or essearch, (An explanation of or distress in these	TOTAL NO. OF ANIMAL: (Cols. C + D + E)
6. Guinea Pigs 18 26 10 13 7. Hamsters 8. Rabbits 9. Non-human Primates 10. Sheep 11. Pigs 16 12. Other Farm Animals Goats 15 13. Other Animals		
7. Hamsters  8. Rabbits  9. Non-human Primates  10. Sheep  11. Pigs  12. Other Farm Animals  Goats  13. Other Animals  Formate		
7. Hamsters  8. Rabbits  9. Non-human Primates  10. Sheep  11. Pigs  12. Other Farm Animals  Goats  13. Other Animals  Farrate		49
9. Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals Goats 13. Other Animals Formate		<del></del>
10. Sheep  11. Pigs  12. Other Farm Animals  Goats  13. Other Animals  Formate		
11. Pigs		
12. Other Farm Animals  Goats  13. Other Animals  Formata		
Goats 15  3. Other Animals	1	 16
3. Other Animals		
Forreta	1	
Ferrets 5		.5
		,-
		5
SSURANCE STATEMENTS	DU B D	

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drubs, prior to, during, and tellowing actual research teaching testing surgery or experimentation were followed by this research facility: OCT 22 299

2). Each principal investigator has considered alternatives to painful procedures

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is allacted to this animal report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

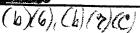
	ICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL f Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 USC Section 2143).
SIGNATURE OF C.E.O. OR INSTRUMENTAL OFFICIAL	

E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)



95F0001

# Optional Column E Explanation Form

This form is intended as an aid to completing the Column E explanation. It is <u>not</u> an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists.

1. Registration Number: 95-F-0001	
2. Number 13	of animals used in this study.
3. Species (common name) guinea pigs	of animals used in this study.

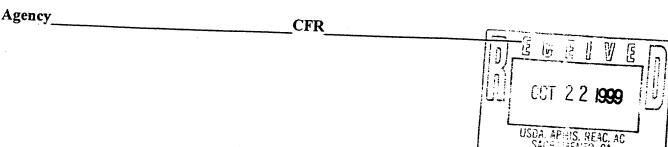
4. Explain the procedure producing pain and/or distress.

Starting at one to two days of age, neonatal guinea pigs are exposed to an atmosphere of 95% oxygen and 20 ppm nitric oxide for up to five days. Exposure to hyperoxia alone often produces respiratory distress after three to five days of exposure. Exposure to the combination of hyperoxia and nitric oxide may also result in respiratory distress. It should be noted that an early endpoint is used in this study: the guinea pigs are euthanized as soon as they progress beyond mild respiratory distress to develop cyanosis, lethargy, pallor, or abnormal resting posture.

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see question 6 below)

The development of lung injury was a parameter being studied. Relief of any respiratory distress would have required anesthesia and intubation, both of which would have confounded the natural course of the pulmonary effects of hyperoxia and the potential mediating effects of nitric oxide. Furthermore, intubation and mechanical ventilation would potentially introduce barotrauma as a confounding source of lung injury. Literature searches failed to reveal an alternative to the use of animals to measure the whole animal physiological functions of interest.

6. What, if any, federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):



95F0001

# Optional Column E Explanation Form

This form is intended as an aid to completing the Column E explanation. It is <u>not</u> an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists.

1. Registration Number: 95-F-0001		
2. Number 13	of animals used in this study.	
3. Species (common name) guinea pigs	of animals used in this study.	· - ·

4. Explain the procedure producing pain and/or distress.

Starting at one to two days of age, neonatal guinea pigs are exposed to an atmosphere of 95% oxygen and 20 ppm nitric oxide for up to five days. Exposure to hyperoxia alone often produces respiratory distress after three to five days of exposure. Exposure to the combination of hyperoxia and nitric oxide may also result in respiratory distress. It should be noted that an early endpoint is used in this study: the guinea pigs are euthanized as soon as they progress beyond mild respiratory distress to develop cyanosis, lethargy, pallor, or abnormal resting posture.

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see question 6 below)

The development of lung injury was a parameter being studied. Relief of any respiratory distress would have required anesthesia and intubation, both of which would have confounded the natural course of the pulmonary effects of hyperoxia and the potential mediating effects of nitric oxide. Furthermore, intubation and mechanical ventilation would potentially introduce barotrauma as a confounding source of lung injury. Literature searches failed to reveal an alternative to the use of animals to measure the whole animal physiological functions of interest.

6. What, if any, federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):

Agency	CFR				
				iš IV	[ [n]
			COT	2 2 <b>1999</b>	
			USDA, AF	PHIS, REAC, A	c

additional information

**4002** 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 10-F-0002

FORM APPROVED

OMB NO. 0579-0036 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Walter Reed Army Institute of Research Washington, DC 20307-5100

PY99

3. REPORTING FACILITY (List all locations where animals were housed at used in actual resourch, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (SITES) ...

Bldg 40, Walter Reed Army Medical Center

Bldg 511, WRAMC Forest Glen Annex

Washington, DC 20307-5100

Silver Spring, MD 20910

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, fosting, experiments, research, or surgery but not yel used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-reliaving drugs.	Y (Affach adibilitional shoots if n  D. Number of animals upon which experiments, teaching, research, surgery, or lests wore conducted involving accompanying pain or distress to the animals and for which appropriate enesthelic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	F.  YOTAL NO OF ANIMA  (Cals. C D + E)
4. Dogs	9	16	5	0	, 21
5. Cats	0	0	0	0	0
6. Guinea Plqs	0	382	188	21.4	784
7. Hamsiers	0	115	300	40	455
8. Rabbits	0	143	242	11	396
9. Non-human Primales	169	207	86	27	320
10. Sheep	0	0	0	0	<u> </u>
11. Pigs	1	5	59	14	78
12. Other Farm Animals	0	0	0	0	0
13. Other Animals					
	·				-
					<del></del>

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, fluctuding approviate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual recearch, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to pointui procedures.
- 3). This lacility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals ufforced
- 4). The attending vaterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary cure and to oversee the adoquacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legalty Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNE

Walter Reed Army Institute of Research, Washington, DC 20307-5100

ARHIS FORM 7023 (AUG 91)

(Roplaces VS FORM 18-23 (OCT 88), which is obsolete )



# DEPARTMENT OF THE ARMY WALTER REED ARMY INSTITUTE OF RESEARCH WALTER REED ARMY MEDICAL CENTER WASHINGTON, D.C. 20307-5100

10F 0002

8 November 1999

## Report to Accompany APHIS Form 7023 to support Column E listing (Unrelieved Pain or Distress)

All animal protocols were developed with input from the attending veterinary staff and reviewed by the IACUC to determine that all avenues of pain/distress relief were implemented where possible. Investigators must perform literature searches for alternatives to painful procedures, and the search strategy and results must be documented in every protocol. Those studies which required unrelieved pain were statistically designed to ensure that the least number of animals needed yield significant results were exposed to unrelieved pain or distress. Those animals experiencing unrelieved pain or distress were carefully monitored and given special husbandry provisions to provide as much comfort as possible (e.g.,easy access to food and water, increased bedding). Any moribund animals were humanely euthanized as soon as possible so that they did not experience prolonged suffering.

## **EXPLANATION OF UNRELIEVED PAIN OR DISTRESS:**

### Guinea Pigs -

Protocol 1 - The study of immune response to and protective efficacy of vaccine candidates directed against shigella requires an accurate evaluation of the immune response raised by the administration of these vaccines. The use of analgesics, particularly opiates or narcotics, result in immunosuppression, which would invalidate the results of experiments testing immune responses as well as increasing the severity of the possible eye infection, since immunized animals frequently develop either a mild infection or no infection at all. Use of analgesics that are anti-inflammatory (e.g. aspirin) would also invalidate the model since the PI is studying a model for inflammation of epithelial cells by bacterial invasion. The eyes are scored using a system of 1 to 3. In most cases animals will be euthanized as soon as it is apparent that a score of three is reached.

Protocol 2 - This is a Refinement (3Rs/alternatives) study to use with the Screny test. To achieve the primary objective of the study (refinement through analgesics), a minimum number of control animals must be utilized. The potential immunomodulatory effects of buprenorphine, used in conjunction with the guinea pig keratoconjunctivitis model, have yet to be evaluated. If buprenorphine is found to alter the specific immunological parameters, as measured in conjunction with the Screny test, then alternatives methods for controlling pain can be considered.

## Hamsters -

The purpose of the protocol is to establish an animal model of diarrhea, therefore any discomfort due to diarrhea cannot by treated pharmacologically due to risk of interference with the symptomatology associated with the infection. Any animal developing signs of diarrhea will be immediately provided supportive fluid treatment to diminish any discomfort associated with diarrhea. Any animals demonstrating stage two diarrhea for 2 days or stage three diarrhea for 1 day will also be euthanized. In addition, hamsters will undergo the distress of a 24 hour fast. This is necessary in order to get the best dose response prior to inoculation in order to induce actual diarrhea.

### Rabbits -

Following oral challenge with ETEC, rabbits may experience the discomfort of diarrhea and possible dehydration. However, the pain or distress caused by this non-surgical challenge procedure is far less than that of the more traumatic RITARD procedure. Supportive treatment will be provided (e.g. fluids provided orally, subcutaneously) however, since studies are concerned with the pathophysiology of bacterial enteritis no pharmacological agent will be used to reduce the discomfort of diarrhea due to risk of interference with symptomatology associated with the infection. The use of opiate analgesics may interfere with the diarrhea response by decreasing intestinal motility while non-opiate analgesics may interfere with the prostaglandin-mediated intestinal secretory mechanisms associate with the diarrhea response. One week after challenge, animals will be euthanized.

10 F0002

Report to Accompany APHIS Form 7023 to support Column E listing (Unrelieved Pain or Distress) WRAIR, Washington, DC 20307-5100

## Pigs -

12/03/99

The lethal shock that is induced by the lethal SE-challenge with the LD50 test in the positive control animals will necessarily cause pain to these animals. But positive controls are required to validate results. Analgesics would impact the physiological parameters, exacerbating the lethal shock or emesis induced by the SE and compromising analysis of collected data. If the experimental drugs proved their utility, the animals should experience relief, but should they not experience relief then that indicates failure of the drug and is necessary for that reason. In all circumstances, the animals will be under constant veterinary care and will not be subject to any unnecessary pain.

## Non-human Primates -

In humans, virulent S. flexneri 2a 3457T induces painful abdominal cramps and tenesmus accompanied by myalgia and fatigue. In general, unless the contrary is known or established, it should be assumed that procedures that cause pain in humans also cause pain in animals. Previous studies have shown that opioid down-regulation on the immune response. The potential immunomodulatory effects of buprenorphine have not been evaluated in the NHP model. A study to evaluate buprenorphine will be conducted along with the protocol. If it is not found to alter the specific immunological parameters as measured in this study, then alternatives methods for controlling pain can be deployed. Shigellosis is usually a self-limited infection in rhesus monkeys, and spontaneous recovery is expected after 48 to 72 hours of acute disease. Animals were continually evaluated by the veterinary staff. Guidelines were established to determine progresssion of illness. Once a certain point had been reached, supportive therapy was initiated.

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POC:

Walter Reed Army Institute of Research

1. REGISTRATION NO.

74**-₹-**009 FORM APPROVED 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

Department of Veterans Affairs Central Office Washington, DC

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ON MICKELL AL ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

<sup>有</sup>235年中,大英文和,《

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

South Texas Veterans Health Care System FACILITY LOCATIONS (Sites)

Audie L. Murphy Division

7400 Merton Minter Blyd. an Antonio TX

Dy Ine Animat			D. Number of animals upon which experien	ecessary or use APHIS FORM 7023A.)  E. Number of animals upon which teaching, experiments, research, compared to the compared	
welfare Regulations held too teaching experim research surgery yet used purposes		experiments, or lests were conducted involving no	which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	conducted involving accompanying pain or distret to the animals and for which the use of approprial anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in the animals and the	TOTAL NO OF ANIMAL
4. Dogs			useu.	animals and the reasons such drugs were not used must be attached to this report).	D + E)
5. Cats			5		<del></del>
6. Guinea Pigs		· ·			5
7. Hamsters				25	
8. Rabbits				25	25
9. Non-human Primates					
0. Sheep	<del> </del>				
1. Pigs					
2. Other Farm Animals				<i>y</i>	
. Other Animals					
Rats	-	· .			
lice		399	152		
	1822	12095	705		551
URANCE STATEMENTS				13597	
Professionally acceptable stand and following actual research, in Each principal investigation.				2	6397

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research facility 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the institutional Animal Care and Use Committee (IACHC). A summary of all such exceptions is attached to this annual report. In This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

OCT 1999 14

IIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )

671 VA Medical Center 7400 Merton Minter Blvd. San Antonio, TX 78284

## E. Explanation of Procedures

Guinea Pigs, Mice
Fungal agents are administered IC into guinea pigs. Infected animals develop systemic infection. The clinical presentations are anorexia, lethargy, and finally death. Additional medications would interfere with evaluation of the efficacy of the drugs being studied.

## Mice

The lifetime studies mice are allowed to die naturally without intervention to obtain valid statistical data on life spans.

See reverse side for additional information.

Interagency Report Control No

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

74-F-0001

FORM APPROVED

## ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

Air Force Research Laboratory, Veterinary Sciences Branch, AFRL/HEDV 2509 Kennedy Circle

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional FACILITY LOCATIONS (Sites)

Veterinary Sciences Branch

Brooks Air Force Base, Texas

	B. Number of	C Number of	TY (Attach adiditional sheets if n	ecessary or use APHIS FORM 7023A)	
Animals Covered By The Animal Wellare Regulations  4. Dogs	bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching. research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquitizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely allerted to	TOTAL NO OF ANIMAL (Cols. C. D + E)
. Cats				to this report).	
. Guinea Pigs					
Hamsters		141	620		
Rabbits			638		779
Non-human Primates	306	40	47		47
Sheep			58	118	216
Pigs			18		210
Other Farm Animals Goats			16	30	48
Other Animals		50	28		
					78
ANCE STATEMENTS rolessionally acceptable standard nd following actual research, lead				·	7

Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the orincipal investigator and approved by the Institutional Animal Care and Use Committee (IACLIC). A summary of all such exceptions is attached to this annual report. In This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete [7 U.S.C. Section 2143].

URE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL GIVE OF PRO

DATE SIGNED

22 Nov 99

NOV 26 1999

Air Force Research Laboratory, Brooks Air Force Base, Texas 78235-5118

Animals used in actual research or experimentation involving pain or distress without the use of drugs:

- 1. A total of one hundred eighteen (118) nonhuman primates, including those animals having multi-year assignments, were trained and their performance maintained by standard operant techniques using negative reinforcement. The use of drugs would have in performance training/maintenance and the identification of any decrement in performance resulting from experimental conditions.
- 2. A total of thirty (30) pigs, including those animals having multi-year assignments, were trained and their performance maintained by standard operant techniques using negative reinforcement. The use of drugs would have interfered with performance training/experimental conditions.

This report is fequired by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150. UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

74-R-0012

FORM APPROVED

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA TEXAS A&M UNIVERSITY

MAIL STOP 4473 AGRONOMY RD <del>PO DOX 28147</del>

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional FACILITY LOCATIONS (Sites)

See Attached

SE SE

	B. Number of _animals being bred,	C Number of animals upon which leaching.	D. Number of aumals upon which experiments,	ecessury or use APHIS FORM 7023A.)  E. Number of animals upon which feaching, experiments, research surrous	
Welfare Regulations  4. Dogs	conditioned, or held for use in teaching, testling, experiments, research, or surgery but not yet used for such purposes.	research, research, research, research, experiments, or tests were conducted involving no pain, distress, or use of pain- relieving drugs.	teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthelic, analgesic, or tranquilizing drugs were used	conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquitizing drugs would have adversely attected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in the	F.  TOTAL NO.  OF ANIMALS  (COIS. C +  D + E)
5. Cats	-	380	169	must be attached to this report).	J , E)
6. Guinea Pigs		17	19		549
7. Hamsters		777	45		36
8. Rabbits		13	10	18	840
Non-human Primates		228	676		23
10. Sheep		27			904
11. Pigs	38	20			27
2. Other Farm Animals	57	79	341		20
. Cattle	3				420
3. Other Animals			8		
Bighorn Cross	3				8
Irian Red Sheep	9				
Bison	-				
SURANCE STATEMENTS  1). Professionally acceptable standa and following actual research, tell  1). Each principal investigations.		17			

<sup>1).</sup> Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research feaching, lesting, surgery or experimentation were followed by this research facility.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) ATURE OF C.E.O. OR

identivitial the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)

DATE SIGNED

IS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OC

which is obsolete.)



<sup>3).</sup> This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

<sup>1).</sup> The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

See reverse side for additional information.

Interagency Report Control No. 0180-DOA-AN

CNITED STATES DEPARTMENT OF AGRICULTURE AND ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 74-R-0012

FORM APPROVED OMB NO. 0579-0036

## CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, Texas A&M University MS 4473, Agronomy Rd.

( TYPE OR PRINT) College Station, TX 77843-4473

REPORT OF ANIMALS USED BY	B. Number of	C Number 1	(Attach adiditional sheets if n	ecessary or use this form	
Animals Covered By The Animal Welfare Regulations	bred, conditioned, or held for use in teaching, testing, experiments, research, or	animals upon which teaching, research, experiments, or tests were conducted	which experiments, teaching, research, surgery, or tests were conducted involving accompanying pairs	Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely.	F TOTAL NO. OF ANIMAL
12. &/OR 13. Other (List by species)	surgery but not yet used for such purposes.	involving no pain, distress, or use of pain- relieving drugs.	distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were	experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the control of the control	(Cols. C +
Coyotes			useu.	must be attached to this report).	D + E)
White Tail Deer	32	6	11		11
Antelope	2				6
Llamas	2				<u> </u>
Goats	12		10		
Peromyscus Mice	206	14	12		12
et a service and		14			14
	-				
SURANCE STATEMENTS					

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- ). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

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CEPTIFICATION		
OBIGITICATION BY HEADOWADOW		
CERTIFICATION BY HEADQUARTES RESEARCH FACILIT		
Chief Executive Officer	ነV ለገር	2010 A
Officer or Legally Responsible	· Or	FICIAL
(Chief Executive Officer or Legally Responsible Institutions	Inc	

Officer or Legally Responsible Institutional Official) certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

IS FORM (AUG 91)

PART 1 - HEADQUARTERS

4-14-6

# TEXAS A&M UNIVERSITY'S SITES USDA SITE DESIGNATIONS

Site 1	TEXAS A&M UNIVERSITY College Station Campus (Facilities Listed Below)	Active
	LARR Main	Active
	LARR Support (Research Park)	Active
	Biology Vivarium	Active
	Vivarium III (Phys/Pharm)	
	Vet Med Park	Active
	Vet Teaching Hospital	Active
	USDA Building #6	Active
	Exotic Wildlife Facilities (Deer Pens)	Active
	Medical Sciences Building	Active
	Kleberg Building	Active
	Stevenson Center	Active
		Active
	Animal Science Teaching Research Extension Complex (ASTREC)	Active
te 13	Temple VA	
		Active

# Optional Column E Explanation Form

This form is intended as an aid to completing the Column E explanation. It is <u>not</u> an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists.

1. Registration Number:	74-R-0012	
2. Number 18		of animals used in this study.
3. Species (common name)	guinea pig	of animals used in this study.
4. Explain the procedure	producing pain ar	
been shown to produce no a animals move about, eat and circulatory depression begin lethargy, and non-responsiv muscle and cardiac contract	apparent initial discord drink freely. With to appear: low bloeness to the environal function and appear periods following	es (0.1-0.2 ml) of either sterile saline or purified aline as a rapid IP injection. This procedure has comfort or stress to the animal for several hours; ain 5-6 hours, the signs and symptoms of cood pressure, central nervous system depression, ament. Our study involved evaluation of smooth propriate therapy throughout the various stages of g injection, guinea pigs will be euthanized and excised for study.
5. Provide scientific justif relieved. State methods or relief would interfere with question 6 below)		and/or distress could not be termine that pain and/or distress ederally mandated testing, see
	n septic shock state  966-present	s markedly alter and further depress this model, c contractile function to the evaluated. This following bacteremic infection.  gs, analgesia, anesthesia.
. What, if any, federal regu	llations require thi	s procedure? Cite the agency, umber and the specific section
gency	CFI	

74-R-0071

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY IName and Address, as registered with USDA.

The University of Texas Health Science Center at San Antonio 7703 Floyd Curl Drive San Antonio, Texas 78229-3900

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

FY 1998-99

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)

UTHSCSA/Main Campus 7703 Floyd Curl, San Antonio, Texas

Research Imaging Center 8403 Floyd Curl, San Antonio,

VA Hospital

7400 Merton Minter, San Antonio, Texas

REPORT OF ANIMALS USED BY	OR UNDER CONTROL O	F RESEARCH FACILIT	Y lattach aufiditional sheets if n	ecession of use APHIS FORM 70234)	
AAnimals Covered By The Animal Wellare Regulations	animals being	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments. Itaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching seems.	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	4	92	158	24	274
5. Cals		8	2		10
6. Guinea Pics		10		10	10
7. Hamsters		101	12	40	50
8. Rabbits	11	114	359	0	113
9. Non-human Primates	44	62	9	0	473
10. Sheep			12		71
31. Pigs	2	10	68		12
\$2. Other Farm Animals			08		78
13. Other Animals					
<b>O</b> possums		40			
Gerbils		24			40
		+			24
ASSURANCE STATEMENTS	· L				

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching. Testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

HIS FORM 7023

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

The University of Texas Health Science Center at San Antonio

DATE SIGNED

GNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

## 16 November 1999

## USDA Registration No. 74-R-071

## The University of Texas Health Science Center at San Antonio USDA Report 1998-99 Category "E"

## Eighteen (18) Dogs

Anti-cancer candidate drugs were administered to 18 dogs for regulatory (NDA or IND) toxicology studies. These dogs were included in category "E" due to the potential for adverse effects from the compounds. Anesthetics or analgesics were precluded because they would confound data on this strict regulatory protocol.

## Forty (40) Guinea Pigs

Forty guinea pigs were infected with a dermatophyte in order to evaluate the efficacy of a new polymer containing a sustained-release antifungal compound in the treatment of superficial mycoses. The guinea pigs were included in category "E" due to the potential for skin irritation. Close observation revealed 23 of the 40 animals developed some level of skin irritation in each dog. Anesthetics or analgesics were not administered because they could confound the study.

## Six (6) Dogs

Six dogs were used to evaluate basic fibroblast growth factor distribution in fracture sites. The distal end of one radius was fractured while the dogs were under surgical anesthesia. The injured limb was rigidly immobilized in a cast and the dogs allowed to recover from anesthesia. Buprenex was administered BID for pain. The dogs were euthanatized 52 hours post fracture. They were included in column "E" due to the potential for pain or distress, even with surgical anesthesia and post-operative analgesia.

See reverse side for additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.29

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

35 ROO 20 OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code: College of Wisconsin 8701 Watertown Plank Road than winder V c P.O. Box 26509

Milwaukee, Wi 53226

· NOV 1 0 1999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Affach additional FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adultional sheets if necessary or use APHIS FORM 7023A.) Animals Covered By The Animal D. Number of animals upon oqu alamina Number of animals upon which teaching. bred, which leaching, which experiments, experiments, research, surgery or tests were conditioned, or Welfare Regulations leaching, research, conducted involving accompanying pain or distress research, held for use in experiments, or surgery, or tests were to the animals and for which the use of appropriate teaching, lesting, conducted involving lesis were anesthetic, analgesic, or tranquilizing drugs would experiments. accompanying pain or conducted have adversely affected the procedures, results, or TOTAL NO research, or distress to the animals interpretation of the teaching, research. involving no OF ANIMALS surgery but not and for which appropriate pain, distress, or experiments, surgery, or lests. (An explanation of the procedures producing pain or distress in these yet used for such anesthetic, analgesic, or use of painpurposes. Iranquilizing drugs were (Cols. C + D + E) relieving drugs animals and the reasons such drugs were not used must be attached to this report). 4. Dogs 35 1,078 Cats 1,113 190 Guinea Pigs 190 679 Hamsters 679 6 8. Rabbits

120 6 638 Non-human Primates 35 793 10. Sheep 8 8 11. Pigs 11 59 -0-12. Other Farm Animals 70

**GOATS** 14

13. Other Animals 14 CHINCHILLAS 70 PRAIRIE DOGS

70 52 SSURANCE STATEMENTS 52

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research feaching festing surgery, or experimentation were followed by this received facility.

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). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/4/95

PART

S FORM 7023 AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

Justification for 20 rabbits in Column E

35 K 00 29
Registration No: 35-R-0029

IX. Write a brief description of the procedures to be utilized on the animals in your research project. Indicate any physical or physiological impairment or loss of function occurring to the animal from your procedure, i.e., diabetes, blindness, loss of motor abilities. Use additional paper if necessary and attach the methods and vertebrate animal portions from your grant proposal.

In these studies, the comeas of rabbits will be infected with the McKrae strain of herpes simplex virus type 1. Herpetic keratitis will be allowed to develop for 7 days prior to initiating therapy. During this time the rabbits will experience some pain and discomfort. The level of discomfort the animals experience is hard to quantify but they do not rub their eyes excessively, suggesting the discomfort is not severe.

Therapy with an antiviral agent and an anti-inflammatory agent will be initiated on day 7 post-infection and continued until days 14 to 20. The natural course of acute disease is symptomatic during the period of 3 to 20 days post infection. The disease is self-limiting and generally becomes asymptomatic in rabbits about 20 days post-infection.

It is necessary to allow the disease to develop untreated in order to mimic the human situation. Patients do not come for therapy until they become symptomatic. By this time, the immune/inflammatory response has been triggered and latent infection of the sensory nerves that serve the infected dermatome have been established.

The use of topical or systemic analgesics is not a viable option in these studies because HSV is a neurotrophic virus. Any treatment that includes drugs that alter nerve function could affect the outcome of experiments designed to evaluate antiviral/anti-inflammatory therapy. Similarly, studies of viral latency could be dramatically influenced by neuroactive drugs. Initiation of antiviral therapy on the day of infection or within a day or two of infection would prevent the disease from developing, thus negating the model.

Registration No: 35-R-0029

APPLICATION FOR APPROVAL OF THE USE OF ANIMALS IN RESEARCH AND TEACHING Date: 4/3/97

Page 2, supplement

NOT A FOIA DELETION

III. b. If survival surgery is performed, outline postoperative care including use of analgesics and list the names of personnel who will provide the

I really don't know if the procedure of infection is considered surgery. Animals will be anesthetized as described below. After injection of virus in the subalveolar mucosa and/or intrastromally, rabbits will be observed hourly until ambulatory.

III. e. Will there be any procedure that would cause the animal pain or discomfort greater than that caused by inducing anesthesia or drawing blood? (If yes, describe and justify.)

Rabbits are anesthetized with ketamine and xylazine and then given a primary herpetic infection by injection of 10<sup>5</sup> pfu of herpes simplex virus at the midline of the alveolar mucosa. A subclinical gingivitis, neutralizing antibody titer, and latent ganglial infection result from this primary disease. These animals demonstrate little pain or discomfort and eat normally. primary infection, the corneas of rabbits will be infected. The corneas of rabbits will be infected with herpes simplex virus type 1 by intrastromal injection of 20 microliters containing 103 pfu of virus. injection of virus may cause transient pain, but the animals will be anesthetized with ketamine and xylazine. The local anesthetic proparacaine will be used to reduce corneal sensation. Upon regaining consciousness the rabbits display no discomfort. Over the next 15 days the rabbits develop and recover from stromal keratitis. During this time they likely experience some reduced vision due to HSV-1 is a neurotrophic virus which establishes latent infections in neurons. During latency, however, no pain or sense of latent. infection is experienced by humans, and it is unlikely that animals experience pain. Because our studies focus on latency, no anesthetics can be given because they can affect the state of latency. The rabbits experience impaired vision with only about 2% developing monocular blindness. Bilateral blindness is very rare and, if it develops, the animal will be sacrificed. antivirals could defeat the purpose of the studies. Administration of

a. Describe the applicable substance (i.e., infectious agent, isotope). V.

Herpes simplex virus type 1 is considered a Class II pathogen by NIH guidelines; therefore, containment is the principal issue. All procedures will be done in the assigned biocontainment room, and tissues removed from the room for further analysis will be contained for transport to our lab.

APPLICATION FOR APPROVAL OF THE USE OF ANIMALS IN RESEARCH AND TEACHING Principal Investigator:

Page 3, supplement

**NOT A FOIA DELETION** 

VIII. c. Animals will be used in a project involving pain or distress without administration of appropriate anesthetic, analgesic or tranquilizer drugs. (Attach a statement justifying why such drugs will not be

The purpose of the proposed study is to determine the mechanism of latency of herpes simplex virus. The virus is a neurotrophic virus which establishes latency in the sensory nerves (in this case, the trigeminal ganglia) of the infected dermatome, and DNA persists at the site of infection in the dermatome (in this case, the cornea). Treatment or physical manipulation of these tissues may induce reactivation and thus disturb the latent state.

IX. Write a brief description of the procedures to be utilized on the animals in your research project. Indicate any physical or physiological impairment or loss of function occurring to the animal from your procedure, i.e., diabetes, blindness, loss of motor abilities. Use additional paper if necessary and attach the methods and vertebrate animal portions from your grant proposal.

Rabbits will be given primary herpetic infections by the injection of  $10^5\,$ pfu of HSV-1 at the midline of the alveolar mucosa. About 30 days later the corneas of rabbits will be infected with HSV-1 by intrastromal injection of 1000 plaque forming units of virus in 20 microliters or an equivalent dilution of mock antigen. Prior to injection the rabbits will be anesthetized with 25 mg/kg ketamine and 5 mg/kg xylazine and 2 drops of 0.5% proparacaine per eys. Herpetic keratitis will be allowed to develop. Thus the animals will experience reduced vision for about 15 days. The keratitis will spontaneously resolve and latency will have been Any animals that become blinded will be sacrificed immediately. Our past studies tell us that it will be less than 1% with this virus. Other strains of virus produce blinding complications at much higher frequency. At varying time intervals between 40 and 120 days post infection, rabbits will be sacrificed using euthanasia solution Immediately following death, tissues (corneal and trigeminal ganglia) will be taken for laboratory analysis.

Registration No.: 35-R-0029

CONT.

35R 0029

In these studies, the corneas of rabbits will be infected withthe McKrae Strain of herpes simplex virus type 1. Herpetic keratitis will be allowed to develop for 7 days prior toinitiating therapy. During this time the rabbits will experience some pain and discomfort. The level of discomfort the animals experience is hard to quantify but they do not rub their eyes excessively, suggesting the discomfort is not severe.

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(b)(6), (b)(7)(c)

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA unclude Zip Code) Univ of the Sciences in Philadelph

600 South 43rd Street

P.O. Box 6800 Philadelphia, PA 19104

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

**FACILITY LOCATIONS (Sites)** 

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred. conditioned, or held for use in feaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic; analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or fests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	. 0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	0	26	0	0	26
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	C	0	0
12. Other Farm Animals	0	0	0	O	0
13. Other Animals	0	0	0	0	0

#### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(b)(6) Ca)(7/14) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

(AUG 91)

replaces VS FORM 18-23 (OCT 88), which is obsolete)

(b)(b), (b)(7)(c)

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

October 1, 1999 to September 30, 2000

## ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO.003

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) and Medical Decearch Henry include Zip Code Lankenau Medical Research Wenter,

100 Lancaster Avenue P.O. Box 6800

OCT 28 1999

Wynnewood, PA 19096 Status: Active

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D	- 1		_	•	•	•	•	•	•	•	•	•	7	•	•	=	=	=	_	

212

212	housed or used in actual research, testing, teaching, or experimentation, or held for these purpo	oses. Attach additional
	housed of used in bottle	
sheets if necessary.)	FACILITY LOCATIONS (Siles)	
	FACILITY LOCATIONS (Sites)	

EPORT OF ANIMALS USED BY OF  Animals Covered  By The Animal  Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
	0	0	0	0	0
4. Dogs		0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0			0	0
7. Hamsters	0	0	0	0	56
	0	0	56		0
	0	0	0	0	
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs		0	0	0	0
12. Other Farm Animals	0				
				0	0
13. Other Animals	0	, 0	0		
	-				

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, ASSURANCE STATEMENTS and following acceptable standards governing the care, negatively, and use of similars, including approvince use of an following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

4) The attending veterinarian for this research facility	has appropriate authority to ensure the provision of adequate recently,	_
annual care and use CERTIFI	ATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL  xecutive Officer or Legally Responsible Institutional Official)  xecutive Officer or Legally Responsible Institutional Official)	_
SIGNATURE OF C'E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)  10/19/9	9
	(6)(6) (6)(7)(c)	

79 JA

This report is required by the (7 USC 2145). Failure to report according in the regulations can result in an order to colde and detect and to be subject to possible as provided by in Section 2150.

See reverse side for additional information

histogency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT NEALTH INSPECTION STRVICE

1. REGISTRATION NO. 23 R 0005

FORM APPROVED OMB NO 0279-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

219

2. NEADQUARTERS RESEARCH FACULTY ON amo and Address as registered with USOA inching Zip Code;

MCP HAHNEMANN UNIVERSITY

245 NISIE STREET
PHILADELPHIA. PA. 19102

3. REPORTING FACTUTY (LIST All locations where animals were housed or local in actual rescarch, testing, reaching, or experimentation, or hold for these purposes. Attach additional sheets it recensury.)

FACILITY LOCATIONS (SIM)

HAHNEMANN UNIVERLITY HOSP.

MCP HAHNEMANN SCHOOL OF MED QUEENLA

EPPI (EASTERN PENNSYLVANIA BYCH

A	B. Nember of	C Mumber of		PCRISHY OF IESE APINS FORM 700'SA)	
Anunat: Covered By The Animal Westure Regulations.	an indirect of control of the contro	C Number of animals traching, tosearch, opportunits, or tests were conducted involving no pain, dialocts, or use of pain referring drugs.	D. Number of Stancills upon which behaviournity, insching inseurch, turgery, or tests were conducted abunding seconducted abunding seconducted abunding seconducted abunding and for which appropriate secsibate, stolygetic, or transplinting drops were used.	E Nombro of animals upon which teaching, asperiments, resourch, surgery or lests were conducted involving accompanying pain or distress to the animals and for which this use of appropriate breatheries, analysises or transpalling drups would have adversely affocted the procedures, strauts, or interpretation of the teaching, research, coponitionals, surgery, or lests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drups were not used mest be afforded to this report).	F.  TOTAL MO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	,	2	13		15
S. Cals					
6. Guinea Pigs		3	240		243
7. Hamslers					
8. Rabbins		320	80		400
9. Non-human Primates			3		3
10. Sheep					
11. Pigs			295		295
12. Other Farm Anunals					
13. Other Animals	·				
	·				
ASSURANCE STATEMENTS			<del></del>		•

- 1) Prolyssionally acceptable standards governing the care, limitary, and use of animals, including approximate use of anisability, and framquilled drings, price to, dramg, and following actual research, toaching, testing, surgery, or excemnosistion were inflamed by the research toaching.
- 2) Each principal avestigator has composed alternatives to painful procedures
- 3) This tourity is authoring to the standards and regulations water the 4st. and it has required that exceptions to the standards and regulations by specified and amplianted by the proceed investigator and approved by the incidimental Assistational Assistation (in admitted (IACUC). A tumbury of the succeptions is attached to this annual report. In addition to admittying the IACUC approved autentions, this summary bedwards brief explanation of the exceptions, so well as the species and number of minute affected.
- 4) The attending repetitionism for this research laurity has appropriate vulboray to ensure the provision of bullequate reterminy care and to oversee the adequacy of other ospects of business used use.

(Chief Executive Office	ADQUARTES RESEARCH FACILITY OFFICIAL.  For Legally Responsible Institutional Official)  a true, connect, and complete IV U.S.C. Synthem 21420	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	MAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Plant)	DATE SIGNED
(W) (m) (c)		12/5/49

APHIS FORM 7023 (AUG 91)

(Repticos VS FORM 18-23 (OCT 88), which is obsolute)

(6)(6),(6)(7)(0

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION 1006 23R001

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Fildsburgh Mercy Health System

1400 Locust Street P.O. Box 6800 Pittsburgh, PA 15219-5166

Status: Active

ANNUAL REPORT OF RESEARCH FACILIT	ΓΥ
(TYPE OR PRINT)	
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See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Altach additional sheets if necessary or use APHIS FORM 7023A.) Number of animals upon which teaching, B. Number of C Number of D. Number of animals upon experiments, research, surgery or lests were animals being animals upon which experiments, conducted involving accompanying pain or distress which teaching, bred. **Animals Covered** teaching, research, to the animals and for which the use of appropriate TOTAL NO. conditioned, or research, By The Animal surgery, or lests were anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS held for use in experiments, or Wellare Regulations conducted involving have adversely affected the procedures, results, or teaching, testing, lesis were accompanying pain or interpretation of the teaching, research, experiments, research, or conducted distress to the animals experiments, surgery, or tests. (An explanation of (Cois. C + D + E) involving no and for which appropriate the procedures producing pain or distress in these surgery but not pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs Dogs Cats Guinea Pigs Hamsters Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals 0

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility
- Each principal investigator has considered alternatives to painful procedures

**ASSURANCE STATEMENTS** 

(AUG 91)

- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

orimion conc oring tipe				
(b)6). (b) (r)(c)	(Chief Executive Officer or	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) le, correct, and complete (7 USC Section 2143)	(b)(6),	(6)(7)(4)
SIGNATURE OF C.E.O. OR INSTITUTION	AL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of P.	rmt)	DATE SIGNED
			1	9/15/99
ORM 7023 (Replace	es VS FORM 18-23 (OCT 88), which is	obsolete) $(b)(\zeta)$ , $(b)(7)(C)$		

1. REGISTRATION NOOT

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Covance Research Products, Inc.

310 Swampbridge Road P.O. Box 7200

Denver, PA 17517 Status: Active

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

3. RÉPORTING FACILITY (List all locations where animals were housed or used in actual research, lesting, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary

See Attached

FACILITY LOCATIONS (Sites)

Covance Research Products Inc.

465 Swamphridge Rd Denver, PA

REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if ne-	CUSSURY OF USE APHIS FORM 7023A)	
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lestling, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lesis were conducted involving no pain, distress, or use of pain-relieving drugs	O Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	N/A	4	N/A	N/A	4
5. Cats	·N/A	N/A	N/A	N/A	N/A
6. Guinea Pigs	77	1,225	156	N/A	1,381
7. Hamsters	N/A	N/A	N/A	N/A	N/A
8. Rabbits	98	9,302	228	N/A	9,530
9. Non-human Primates	N/A	7	N/A	N/A	7
10. Sheep	2	68	N/A	N/A	68
11. Pigs / swine	1	130	N/A	N/A	130
Goats 12. Other Farm Animals	23	31	N/A	N/A	31
Horses	1	10	N/A	N/A	10
13. Other Animals					· · · · · · · · · · · · · · · · · · ·
Turkeys	N/A	4	N/A	N/A	4
Rats	18	153	N/A	N/A	153
Mice	2,000	13,533	N/A	N/A	13,533

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility

2) Each principal investigator has considered alternatives to painful procedures

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the this admitting to the statement of the s

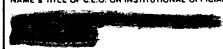
4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of ununal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Ecertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/15/99



1. REGISTRATION NO. 23-R-0007 FORM APPROVED OMB NO. 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

Covance Research Products, Inc.

17517

310 Swampbridge Road

PO Box 7200 Denver, PA

NOV 1 7 1999

T OF ANIMALS USED BY	OR UNDER CONTROL OF	RESEARCH FACILITY	Attach adiditional sheets if nec	E. Number of animals upon which feaching,	F
Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain, relieving drugs.	D Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMA  (COIS. C D + E)
(List by species)	purposes.	4	used. N/A	N/A	4
Bovine	N/A				2
Burro	N/A	2	N/A	N/A	
Chickens	149	215	N/A	N/A	215
					-
					-
			,		
					-

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects at

## animal care and use CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL APHIS FORM 7023A (6)(6), (6)(7)(C)



DATE SIGNED 11/15/99

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NOOS 23R000

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA unclude Zip (pde) Rhone-Poulenc Rorer Pharmaceutical

500 Arcola Road

PO Box 5090 Collegeville, PA 19426-0994 Status: Active

NOV 2 9 1999

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	24	223	266	11	500
5. Cats	<i>,</i> –	-	-	-	-
6. Guinea Pigs	-	•	-	_	-
7. Hamsters	6	-	131	-	. 131
8. Rabbits	32	98	117	-	215
9. Non-human Primates	8	17	28	_	45
10. Sheep	<b>-</b>	-	_	_	-
11. Pigs	23	_	224		224
12. Other Farm Animals	_	-	-	<del>-</del>	
13. Other Animals					

### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official) Learnly that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(b)(6)(6)(7)(U)

23R 0009

### COLUMN "E" ANIMALS

Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery or tests.

#### DOGS

Procedure: 5-Day Oral Exploratory Toxicity Study in Dogs

Results: The drug being evaluated caused emesis intermittently during the course of the study. Medical intervention would have introduced uncontrolled variables into the study; thereby, rendering the results uninterpretable and/or requiring the study to be repeated with additional animals.

Number with Pain or Distress: 1 Dog

Procedure: 5-Day Oral Exploratory Toxicity Study in Dogs

Results: The drug being evaluated caused decreased motor activity, emesis and salivation for a short duration following drug administration over a period of 2 to 3 days. One animal exhibited tremors on the second day of dosing during the first hour. This observation was not evident thereafter. Medical intervention would have introduced uncontrolled variables into the study; thereby, rendering the results uninterpretable and/or requiring the study to be repeated with additional animals.

Number with Pain or Distress: 10 Dogs

Total Number with Pain or Distress: 11 Dogs

IACUC APPROVED EXCEPTIONS TO THE DOG EXERCISE PLAN

None

IACUC APPROVED EXCEPTIONS TO THE NONHUMAN PRIMATE PLAN FOR ENVIRONMENTAL ENRICHMENT

None

additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO 10

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code) Juniata College 1700 Moore Street PO Box 5090 Huntingdon, PA 16652

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

See Attached

Site #1 Juniata College Animal Facility

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or fests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL:  (Cols. C + D + E)
. Dogs					
. Cats					
s. Guinea Pigs					
'. Hamsters					
. Rabbits					
. Non-human Primates		6			6
0. Sheep					
1. Pigs					
2. Other Farm Animals					
Chickens			4/wk/12 wks		48
3. Other Animals					
Rats & Mice		11			11
Snakes			60		60

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

C6/C6, C6)(7)(C)	(Chief Busanting Officer or	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) e, correct, and complete (7 U S C Section 2143)
SIGNATURE OF CE O OR INSTITUTION		NAME & TITLE OF CEO. OR INSTITUTIONAL OFFICIAL (Twose or Pr

DATE SIGNED

11-4-99

uces VS FORM 18-23 (OCT 88), which is obsolete)

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.11

PROVED FORM AP OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA Include Zip Code)
Inomas Jefferson University

11th and Walnut Street

PO Box 5090

Philadelphia, PA 19107

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** See Attached

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	27	0	27
5. Cats	. 0	0	18	15	33
6. Guinea Pigs	0	18	26	0	44
7. Hamsters	0	3	0	0	3
8. Rabbits	0	194	212	0	406
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	16	0	16
11. Pigs	0	0	137 -	0	137
12. Other Farm Animals				国际 2—1	
Lamb	0	0	6	1 2 1999 0	6
13. Other Animals			145 <b>N</b> U	Y	
Macaque	0	13	6 BY:-	21	40
Squirrel Monkey	0	0	5	11	16
Opossum	0	0	55	0	55
ASSURANCE STATEMENTS					

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL. (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

Thomas Jefferson University

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

# 23R0011

**Site:** 005

Office of Animal Resources

Status: Active

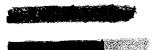
College-Curtis/Jefferson Alumni Hall

Bluemle Life Sciences

Philadelphia, PA 19107-6799

County: Philadelphia

Contact Person NE



(6)(6) (6)(7)(4)

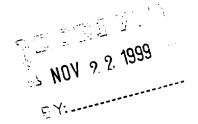
NOV 9. 2 1999

## Explanation of Category E

Non-human primates and cats were injected with MPTP to induce signs of Parkinson disease. Animals received careful monitoring and supportive care, but the development of neurologic signs was a necessary feature of this animal model that is required for this research program.

## Reportable IACUC - Approved Exceptions

The only IACUC – approved exception to USDA regulations and the Guide was to allow water deprivation for non-human primates on a behavioral study of cognitive/motor function. The IACUC has established written guidelines for this procedure.



ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO 12

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) SmithKline Beecham Pharmaceuticals

709 Swedeland Road

PO Box 1539

King of Prussia, PA 19406-0939

Status: Active

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these -purposes - Attach additional sheets if necessary)

FACILITY LOCATIONS (Siles) See Attached

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (COIS. C + D + E)
4. Dogs	96	194	132	0	326
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	1607	392	0	1999
7. Hamsters	0	41	0	0	41
8. Rabbits	4	259	551	0	814
9. Non-human Primates	111	419	75	0	494
10. Sheep	0	0	0	0	0
11. Pigs	0	0	7	0	7
12. Other Farm Animals	0	0	0	0 .	0
13. Other Animals					
Frogs	_0	. , 9	0	0	9
Gerbils	0	295	0	0	295

#### ASSURANCE STATEMENTS

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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use

### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

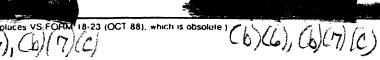
DATE SIGNED

120 3.19

SIGNATURE OF C.E.O. OR INSTITUTIONAL DESICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

APHIS FORM 7023 (AUG 91)



ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.13

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Duquesne University of the Holy Gh

Central Animal Care Facility

**Bluff Street** 

Status: Active

Pittsburgh, PA 15282

3 NOV 08 1999

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Siles)

See Attached

B101 Bayer Learning Center

Pittshurgh 15282

REPORT OF ANIMALS USED BY OF	·		(Allach adiditional sheets if he		
A. Animals Covered By The Animal Weltare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely altected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs			*		
5. Cats					
6. Guinea Pigs	,				
7. Hamsters					·
8. Rabbits					
9. Non-human Primates		·			
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
No covered ani	mals were	used in	research from	10/1/98 through 9/30/99	

## Professionally acceptable standards governing the care, treatment, and use of animals, including approximate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility

- 2) Each principal investigator has considered alternatives to painful procedures
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Tigertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(AUG 91)

(TYPE OR PRINT)

See Attached

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Code)
Donald Guthrie Foundation One Guthrie Square ANNUAL REPORT OF RESEARCH FACILITY

**Bluff Street** Sayre, PA 18840 Status: Active

OCT | 8 1999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) **FACILITY LOCATIONS (Siles)** 

				ACHIE COMA 7000A	
A.  Animals Covered By The Animal Wellare Regulations	B. UNDER CONTROL Of B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs	•				
7. Hamsters					
8. Rabbits		16	6		22
9. Non-human Primates					
10. Sheep					·
11. Pigs			7		7
12. Other Farm Animals					
13. Other Animals					
		•			
ASSURANCE STATEMENTS					

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Figerfity that the above is true, correct, and complete (7 U.S.C. Section 2143) SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

10-11-99



1. REGISTRATION NO.16 23 ROOK

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) University of Pittsburgh

\$1040 Biomedical Science Tower

3500 Terrace Street

Pittsburgh, PA 15261 Status: Active

NOV 1 5 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held lor these purposes. \_Attach-additional

FACILITY LOCATIONS (Sites)

See Attached

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in reaching, resting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or fests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	21	0	161	0	161
5. Cats	22	44	31	0	75
6. Guinea Pigs	40	0	40	0	40
7. Hamsters	131	0	1288	0	1288
8. Rabbits	50	0	2071	0	2071
9. Non-human Primates	169	298	197	0	495
10. Sheep	0	0	1	0	1
11. Pigs	0	15	225	0	240
Calves 12. Other Farm Animals	1	0	58	0	58
Goats	0	0	40	0	40
Ferrets 13. Other Animals	0	23	0	0	23
		•			

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print).

DATE SIGNED

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolute

DIMCBIIR GU. PA 167 12 ---

25-K-016

# 23R.0016

# MEMO

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E V.

NOV 1 5 1999

From:
Subject:

To:

Reduction of sites at University of Pittsburgh

Date:

July 27, 1999

This is in reference to the sites for University of Pittsburgh, 23-R-0016. I am deleting 9 sites bringing the University down to four-sites.

Site # 001 merges the following sites:

#001 - Lab Animal Resources

#004 - Forbes quad

#005 - Crawford/ Langley Halls

#006 - Western Psych

#007 - Hill Building

#013 - Lhormer Building

#015 - Bio Science Tower

#016 - Montefiore

#020 - Biotech/ Bioengineering

Site #008 Merges the following sites:

#009 - Primate Research Facility

#010 - Primate Rearing Facility

Address: 709 New Texas Rd.

Holiday Park, Pa 15239

Site# 18 remains - RIDC Park

Address: Environmental and Occupational Health

RIDC Park
260 Kappa Dr.
Page 15238

Blawnox, Pa 15238

Site #022 remains - Walter Whippo Farm Enon Valley, Pa 16120

This consolidation leaves four sites active these are #001, #008, #018 and #022.

1. REGISTRATION NO. 23-R-0017

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Franklin & Marshall College

P.O. Box 3003

3500 Terrace Street Lancaster, PA 17604-3003

Status: Active

NOV 2 9 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional ... sheets if necessary.) **FACILITY LOCATIONS (Sites)** See Attached Biology Department

Psychology	/ Department				
REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	' (Altach adiditional sheets il ne	cessary or use APHIS FORM 7023A)	
A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or fests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates		29			29
10. Sheep					
11. Pigs					
12. Other Farm Animals			·		
13. Other Animals					
Ferrets		· ,2			2
ASSURANCE STATEMENTS					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO 18

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Gode, Wyeth-Ayerst Pharmaceuticals, Inc

P.O. Box 8299

Philadelphia, PA 19101 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites)

Chazy, NY

Princeton, NJ

Pearl River,

Radnor,

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquitizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	260	380	45	57	482
5. Cats	/ _	19	-		19
6. Guinea Pigs	10	20	26	_	46
7. Hamsters	_	-	_	<u>-</u>	· <u>-</u>
8. Rabbits	51	274	575	25	874
9. Non-human Primates	348	478	14	15	507
10. Sheep	-	_	-	_	-
11. Pigs	5	6	-		6
12. Other Farm Animals	_	-	<u>-</u>	<u>-</u>	<u>-</u>
13. Other Animals					

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility DEU 0 1 1999
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Annual Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

23 R0018

# 1999 EXPLANATION OF PROCEDURES FOR CATEGORY E 23-R-0018

Fifty-seven dogs were used in oral and intravenous toxicity tests to determine the safety of new pharmaceutical entities. Studies were designed to evaluate the toxicity of administered doses of test compounds. Use of anesthetics, analgesics or tranquilizers would have complicated interpretation of study findings and may have masked potential significant toxicities.

Fifteen primates were used in oral toxicity tests to determine the safety of new pharmaceutical entities. Studies were designed to evaluate the toxicity of administered doses of test compounds. Use of anesthetics, analgesics or tranquilizers would have complicated interpretation of study findings and may have masked potential significant toxicities.

Twenty-five rabbits were used in oral or intravenous toxicity tests to determine the safety of new pharmaceutical entities. Studies were designed to evaluate the toxicity of administered doses of test compounds. Use of anesthetics, analgesics or tranquilizers would have complicated interpretation of study findings and may have masked potential significant toxicities.

135GFiles

1. REGISTRATION NO. 23R002

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
The Pennsylvania State University

nietktekkxX95x 304 Old Main

*PRYMRXPRINTERPREK* University Park, PA 16802

Status: Active

DEC 0 1 1899

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

306

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

See Attached

Office of the Vice President for Research, Animal Resource Program, University Park, PA

College of Medicine, The Milton S. Hershey Medical Center, Hershey, PA

REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	' (Attach adiditional sheets if ned		
A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (COIs. C + D + E)
4. Dogs	0	1	15	0	16
5. Cats	, 31	221	57	0	278
6. Guinea Pigs	0	44	100	0	144
7. Hamsters	0	6	0	0	6
8. Rabbits	4	143	776	0	919
9. Non-human Primates	0	0	57	0	57
10. Sheep	0	0	4	0	4
11. Pigs	15	64	108	0	172
Chickens 12. Other Farm Animals	0	301	9	0	310
Goats	0	1	0	0	1
Calves 13. Other Animals	0	38	85	0	123
White-tail Deer	146	0	38	0	38
Woodchucks	0	0	12	0	12
Frogs	0	0	48	0	48
ASSURANCE STATEMENTS					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the this latently is adhering to the stationards and regulations and required that exceptions to the stationards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

1. REGISTRATION NO. 23-R-0021 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

FORM APPROVED OMB NO. 0579-0036

# CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

include Zip Code) The Pennsylvania State University

304 Old Main University Park, PA 16802

EPORT OF ANIMALS USED BY C	OR UNDER CONTROL OF	C Number of	D. Number of animals upon	E. Number of animals upon which teaching.	F
Animals Covered By The Animal Welfare Regulations	B Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS (Cols. C + D + E)
(List by species)		8	0	0	8
Bats	0			0	273
Vhite-footed Mice	0	273	0	0	3
Eastern Chipmunks	0	3	0	0	2
Southern Flying Squirrels	0	2	0		2
Short-tailed Shrews	0	2	0	0	3
Gray Squirrels	0	3	0	0	- 3
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### ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analysesic, and tranquilizing drugs, prior to, during and following actual research, leaching, lesting, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In principal to the EACUC and animal care and use of the summary includes a business of the summary includes a business. addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, us well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects as

animal care and use	SACUETY OFFICIAL	
C	ERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)  [Chief Executive Officer or Legally Responsible Institutional Official)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL	OFFICIAL NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
		11/21/11

(TYPE OR PRINT)

1. REGISTRATION NO. 24 23 ROUZ

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Carnegie Mellon University ANNUAL REPORT OF RESEARCH FACILITY

5000 Forbes Ave.

418 Service Drive Pittsburgh, PA 15213

DEC 0 1 1999

Status: Active

\* 3/b 3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

Mellon Institute, Room 391

4400 Fifth Avenue

Pittsburgh, PA 15213

A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (COIS. C + D + E)
4. Dogs		·			
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					·
13. Other Animals					
- Rats	60	30			90
- Mice	50	-0-			50

### **ASSURANCE STATEMENTS**

(AUG 91)

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
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  addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143).

DATE SIGNED

11/29/99

(OCT 88), which is obsolete)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

# 1. REGISTRATION NO. 23-R-0024

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Carnegie Mellon University

5000 Forbes Ave. 418 Service Drive

Pittsburgh, PA 15213 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

### FACILITY LOCATIONS (Sites)

CNBC Primate Physiology Lab

4400 Fifth Avenue

Mellon Institute, Rooms 119 & 125

Pittsburgh, PA 15213

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthelic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL:  (Cols. C + D + E)
4. Dogs		·		A32.130.00	
5. Cats	, , , , , , , , , , , , , , , , , , , ,				
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
Rhesus 9. Non-human Primates	16	2			18
10. Sheep		,			
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
		*			

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143).

DATE SIGNED

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

11/29/99

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

# 1. REGISTRATION NO. 24 33R.0024

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Carnegie Mellon University

Carnegie Mellon University 5000 Forbes Ave. 418 Service Drive Pittsburgh, PA 15213

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, lesting, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

### FACILITY LOCATIONS (Sites)

Pittsburgh NMR Center

4400 Fifth Avenue

Mellon Institute, Rooms 142A-E

Pittsburgh, PA 15213

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F. TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs				·	
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits				<u> </u>	
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
-Rats	46	950		·	996
-Mice	2400	1140			3540

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

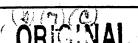
Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

11/29/99



(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION MO25
33R0025

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Philadelphia College/Osteopathic M

4170 City Avenue 418 Service Drive Philadelphia, PA 19131

Status: Active

NOV 29 1999

325

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.) Number of animals upon which teaching, B. Number of C Number of D. Number of animals upon experiments, research, surgery or tests were animals being animals upon which experiments, conducted involving accompanying pain or distress which leaching, **Animals Covered** bred. teaching, research, to the animals and for which the use of appropriate conditioned, or research, TOTAL NO. By The Animal surgery, or tests were conducted involving anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS held for use in experiments, or Wellare Regulations have adversely affected the procedures, results, or teaching, testing, tests were accompanying pain or interpretation of the teaching, research, experiments, conducted distress to the animals (Cols. C + D + E) experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these research, or involving no and for which appropriate surgery but not pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. Đ 4. Dogs Cats Guinea Pigs Hamsters ଚ Rabbits 9. Non-human Primates D Sheep 6 11. Pigs 12. Other Farm Animals 13. Other Animals

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

(Chief Executive Offi	EADQUARTES RESEARCH FACILITY OFFICIAL cer or Legally Responsible Institutional Official) ove is true, correct, and complete (7 USC Section 2143)	
SIGNATU	PCOM  (C) (A) (7) (C)	DATE SIGNED

APHIS FORM 7023 (AUG 91)

**ASSURANCE STATEMENTS** 

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )

this report is required by law (7-050-2143). I also be report according to the regulations can result in an order to crase and dwast and to be subject to parallus as provided for in Sect or 21st Son reverse unde for artifeteresal interematican H y weignighted billion DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OF PRINT)

1. REGISTRATION NO 25 3R0025 FORM APPROVED OMB NO 0570-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as ingistered with USDA. metholo An Chalal Philadelphia Colloge/Osteopathic H

> 4170 City Avenue 418 Service Drive Philadelphia, PA 19131 Status: Active

1. REPORTING FACILITY (test all locations where animals were based or used to actual research, testing, tracking, or experimentation, or held	i for Doma purpostu	Kilminiaha daritA
chesis il necessory )		

FACILITY LOGATIONS (Sites)

Seo-Attached MEPORT OF ANIMALS USED BY UR UNDER CONTROL OF RESEARCH FACILITY JAHRACK milethring shorts it chausedry or use APPEN FORM (623A) Number of anima's upon which feaching. C Number of O Norman of annuals mem experiments remarch, tengery or tests were gornols upon conducted avolving accompanying pain or distinss amounts borne wիլզի սարուսունում, ⊌hick Inaching touching, received conducted mentional hend in the animals and he which the use of appropriate Anno, do Coverno IOTAL NO companied of research anostheric analysisc or transpolizing drugs would have adversely affected the procedures results, or By The Annual Welfure Bugu allows OF ANIMALS asperaments or held for uso in teaching, Insling tunta mino accompanying pain in interpretation of the transmitty, measures experiments, surprey or tests. (An asphanetical conducted (Cals C + angereenenth . distress to the ammals menanth or surgery but not medering no pain chalcess be and for which appropriate the procedures producing pain or distress in those unitethetic analysist, or anumate and the massing seen drigts were not used dance well know tay use of panetranquitzing drugs work must be attached to this report) purposes. reterring drugs Ð Dogs Cats D Guinga Pigs Hamsters 8 8 Rabbits Non-human Primates 10. Shoop 11. Pigs 12. Other Farm Animals 13. Other Animals

### ASSURANCE STATEMENTS

- Probasionally acampiable standards governing the care (realized and see of annuals, including approvate use of anoshubs, analysis; and trimiquismic charge prior to during and following actual resourch, (naching, firsting, surgery, or exportmonistation were followed by this rusearch (activity
- 2). Faciliprincipal investigator has considered alternatives to paid in procedures
- 3) This facility is addressing to the standards and organizations under the Act, and it his respond that exceptions to the standards and regionations be specified and explained by the principal investigator and approved by the histories along and Use Connotine (BACGC). A summary of all such exceptions is affected to this annual report. In addition to identifying the (ACQC-approved exceptions) has automate undides a brief explanation of the exceptions, as well as the opening and number of annuals affected.
- 4) The artiseding vincingarian for this research facility has appropriate authority to mission the provision of adequate volument volument for everyone the interprets of other aspects of montal rare and use

Chief Executive Offi	EADQUARTES RESEARCH FACILITY OFFICIAL icer or Legally Responsible Institutional Official) overs true correct and complete (2000) Section 2000.	
SICNA	PCOM CG (6), CD (7) (C)	DATE SIGNED

1. REGISTRATION NO. 23-R-0026

FORM APPROVED OMB NO 0579-0036

NOV 2 9 1999 ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Lebow Bld. basement 31ST & Market STS

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include ZIp Code)

DREXEL UNIVERSITY.
CALHOUN ANIMAL FACILITY
LEBON BLD. BASEMENT

3157 & MARKET ST.

PHILA . PA . 19104

32

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Atlach admillional shed)s if nocassary of use APHS FORM 7023A.) B. Number of Number of animals upon which teaching, Number of Number of unimals upon F. experiments, research, surgery or tests were animals being nogu zismine which experiments, Animals Covered By The Animal conducted involving accompanying pain or distress to the animals and for which the use of appropriate bred. which leaching, leaching, research. conditioned, or research, TOTAL NO. surgery, or losts were Welfare Regulations held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would conducted involving OF ANIMALS have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of leaching, lesting. lesis were accompanying pain or experiments, conducted distress to the ammals research, or involving no and for which appropriate (Cols. C + D + E) surgery but not yet used for such pain, distress, or the procedures producing pain or distress in those anesthetic, analgesic, or animals and the reasons such drugs were not used use of paintranquilizing drugs were pui poses must be attached to this report). talieving drugstar ュ 4. Dogs 5. Cats Guinea Pigs Hamsters Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the circ, treatment, and use of animals, including apprortate use of anestholic, analgesic, and tranquishing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered atternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Firefully that the above is true, correct, and complete (7 U.S.C. Section 2143) NAL OFFICIAL NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) DATE SIGNED APHIS FORM 7023 (Replaces VS FORM 18-23 (OCT 88), which is obsolete) (AUG 91)

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See reverse side for additional information.

Interagency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

See Attached

1. REGISTRATION NO. 23R002

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code)
Temple University

**Broad & Montgomery Streets** 

418 Service Drive

NOV 2 9 1999 Philadelphia, PA 19122

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

Site#2: 9th Floor, Medical Research Building

Site#3: Basement, Kresge Building

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL  (Cols. C D + E)
4. Dogs	-	_	17	<del>-</del>	17
5. Cats	-	-	56	<del>-</del>	56
6. Guinea Pigs	_	229	156	<u> </u>	385
7. Hamsters	_	-	_	<u>-</u>	-
8. Rabbits	_	8	47	_	55
9. Non-human Primates	_	_	-	_	
10. Sheep	_	_	38	_	38
11. Pigs		-	53		53
12. Other Farm Animals	_	-			_
13. Other Animals	_	_	-	_	_

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO 30

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Cookaton, Inc. 145 Brandywine Parkway

West Chester, PA 19380

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

145 Brandywine Parkway West Chester, PA 19380

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	F.  TOTAL NO OF ANIMALS  (COIS. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
Gerbils			196		196

### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the This admitty is agreeing to the standards and regularitors and a required in a exceptions to the standards and regularitors and explained by the principal investigator and approved by the Institutional Annual Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of annuals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143). SIGN

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

ANNUAL REPORT OF RESEARCH FACILITY

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

NOV 0 2 1999

1. REGISTRATION NO.32

3370032

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Albert Einstein Healthcare Network

Korman Research Pavilion 5501 Old York Road Philadelphia, PA 19141-3098

Status: Active

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) Korman Research Pavilion, Central Animal Facility

FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OF A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, research, experiments, research, or surgery but not yet used for such purposes.  C. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or fests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)	
4. Dogs	0	0	0	0	0
5. Cats	, 0	0	2	0	2
6. Guinea Pigs	_	_			
7. Hamsters	_	_	_		
8. Rabbits	0	_	230	0	230
9. Non-human Primates	-	-		-	
10. Sheep	-	<del>.</del>	_		
11. Pigs	0	0	63		63
12. Other Farm Animals	_	-		<u> </u>	
13. Other Animals	-	-	-	-	-

### ASSURANCE STATEMENTS

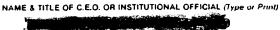
- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

(b)(c), (b)(7)(c)

SIGNATURE OF C.E.O. OR INSTITUTIO

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Ligarity that the above is true, correct, and complete (7 U.S.C. Section 2143)



10/20/19

APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolete )

(b)(b)(b)(7)(

1. REGISTRATION NO033 23R 002

FORM APPROVED OMB NO. 0579-0036

Contraction and address and

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Engledren's Hospital of Philadelphi

34th & Civic Center Blvd.

Philadelphia, PA 19104 Status: Active

5501 Old York Road

NOV 2.9 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

337		

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

Headquarters Research Facility

A	B. Number of	C Number of	(Attach adiditional sheets if ne	E. Number of animals upon which teaching,	F.
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in teaching, festing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	TOTAL NO. OF ANIMALS  (COIS. C + D + E)
4. Dogs	0	0	3	0	3
5. Cats	0	0	9	0	9
6. Guinea Pigs	0	0	28	0	28
7. Hamsters	0	0	0	0	0
8. Rabbits	0	83	357	0	450
9. Non-human Primates	0	0	0	0	0
10. Sheeρ	0	5	81	0	86
11. Pigs	0	164	230	00	394
12. Other Farm Animals	0			0	
13. Other Animals	0			0	

### Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL





DATE SIGNED

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

338

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.34

23R0034

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zin Code)
EFIC Tulleners, D.V.M.

432 Bartram Road

5501 Old York Road

Kennett Square, PA 19348

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual rese	arch, testing, teaching, or experimentation, or held for these purposes. Attach additional
sheets if necessary.)	NOV 2 2 1999
	NU 1 / C 1000

FACILITY LOCATIONS (Siles)

FACILITY LOCATIONS (Siles)

EY:

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or fests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	$\circ$	0	0
5. Cats	0	<u>O</u>	0	<b>O</b>	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0	6	0
8. Rabbits	$\Diamond$	0	0	0	0
9. Non-human Primates	$\Diamond$	٥	$\Diamond$	Q	0
10. Sheep	0	0	0	$\mathcal{O}$	0
11. Piqs	0	Ø	0	$\bigcirc$	0
12. Other Farm Animals	0	$\bigcirc$	$\bigcirc$	Ö	0
13. Other Animals	0	$\Diamond$	0	0	0
		. ,			

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL.

(Chief Executive Officer or Legally Responsible Institutional Official)

-I certify that the above is true, correct, and complete (7 USC Section 2143)

SIGNATURE OF CEO. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF CEO. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

NATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL NAME & TI

H/12(99

additional information

interespency deposit Control No 0180-3C-2-31

UMITED STATES DEPARTMEN ANIMAL AND PLANT HEALTH

AGRICULTURE ECTION SERVICE 1. REGISTRAZION PO037

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as royistered with USDA. include Zia Codel & Haas Company

Independence Hall W. 5501 Old York Road Philadelphia, PA 19105 Status: Active

### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, leaching, or experimentation, or held for these purposes. Attach additional sheers it necessary)

FACILITY LOCATIONS (Siles)

Toxicology Department

Sec Attached

B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or traits were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, leaching, research, surgery, or fests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accumpanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
. 0	0	0	0	0
, N/A	NA	NA	NA	NA
0	341	0	0	341
NA	NA	NA	NA	NA
0	242	0 .	2 <sup>A</sup>	244
NA	NA	NA	NA .	NA
NA	NA	NA	NA .	NA
NA	NA	NA	NA .	NA
NA	NA	NA ·	NA	NA
NA	NA	NA -	NA	NA
	animals being bred. conditioned, or held for use in feaching, lesting, experiments, research, or surgery but not yet used for such purposes.  O  N/A  O  NA  O  NA  NA  NA  NA  NA  NA	animals being bred, conditioned, or held for use in teaching, testing, experiments, or surgery but not yet used for such purposes.  O O D N/A NA  O 341  NA NA  NA	animals being bred. Conditioned, or held for use in teaching, testing. Experiments.	animals being bred, conditioned, or held for use in teaching, research, or surgery but not yet used for such purposes.  O O O O O O O O O O O N/A NA

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including apprortate use of anesthetic, analgesic; and franquitizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to pointul procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of ammal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, dorrect, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

### FOOTNOTE KEY

(A) Two (2) rabbits used in skin irritation studies necessary for product safety assessment experienced severe skin irritation during the conduct of testing. A measured amount of test material was placed on the shaved skin of the rabbit to determine the effect the materials would have on the integrity of the skin. In these instances, the materials were severely irritating to the skin. In the investigator's judgment these animals may have experienced pain after dosing and were reported as such on the 1999 annual report. The Study Director did not administer any analgesics prior to testing because it was not obvious that the material would cause the severity of irritation seen during the test. Use of the analgesics after the administration of the test material could potentially inhibit or enhance the presence of any toxicological signs and would have required additional animals to act as control groups for the analgesics. Finally use of analgesics may have an adverse effect on the acceptability of the data to world wide regulatory bodies for which these studies are conducted.

In each case the animals experiencing pain and suffering were euthanized as soon as the study protocols and testing guidelines allowed.

Our test methods for this study are consistent with the following:

US EPA OPPTS: Series 870.2500: Acute Dermal Irritation OECD Guideline 404
Japan 59 NohSan No. 4200, Primary Dermal Irritation Study ECC Directive 92/69/EEC B.4.

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

### 1. REGISTRATION NO 39 23R00

FORM APPROVED OMB NO 0579-0030

2. HEADQUARTERS RESEARCH FACILITY (Name and Albress as register of millustra) include Zip Code inin Pharmaceuticals Ind 5110 Campus Drive

dela

- OSSOL Old York Road Plymouth Meeting, PA 19462 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

See Attached Dept. of Pharmacology

A Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	$\varphi$				Ø
5. Cats	$\varphi$				Ø
6. Guinea Pigs	Ø				Ø
7. Hamslers	Ø				Ø
8. Rabbits	Ø				0
9. Non-human Primates	$\phi$				Ø
10. Sheep	Ø				Ø
11. Pigs	Ø				Ø
12. Other Farm Animals	Ø				Ø
13. Other Animals	Ø				Ø

### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

10/25/919

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.41 3R004

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code College of Pennsylvania

Dept. of Biological Sciences

5501 Old York Read York, PA 17405 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** See Attached CIENCES ANNEX Building REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM 7023A) E. Number of animals upon which teaching, B. Number of C Number of D. Number of animals upon experiments, research, surgery or tests were animals being animals upon which experiments, conducted involving accompanying pain or distress **Animals Covered** bred, which leaching, teaching, research. to the animals and for which the use of appropriate conditioned, or research, TOTAL NO. By The Animal surgery, or lesis were anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS Welfare Regulations held for use in experiments, or conducted involving have adversely affected the procedures, results, or teaching, testing, tests were accompanying pain or interpretation of the teaching, research, experiments, conducted distress to the animals experiments, surgery, or tests. (An explanation of (Cols. C + D + E) research, or involving no and for which appropriate the procedures producing pain or distress in these surgery but not pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. used Dogs Cats Guinea Pigs Hamsters Rabbits 8. Non-human Primates Sheep Pigs Other Farm Animals 13. Other Animals ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of anunal care and use

	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
	(Chief Executive Officer or Legally Responsible Institutional Official)
(A)(B)(A)(A)(A)(B)	Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

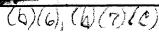
NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

V 7023

s VS FORM 18-23 (OCT 88), which is obsolete )



See reverse side for additional information.

.. 0 1.... SLT Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.43

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip (Code) Manor Junior College

Veterinary Techonology Program 700 Fox Chase Road Jenkintown, PA 19046 Status: Active

<b>ANNUAL</b>	REPORT	OF	RESE	ARCH	FACILITY
	(TYP)	E OI	R PRIN	T)	

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** See Attached

1. Academic Building

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.  B. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.		D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (COIS. C + D + E)
4. Dogs				A Company of the Comp	
5. Cats					
6. Guinea Pigs		6			6
7. Hamsters					
8. Rabbits		6			6
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
horses		2			2
13. Other Animals					

### 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and franquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility.

- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

annia care and use			
CB)(6) (b)(7)(c)	(Chief Executive Officer or	QUARTES RESEARCH FACILITY OFFICIAL r Legally Responsible Institutional ()fficial) rue, correct, and complete (7 USC Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTION	AL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
as between		(b)(6), (b)(7)(c)	9/16/99

(AUG 91)

APHIS FORM 7023 (Re Les VS FORM 18-23 (OCT 88), which is obsolete )

## 1. REGISTRATION NO046 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Code)
Bucknell University Dept. of Biology/Psychology

700 Fox Chase Road

Lewisburg, PA 17837 Status: Active

NOV 2 9 1999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) FACILITY LOCATIONS (Siles) See Attached REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.) D. Number of animals upon E. Number of animals upon which teaching, B. Number of C Number of F.

Animals Covered By The Animal Wellare Regulations	animals being bred, conditioned, or held for use in leaching, festing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats	,				•
6. Guinea Pigs			. 🗸		
7. Hamsters					•.
8. Rabbits		14 Lemers			
9. Non-human Primates			as baboons		31
10. Sheep		6 Squirre	l monkeys		
11. Pigs					
12. Other Farm Animals					
13. Other Animals				14 Gray squirrels-explanatio	n 14
		;		included in attached prot	ocoi

### **ASSURANCE STATEMENTS**

#341

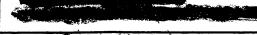
- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approvale use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the this admity is admitting to the standards and explanation and the standards and regulations of specified and explanation of the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use.

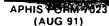
CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

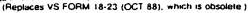
Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED









23R0046

Annual Report of Research Facility

Reg. No. 23-R-046

November 1999

Explanation of exemption for animals reported in Column E on APHIS Form 7023

The principal investigators responsible for the 1999-2000 protocol entitled "Seasonal Adjustment of Metabolism and Behavior in Lemurs, Squirrel Monkeys, and Eastern Gray Squirrels" requested, and the Committee granted, an exemption from the normal procedures for the provision of gray squirrels with food. The Committee was satisfied that the deprivation resembles that commonly experienced by gray squirrels in the wild. In addition, it is substantially less severe than periods of food deprivation that have been well tolerated by squirrels in past research. Finally, the Committee was satisfied that the principal investigators will monitor body weight, behavior and other indices of general health, and will truncate the deprivation if any of these observations suggest that subjects are approaching their limits of tolerance.

23R0046

Annual Report of Research Facility

Reg. No. 23-R-046

November 1999

Explanation of exemption for animals reported in Column E on APHIS Form 7023

The principal investigators responsible for the 1999-2000 protocol entitled "Thermoregulation and Torpor in Gray Squirrels" requested, and the Committee granted, an exemption from the normal procedures for the provision of their subjects with food. The Committee was satisfied that the deprivation proposed overlaps that commonly experienced by gray squirrels in the wild. Furthermore, the principal investigators have included in their experimental procedures several safeguards that will reduce or eliminate the possibility of extreme deprivation, in that they will (a) restrict weight loss to a level known to be sustainable from prior studies, (b) allow at least 12 weeks between periods of deprivation, and (c) extend the period of deprivation gradually (within stated limits) over the course of the project. In addition, they (d) will collect daily observations of behavior and body temperature, (e) measure body weight before and after periods of deprivation, and (f) are prepared to truncate the deprivation if any of these observations suggest that subjects are approaching their limits of tolerance.

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRAZION 19849 23R004

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) westmoreland Testing and Research,

P.O. Box 291
700 Fox Chase Road
Scottdale, PA 15683
Status: Active

600

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adultional sheets if necessary or use APHIS FORM 7023A.) E. Number of animals upon which teaching. Number of C Number of D. Number of animals upon experiments, research, surgery or tests were animals being animals upon which experiments. conducted involving accompanying pain or distress bred. which leaching, **Animals Covered** teaching, research. to the animals and for which the use of appropriate TOTAL NO conditioned, or research, surgery, or tests were conducted involving By The Animal anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS held for use in experiments, or Welfare Regulations have adversely affected the procedures, results, or teaching, testing. tests were accompanying pain or interpretation of the teaching, research, experiments, conducted distress to the animals experiments, surgery, or tests. (An explanation of (Cols. C + D + E) involving no research, or and for which appropriate the procedures producing pain or distress in these animals and the reasons such drugs were not used surgery but not pain, distress, or anesthetic, analgesic, or yet used for such use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. used 0 Dogs Cats Guinea Pigs Hamsters Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals

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4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

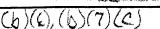
CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

IGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED



ASSURANCE STATEMENTS

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRAJION NO SZ 23R0052

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) fornia University of PA

250 California Avenue 700 Fox Chase Road California, PA 15419 Status: Active

348

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Frich Biological Building

See Attached

A. Animals Covered By The Animal Welfare Regulations	animals being animals upon which experim teaching, reserventheld for use in teaching, testing, experiments, or testing, testing, experiments, or testing, testing, experiments, or testing, testing, experiments, or testing, testin		D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	0	0	0	0	0
5. Cats	. 0	0	0	0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	0	0	0
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	. 0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals					
White Rats	0	24	0	0	24
Gerbils	0	20	0	0	20

### ASSURANCE STATEMENTS

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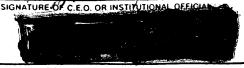
CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

10-1-99



(Replaces VS FORM 18-23 (OCT 88), which is obsolete )

(b)(c)(b)(7)(e)

ADS CreeKSIDE Wirt

See Attached

1. REGISTRATION NO. 23-R-0053 23-R-0053

FORM APPROVED OMB NO. 0579-0036

HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
 DAD s Products Company, Inc.

P.O. Box 451-D

700 Fox Chase Road Meadville, PA 16335 Status: Active

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.) Number of animals upon which teaching, Number of C Number of D. Number of animals upon animals being experiments, research, surgery or tests were animals upon which experiments, conducted involving accompanying pain or distress bred. which leaching, Animals Covered teaching, research, to the animals and for which the use of appropriate conditioned, or TOTAL NO. research. By The Animal surgery, or tests were anesthetic, analgesic, or tranquilizing drugs would experiments, or Wellare Regulations held for use in OF ANIMALS conducted involving have adversely affected the procedures, results, or interpretation of the teaching, research, teaching, testing lesis were accompanying pain or experiments, conducted distress to the animals experiments, surgery, or tests. (An explanation of (Cols. C + D + E) research, or involving no and for which appropriate surgery but not the procedures producing pain or distress in these pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs used. Dogs Cats Guinea Pigs Hamsters Rabbits Non-human Primates 10. Sheep 11. Pigs Other Farm Animals Other Animals

### ASSURANCE STATEMENTS

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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

9/16/99

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )

(b)(b), (b)(n)(c)



# 1. REGISTRATION 19055

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

include Zip Gode)
Wistar Institute, The
3601 Spruce Street

Philadelphia, PA 19104-4268 DCT 25 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

240

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these 'purposes: "Attach-additional." sheets if necessary.)

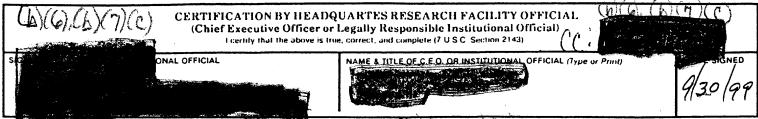
FACILITY LOCATIONS (Sites)

The Wistar Institute

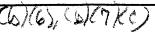
A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	0	0 .	0
5. Cats	. 0	0	0	0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	0	70	0	0	70
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	. 0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals	0	0	0	0	0

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and franquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.



(Replaces VS FORM 18-23 (OCT 88), which is obsolete )



626

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Code)
Pittsburgh Zoo One Hill Road 700 Fox Chase Road

NOV 1 9 1999

Status: Active

Pittsburgh, PA 15206

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)

ONLY

HEADQUARTER SITE

A. Animals Covered By The Animal Welfare Regulations	animals being animals upon which experiments, beaching, research, surgery, or tests were		E Number of animals upon which teaching, experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)	
4. Dogs	2	0	O	0	0
5. Cats	, O	0	0	6	0
6. Guinea Pigs	2	O	. 0	6	0
7. Hamslers	Ø	0	0	0	Ò
8. Rabbits	5	0	0	0	0
9. Non-human Primates	59	14	Ð	0	14
10. Sheep	3	0	O	0	0
11. Pigs	O	0	0	0	0
12. Other Farm Animals					_
GOATS	6	Ö	0	0	0
13. Other Animals					_
African elephant	0	5	0	0	5
-see altached					_
sheets for others-	408	0	0	O	0

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of ainmal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL CHARLES AND A COMPANY NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.58

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Institute for Cancer Research

Fox Chase Cancer Center 7701 Burholme Ave. Philadelphia, PA 19111 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** See Attached

A. Animals Covered By The Animal Wellare Regulations	animals being animals upon bred, which leaching, conditioned, or research,		D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	-0-	-0-	-0-	-0-	-0-
5. Cats	-0-	-0-	-0-	-0-	-0-
6. Guinea Pigs	-0-	-0-	-0-	-0-	-0-
7. Hamsters	-0-	-0-	-0-	-0-	-0-
8. Rabbits	-0-	40	-0-	-0-	40
9. Non-human Primates	-0-	-0-	-0-	-0-	-0-
10. Sheep	-0-	-0-	-0-	-0-	-0-
11. Pigs	-0-	-0-	-0-	-0-	-0-
12. Other Farm Animals					
13. Other Animals					
woodchucks	-0-	-0-	30	-0-	30

### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected

The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use. CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official) Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

10/6/99

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.59 23

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code) i Research, A Division

9 Great Valley Parkway 7701 Bucholme Ave.

Malvern, PA 19355 Status: Active

**NOT A FOIA DELETION** 

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

See Attached

Building 25, Great Valley Parkway

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, or surgery but not yet used for such purposes.  C. Number of animals upon which teaching, research, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.		D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits		176			176
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
		•			

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the rms facility is agriering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Ficertify that the above is true, correct, and complete (7 U.S.C. Section 2143) LITUTIONAL OFFICIAL (Type or Print)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )

See reverse side for additional information.

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA.

5 1500 Interagency Report Control No

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 23-R-0062 23Rox

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Code) Nycomed Amersham 466 Devon Park Drive

P.O. Box 6630 Wayne, PA 19087-8630

Status: Active (Until 24 August

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles) See Attached Wayne, PA

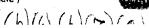
A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, or surgery but not yet used for such purposes.  C. Number of animals upon which leaching, research, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.		D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	40	38	0	78
5. Cats	,			·	
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	0	37	0	0	37
9. Non-human Primates					
10. Sheep					
11. Pigs	0	0 -	8	0	88
12. Other Farm Animals					
13. Other Animals		:			
<u> </u>			<u> </u>		<u> </u>

### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the this admitting to the standards and regulations ander the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

(Chief Executive Off	IEADQUARTES RESEARCH FACILITY OFFICIAL.  Ticer or Legally Responsible Institutional Official)  sove is true, correct, and complete (7 USC Section 2143)
SIGNATURE OF C.E.O.	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)  DATESICAL  13 of 97  13.04, 1999
APHIS FORM 7023 (Replaces V M 18-23 (OCT 88).	which is obsolete )

APHIS FORM 7023 (AUG 91)



See Attached

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.66 23ROCO

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Brug Research Laboratories, Inc.

P.O. Box 394 526 Brodhead Avenue #238 Buckingham, PA 18912 Status: Active

ANNUAL	REPORT	OF	RESEA	RCH	<b>FACIL</b>	ITY
	(TYPE	E OF	R PRINT	Γ)		

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

			-	• . •		
REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	(Attach ach	litional sheets if ne	cessary or use APHIS FORM 7023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or fests were conducted involving no pain, distress, or use of pain-relieving drugs.	which e leachin surgery conduc accomp distress and for anesthe	of animals upon xperiments, g, research, or tests were ted involving anying pain or to the animals which appropriate tic, analgesic, or tizing drugs were	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	5		0	5
5. Cats	0	O	0 0		0	0
6. Guinea Pigs	, 0	$\mathcal{O}$		0	O	0
7. Hamsters	0	0		0	0	Ü
8. Rabbits	0	D		0	0	0
9. Non-human Primates	0	0		2	0	0
10. Sheep	0	0	(	2	0	0
11. Pigs	0	٥		)	0	0
12. Other Farm Animals			<u>)</u>	0	0	
13. Other Animals	0	0	C	)	0	0
·····		- ;				
					<u> </u>	
			-			1

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
  - 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

1 certify that the above is true, correct, and complete (7 USC Section 2143)

SIGNATURE STATUTIONAL OFFICIAL



DATE SIGNED

APHIS FORM 7023 (AUG 91)

**ASSURANCE STATEMENTS** 

(Replaces VS FORM 18-23 (OCT 88), which is obsolete-)

(b)(6),(b)(7)(c)

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150.

50.23 Receivers de tor

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

#159

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Gode)
Johnson Technical Institute

3427 N. Main Avenue

1526 Brodhead Avenue #2389

Scranton, PA 18508-1495

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

See Attached FACILITY LOCATIONS (Siles)

At above Address.

A. Animals Covered By The Animal Wellare Regulations	Animal conditioned, or		D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	2				2
5. Cats	0				0
6. Guinea Pigs	12				12
7. Hamsters	0				0
8. Rabbits	6		. a ====		6
9. Non-human Primates	0		101	- 0 1000	0
10. Sheep	0		אחוא ב	9 /. 1333 -	0
11. Pigs	0		BY:		0
12. Other Farm Animals	0				0
13. Other Animals					
Mice	24 .	:			24
Rats	12				12

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, feaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to pointul procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

(C) Executive Officer of	QUARTES RESEARCH FACILITY OFFICIAL or Legally Responsible Institutional Official) True, correct, and complete (7 USC Section 2143)	
SIGN A CON INSTITUTION CIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
	16 Va (6 (7)(e)	11/19/99

APHIS FORM 7023 (APEDIACES VS FORM, 18-23 (OCT 88), which is obsolete )

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NOO68

FORM APPROVED OMB NO. 0579-0036

33 R 0062 2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code) Saint Vincent College

300 Fraser Purchase Rd.

Delete this line -526 Brodhead Avenue #23B

Latrobe, PA 15650-2690

Status: Active

6.

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, lesting, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

Life Science Research Lab

Saint Vincent	College						
REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	(Attach actio	filional sheets if ne			
A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate		ex to an ha int ex thi	imber of animals upon which feaching, periments, research, surgery or lests were nducted involving accompanying pain or distress the animals and for which the use of appropriate esthetic, analgesic, or tranquilizing drugs would ve adversely affected the procedures, results, or terpretation of the feaching, research, periments, surgery, or tests. (An explanation of a procedures producing pain or distress in these imals and the reasons such drugs were not used ust be attached to this report).	F.  TOTAL NO OF ANIMALS  (COIS. C + D + E)
4. Dogs							
5. Cats							
6. Guinea Pigs					-		
7. Hamslers						V	
8. Rabbits			· · · · · · · · · · · · · · · · · · ·	*			
9. Non-human Primates				<u> </u>			
10. Sheep							
11. Pigs		-	<del>}</del>	<u> </u>		, and the same of	
12. Other Farm Animals		\				<u></u>	
13. Other Animals							
		•					
ASSURANCE STATEMENTS	See atta	ached					<u> </u>

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures.

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

NATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

9/27/99

1. REGISTRATION NO. 23R0069

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA)

include Zip Code) Pennsylvania College of Podiatric Eighth & Race Streets

526 Brodhead Avenue #23B Philadelphia, PA 19107 Status: Cancelled

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

Lower Level, Room 021 (animal colony)at the Temple University School of Podiatric Medicine 6661 T 0 330

	B. Number of			cessary or use APHIS FORM 7023A)  E. Number of animals upon which feaching,	T -
A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMAL: (Cols. C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	0	0	0
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	.0	0 -
13. Other Animals	0	0	0	0	0
	•				

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/2/99

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

Interagency Report Control 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA,

include Zip Code)
Median School of Allied Health Car

125 Seventh Street

Cedar Crest & 1-78 PO Box 689

Pittsburgh, PA 15222 Status: Active

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additiona	J
sheets if necessary )	
	_
FACILITY LOCATIONS (CHARL)	

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM 7023A) B. Number of C Number of E. Number of animals upon which teaching D. Number of animals upon experiments, research, surgery or tests were animals being animals upon which experiments. conducted involving accompanying pain or distress bred. which leaching, **Animals Covered** leaching, research, to the animals and for which the use of appropriate conditioned, or research, TOTAL NO. By The Animal surgery, or tests were anesthetic, analgesic, or tranquilizing drugs would held for use in experiments, or OF ANIMALS Welfare Regulations conducted involving have adversely affected the procedures, results, or teaching, testing, tests were accompanying pain or experiments, interpretation of the leaching, research, conducted distress to the animals experiments, surgery, or tests. (An explanation of (Cols. C + D + E) research, or involving no and for which appropriate the procedures producing pain or distress in these surgery but not pain, distress, or anesthetic, analgesic, or yet used for such use of painanimals and the reasons such drugs were not used tranquilizing drugs were must be attached to this report). purposes. relieving drugs. used. 10 O O Dogs 0 Cats Guinea Pigs Hamsters Rabbits Non-human Primates Sheep Pigs 12. Other Farm Animals 13. Other Animals ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
11 11 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(Chief Executive Officer or Legally Responsible Institutional Official)
(b)(b)(b)(c)	Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)
4 161 ( b) (7/(C)	r certify that the active is true, correct, and complete (7 U.S.C. Sistion 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.Q. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

See reverse side for additional information.

Interagency Report Control No G180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO78 23R00

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Harcum College

Veterinary Services Building 750 Montgomery Avenue Bryn Mawr, PA 19010-3476

Status: Active

ANNUAL REPORT	JE RESEARCH FACILITY
(TYPE	OR PRINT)

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary) **FACILITY LOCATIONS (Siles)** See Attached

REPORT OF ANIMALS USED BY	OR UNDER CONTROL OF	F RESEARCH FACILITY	(Attach adiditional sheets if ne	cessury or use APHIS FORM 7023A.)	
Animals Covered By The Animal Weltare Regulations	B Nuniber of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	6	0	0	6
5. Cats	.0	8	0	0	В
6. Guinea Pigs	o	16	0	0	16
7. Harnsters	0	14	σ	б	14
8. Rabbits	0	0	4	0	4
9. Non-human Primates	_	-		0	
10. Sheep	_	_	~		_
11. Pigs	1. ~	_			_
12. Other Farm Animals	<del>-</del>				-
13. Other Animals		-		0	-
Gerbils	0	35	0	0	35
Fish	0	1	0	٥	1
ASSURANCE STATEMENTS					
D. Contract of			·		

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, feaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143) E.O. OR INSTITUTIONAL OFFICIAL (Type (Repoces VS FORM 18 23 (OCT 88), which is obsolete)

(AUG 91)

Interagency Repor 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) Monell Chemical Senses Center

3500 Market Street XXXXXXXXXXXX

Philadelphia, PA 19104-3308

Status: Active

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

sheets if necessary.) FACILITY LOCATIONS (Siles) <del>XXXXXXXX</del> FOURTH FLOOR N/A N/ A

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

N/A	A UNIOER CONTROL OF	DECEADOU EACH ID	N/A	rcessary or use APHIS FORM 7023A.)	·
A.  Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	N/A	N/A	N/A	N/A	N/A
5. Cats	· N/A	N/A	N/A	N/A	N/A
6. Guinea Pigs	O	12	. 0	0	12
7. Hamsters	N/A	N/A	N/A	N/A	N/A
8. Rabbits	N/A	N/A	N/A	N/A	N/A
9. Non-human Primates	N/A	N/A	N/A	N/A	N/A
10. Sheep	N/A	N/A	N/A	N/A	N/A
11. Pigs	N/A	N/A	N/A	N/A	N/A
12. Other Farm Animals	N/A	N/A	N/A	N/A	N/A
				10000000000000000000000000000000000000	
13. Other Animals				1009	
MEADOW VOLES	0	18	0	NON 5. 50 1333	18
POCKET GOPHERS	3	0	. 0	6 Y	0
PRAIRIE VOLES	0	133	0	BY:0	133
ASSURANCE STATEMENTS					

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

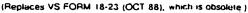
OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/17/97







ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO. 23R008

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Cocalico Biologicals, Inc.

449 Stevens Road

P.O. Box 265 Reamstown, PA 17567 Status: Active

360

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

7517

11EC 0 1 1999

WHITESELL RADCLIFFE FARM

DENVER, PA

GRAYBILL'S FARM

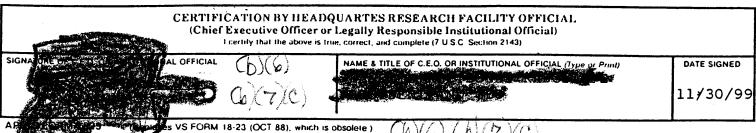
See Attached

STEVENS, PA 17578

Α.	B. Number of	C Number of		cessary or use APHIS FORM 7023A.)  E. Number of animals upon which teaching.	
Animals Covered By The Animal Weltare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	-0-	-0-	-0-	-0-	-0-
5. Cats	-0-	-0-	-0-	-0-	-0-
6. Guinea Pigs	19	117	-0-	-0-	117
7. Hamsters	10	-0-	-0-	-0-	-0-
8. Rabbits	200	6,238	7	-0-	6,245
9. Non-human Primates	-0-	-0-	-0-	-0-	-0-
10. Sheep	7	-0-	-0-	-0-	-0-
11. Pigs	-0-	-0	-0-	-0-	-0-
HORSES 12. Other Farm Animals	3	4	2	-0-	6
GOATS	16	96	-0-	-0-	96
13. Other Animals N/A	N/A	N/A	N/A	N/A	N/A
			=		

# **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of



This report is required by law (7 USC 2143). Failure to report accurring to the regulations can result in an order to cease and desist and to be subject to penalties as provided for it. Section 2150 See reverse side for additional information

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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

I. REGISTRATION NO. 3R00 23-R-90

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

361

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA incluite Zip Code) Magee-Womens Hospital

Pittsburgh, PA 15213 EC 0 6 1999

3. REPORTING FACILITY (Ligit pill locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these, purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Magee-Womens Research Institute 204 Craft Avenue

Pittsburgh, PA 15213

REPORT OF ANIMALS USED BY O	or under control of	RESEARCH FACILITY	l (Attach adichlional sheets it no	CESSHOY OF USE APHIS FORM /023A)	
Ammais Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, festing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, tesserch, expiriments, or tests were conducted modiving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which supermishes, teacarch, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate aneatherist, analogsist, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate unesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or hosts. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	F.  TOTAL NO.  OF ANIMAL:  (Cois. C +  D + E)
4. Dogs					
5. Cats	,				
6. Guinea Pigs					
7. Hamsters					
a. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs			5		5
12. Other Farm Animals					
13. Other Animals					
Ferrets			50		50
Rats			700		700
Mice			500		500
SSURANCE STATEMENTS					<del></del>

- 1) Professionally acceptable standards governing the care, treatment, and use of immors, including appropriate use of unesthetic, analgesic, and tranquillaring drugs, prior to, during, and following actual research, leaching, testing, surgery or experimentation were inflowed by this impaired facility
- Each principal investigator has considered alternatives to punity procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Annual Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report, in addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the axispitions, as well as the species and number of animals affected
- the attended veterinarian for this research facility has unincorrate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of ununal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

Conflity that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED 11/17/99



OPM 18-23 (OCT 88), which is obsolute !

See reverse side for additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION 19991 23 ROO9 FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip CRYO'dren's Hospital of Pittsburgh

3705 Fifth Avenue P.O. Box 265

Pittsburgh, PA 15213 Status: Active

362

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

See Attached

Rangos Research Center

9th Floor Animal Facility

	B. Number of			cessary or use APHIS FORM 7023A.)  E. Number of animals upon which teaching,	F.
A. Animals Covered By The Animal Wellare Regulations	animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	N/A	N/A	7	N/A	7
5. Cats	N/A	N/A	N/A	N/A	N/A
6. Guinea Pigs	N/A	N/A	N/A	N/A	N/A
7. Hamsters	N/A	N/A	N/A	. N/A	N/A
8. Rabbits	N/A	N/A	290	N/A	290
9. Non-human Primates	N/A	N/A	N/A	N/A	N/A
10. Sheep	N/A	N/A	N/A	N/A	N/A
11. Pigs	N/A	N/A	5	N/A	5
Goats 12. Other Farm Animals	N/A	N/A	14	N/A	14
13. Other Animals					
Chinchilla	N/A	N/A	88	N/A	88
Gerbil	N/A	N/A	12	N/A	12

# ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)
(Chief Executive Officer or Legally Responsible Institutional Official)
(Chief Executive Officer or Legally Responsible Institutional Official)

A STATE OF THE STA

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

SIGNATURE OF C.E.O.



APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolete )

(b)(b), (b)(7)/e

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

# 1. REGISTRATION NOD98

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code Indiana University of Pennsylvania

305 Weyandt Hall P.O. Box 265 Indiana, PA 15705

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

See Attached

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (COIS. C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	, 0	0	0	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	0	6	0	0	6
Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
TE. Other Carry Manager	0	0	0	0	0
13. Other Animals	0	0	0	0	0
Wild Rodents	0	1,114	0	0	1,114

### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

10-20-99

See reverse side for additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NOTOD

33ROLO

BESFARCH FACILITY (Name and A

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Pennsylvania College of Optometry

8360 Old York Road P.O. Box 265

Elkins Park, PA 19027

Status: Active

354

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

See Attached

8360 Old York Road, Elkins Park, Pa 19027

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL  (Cols. C D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs			`		
7. Hamsters					
8. Rabbits			9		9
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending vetermarian for this research facility has appropriate authority to ensure the provision of adequate vetermary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

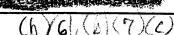
NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

Trainout in 1880

10/12/9

SIGNATURE O O OR INSTITUTIONAL OFFICIAL





ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRAZION NO 101

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) White Eagle Laboratories, Inc.

2003 Lower State Road

P.O. Box 265

Doylestown, PA 18901 Status: Active DEC 0 1 1999

355

See Attached

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)
 FACILITY LOCATIONS (Sites)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.) Number of animals upon which teaching, Number of C Number of Number of animals upon animals being experiments, research, surgery or tests were which experiments, which leaching, conducted involving accompanying pain or distress **Animals Covered** bred. teaching, research, conditioned, or to the animals and for which the use of appropriate By The Animal research. TOTAL NO. surgery, or tests were anesthetic, analgesic, or tranquilizing drugs would held for use in experiments, or Welfare Regulations conducted involving OF ANIMALS leaching, lesting, have adversely affected the procedures, results, or lesis were accompanying pain or experiments, interpretation of the teaching, research, conducted distress to the animals research, or experiments, surgery, or tests. (An explanation of involving no (Cols. C + D + E) and for which appropriate surgery but not the procedures producing pain or distress in these pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were purposes. relieving drugs. must be attached to this report). 133 Dogs Cats Guinea Pigs Hamsters Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals

# ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIA	۱1
(Chief Executive Officer or Legally Responsible Institutional Official)	

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)

DATE SIGNED

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UTITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

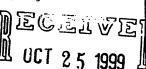
1. REGISTRATION NOTOS
23R0103

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zin Code)

include Zip Vote) 800 Lancaster Ave. P.O. Box 265 Villanova, PA 19085-1699

Status: Active



15

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes—Atlach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Biology Department, Rm. 016

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					NA
5. Cats					NA
6. Guinea Pigs	. <i>F</i>				NA
7. Hamsters					NA
8. Rabbits			·		NA
9. Non-human Primates		•			NA
10. Sheep			÷ <sub>á</sub>		NA
11. Pigs					NA
12. Other Farm Animals					NA
13. Other Animals			·		NA

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL.

(Chief Executive Officer or Legally Responsible Institutional Official)

(Chief Executive Officer or Legally Responsible Institutional Officer or Legally Responsible Institut

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolute)

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nteragemy Report Control No NA A00.0810

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1 REGISTRATION NO 107 3 RO1 a

FORM APPROVED 3MB NO 1579 10 16

2. HEADQUARTERS RESEARCH FACILITY (Name and Address as registered with I/SUA include Zip Code) Chrysalis

Scott Technology Park 100 Discovery Drive Olyphant, PA 18447

Status: Active

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheels if necessary)

FACILITY LOCATIONS (Siles)

DEC 0 1 1999

A. Animals Covered By The Animal Welfare Regulations	B Number of animals being bred. conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes	C Number of unimals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs	D Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	F TOTAL NO OF ANIMAL (Cols. C D + E)
4. Dogs		0	609	0	609
5. Cats	,	0	0	0	0
6. Guinea Pigs		1578	O	196	1774
7. Hamsters		0	0	0	0
8. Rabbits		<del>- 1528</del>	0	0	1528
9. Non-human Primates		0	0	0	0
10. Sheep		0	0 .	00	Ù
11. Pigs		Ö	14	0	14
12 Other Farm Animals		0	0	0	0
3. Other Animals					
SSURANCE STATEMENTS	<u> </u>				

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquitizing drugs, prior to during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Thertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

C.E.O. OR INSTITUTIONAL OFFICIAL



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of

DATE SIGNED NOU 29

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolute )

ChX6),(6)(7)(c)

23R0107

# Column E Explanation Form

1. Regi	istration Number: 23R0107
2. Nun	of animals used in this study.
3. Speci	ies (common name) guinea pig of animals used in this study.
4. Expl	ain the procedure producing pain and/or distress.
Th:	imals are sensitized using complete Freund's adjuvant. is results in an inflammatory response with a scab at e site of injection.
•	
relieved. relief wo	vide scientific justification why pain and/or distress could not be  State methods or means used to determine that pain and/or distress ould interfere with test results. (For Federally mandated testing, see 6 below)
may inv req	e use of Pharmaceuticals to alleviate pain or distress interfere with the compound being tested, thereby ralidating the data collected which would in turn uire repeat testing and increase the number of mals utilized.
he Code	if any, federal regulations require this procedure? Cite the agency, of Federal Regulations (CFR) title number and the specific section (e.g., APHIS, 9 CFR 113.102):
Agency_	CFR
	ification No. 698 issued by the Director-General of the rmaceutical Affairs Bureau of the Japanese Ministry of Heal

and Welfare (MHW) on May 30, 1980 entitled "Required Data for Application for Approval to Manufacture (Import) Drugs".

### PACILITY SITES LISTING

23R0107

DEU 01 1899

Licensee/Redistrant Name. Chr	ysalis Preclinical Services NA
License/Registration Number: 2	23-R-0107
sure to include all requested in	house regulated animals under the above number. Be aformation. If the line does not apply, please mark nree (3) sites copy this form as many times as needed
Site No.: Name/Department:	Chrysalis Preclinical Services - Bldg #1
Address:	100 Discovery Drive
	Olyphant, PA 18447
Building:	1
Floor/Room:	N/A
Contact Person:	N/A Phone No.: (570)586-2411
Site No.: 2 Name/Department:	Chrysalis Preclinical Services - Bldg #2
Address:	100 Discovery Drive
•	Olyphant, PA 18447
Building:	2
Floor/Room:	N/A
Contact Person:	N/A Phone No.: (3-70) 586-2411
Site No.: Name/Department:	
Address:	
Building:	
- Floor/Room:	
Contact Person:	Phone No.:

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO. 3K

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) Jackson ImmunoResearch Labs, Inc.

872 W. Baltimore Pike

P.O. Box 9

West Grove, PA 19390 Status: Cancelled

NOV 1 0 1999

· ...

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these, purposes... Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

See Attached

Jackson ImmunoResearch Labs, Inc. - Animal Unit

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs N/A	N/A	N/A	N/A	N/A	N/A
5. Cats N/A	N/A	N/A	N/A	N/A	N/A
6. Guinea Pigs N/A	N/A	N/A	N/A	N/A	N/A
7. Hamsters N/A	N/A	N/A	N/A	N/A	N/A
8. Rabbits	N/A	N/A	N/A	N/A	N/A
9. Non-human N/mates	N/A	N/A	N/A	N/A	N/A
10. Sheep N/A	N/A	N/A	N/A	N/A	N/A
11. Pigs N/A	N/A	N/A	N/A	N/A	N/A
12. Other Farm Anima A	N/A	N/A	N/A	N/A	N/A
Goats	3	53	0	0	56
13. Other Animals N/A	N/A	N/A	N/A	N/A	N/A

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

See reverse side for additional information Interagency Report Control No

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.15

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Hamot Medical Center

201 State St.

P.O. Box 9 Erie, PA 16550-0001

Status: Active

See Attached

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) **FACILITY LOCATIONS (Siles)** 

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM 7023A.) Number of animals upon which teaching, B. Number of F. C Number of D. Number of animals upon experiments, research, surgery or tests were animals being animals upon which experiments, conducted involving accompanying pain or distress which leaching, bred, Animals Covered leaching, research, to the animals and for which the use of appropriate TOTAL NO. conditioned, or By The Animal research, surgery, or lesis were held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS Welfare Regulations conducted involving have adversely affected the procedures, results, or teaching, lesting, accompanying pain or interpretation of the teaching, research, experiments, conducted distress to the animals experiments, surgery, or tests. (An explanation of (Cols. C + D + E) research, or on pnivlovni and for which appropriate the procedures producing pain or distress in these surgery but not yet used for such pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used use of paintranquilizing drugs were purposes. must be attached to this report). relievina druas. Dogs 3 3 Cats Guinea Pigs Hamsters Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals 66 66 Rattus (exempt)

# **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

10/7/99

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRAZION NO 122 22 RO122

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) include Zip Code Zip Code Zip Code) include Zip Code Zip Code

P.O. Box 170 P.O. Box 270

P.O. Box 9

Pipersville, PA 18947

Status: Active

NOV 2 9 1999

309

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

See Attached

3604 Farm School Rd, Ottsville, PA 18942

9442 Clear Ridge Rd, Everett, PA 15537

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	, 0	0	. 0	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	0	682	594	0	1276
9. Non-human Primates	0	0	0	0	0
10. Sheep	26	101	18	0	119
11. Pigs	0	0	00	0	0
12. Other Farm Animals	(Continue	d on APHI	S Form 7023A	- Attached)	
13. Other Animals	0	0	0	0	0
		· ·			

### SSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL.
(Chief Executive Officer or Legally Responsible Institutional Official)

SIGN 53. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/24/99

APHIS FORM 7825 (Replaces VS FORM 18-23 (OCT 88), which is obsolete (AUG 91)

0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 23-R-0122

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

Lampire Biological Laboratories, Inc. PO Box 270

Pipersville, PA

18947 NOV 2.9 1999

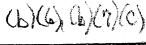
# CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Animals Covered By The Animal Wellare Regulations  12 &/OR 13 Other (List by species)	B Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	(Attach adicitional sheets if nec D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analyesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMAL:  (Cols. C + D + E)
Goats	177:	108	42	0	150
Horses	5	0	0	0	0
Donkeys	0	13	0	0	13
Cows	28	0	0	0	0
			·		
				·	
	,		·		
	+				
		·			

## ASSURANCE STATEMENTS

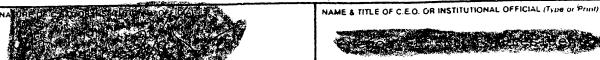
- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analysis, and tranquilizing drugs, prior to, during and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
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# CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

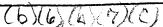
Learnly that the above is true, correct, and complete (7 U.S.C. Section 2143)



DATE SIGNED

11/24/99

APHIS FORM 7023A (AUG 91)



PART 1 HEADQUARTERS

USDA APHIS AC

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additional Information

P.01/05

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

(TYPE OR PRINT)

result in an order to chase and itosist and to be subject to penalties as provided for in Section 2150.

1. REGISTRATION NO. 23-R-124 23ROIZ

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USOA. include Zip Code) 1987 Wilson Gilege

930 Mate Compare Police 1015 Philadelphia te. Chambersburg PA

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, lesting; feaching, or experimentation, or held for these purposes. Attach additional sheets if necessory.)

FACILITY LOCATIONS (Siles)

NOT A FOLA DELETION

Beach Veterinary Medical Center

Animals Covered By The Animal Wellare Regulations	8. Number of animals being bred	C Number of animals upon which leaching, researed, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of pinnals upon which experiments, 19aching, research, surgery, or tests were conducted involving accompanying pain or distress to the pinnals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate unesthetic, analysisic or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this reports.	F.  TOTAL NO OF ANIMALS  (Cois. C + D + E)
4. Dogs	O	0	69	0	68
5. Cats	0	0	28	Ø	28
5. Guinca Pigs	0	1	0	0	1
7. Hamsters	0	2	0	0	2
8. Rabbits	0	0	0	0	0
9. Non-human Primates	0	0	$\mathcal{O}$	0	0
10. Sheep	0	22	O	D	22
11. Pias	0	15	0	0	15
Offithe 12. Other Farm Animals	0	4	0	C	4
13. Other Animals	0	C	0	0	0

### ASSURANCE STATEMENTS

- Professionally assistable standards governing the cure, treatment, and use of animals, including approvise use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this insearch facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Core and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals attached.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

William Con-Wilson College

11/30/99

(Replaces VS FORM 18-23 (OCT 88), which is absolute )

P02

NOV-30-1999 16:05 This report is required by IAW (7 USD \$143). Failure to report is required to capes and itself and to be subject to penalties as provided for in Section 2150.

P.01/05

UNITED STAYES DEPARTMENT OF AGRICULTURE AMIMAL AND PLANT HEALTH INSPECTION SERVICE nortempolal lenorribbe

919 716 5696

ANNUAL REPORT OF RESEARCH FACILITY TYPE OR PRINT)

I. REGISTRATION NO. 23-R-124 33R0124 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

FORM APPROVED QMB NQ. 0579-0036

include &ip Count

Wilsonlellege Chambersburg PA

370

3. REPORTING PACILITY (List 411 locations where purposes. Attach additional snouls if necessory )

FACILITY LOGATIONS (SILVE)

NOT A FOIA DELETION

Beach Veterinary Medical Center

VMT Large Animal Barn

REPORT OF AMIMALE USED THE		والمستقلات والمستوالية الم	<del>,</del>	CAESOT MROS SINGS OF UT OF DRILLING	<del></del>
Animals Covered By The Animal Wellere Regulations	humber of neumals being bred, conditioned, or held for use in reaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of primofs upon which leaching, respectively, or tests were conducted invalving no pain, distress, or use of pain-relieving drugs.	D. Number of primate upon which experiments teaching, research, surgery, or lests were conducted involving occumpanying poin or distress to the animals and for which uppropriate sheet-helic, analysist, or tranquilizing drugs were used.	Number of parmots upon which teaching, experiments, research, surgery or tests water conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analogsic, or tranquilizing drugs would have adversely effected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedurex producing pain or distress in these animals and the research such drugs were not used must be effected to this report.)	F.  TOTAL NO OF ANIMALS  (COIS. C + D + E)
4 Dons	9	0	68	0	48
5. Cats	0	0	28	0	28
8. Guinca Pigs	0		0	Q	ı
7. Harnslers	0	2	0	0	2
8. Rabbits	0	0	0	0	0
9. Non-human Primates	0	0	${\cal O}$	O	0
10. Sheep	0	22	O	Q	22
11. Pias	0	15	Q	0	15
CATTLE 12. Other Farm Animals	0	4	0	0	4
13. Other Animals	0	C	0	0	0
ASSURANCE STATEMENTS	<u> </u>				

- Professionally acceptable arandards governing the care, treatment, and use of animals including approvate use of anesthetic, unalgesic, and tranquillating drugs, prior to, during, and following actual resourch, teaching testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to pointal procedures.
- a) This fundity is adhering to the standards and regulations under the Act, 4nd it has required that exceptions to the standards and regulations as specified and naplamed by the principal investigator as a approved by the institutional Animal Core and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to Identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals allected.
- 4). The attending vetermanan for this research facility has appropriate authority to ensure the provision of artisquate vetermory care and to oversee the adultoby of other aspects of wouted the and use.

# CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Rosponshilo Institutional Official)

I certify that the above is true, correct, and complete if U.S.C. Section 21431

OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)

DATE SIGNED

11/30/99

(Replaces VS FORM 18-23 (OCT 88), which is obsolute )

Wilson College

1. REGISTRATION NO 126

RD 1 - Box 131

P.O. Box 9

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) it Ridge Biosystems, Inc.

> Susquehanna, PA 18847 Status: Active

NOV 29 1999

3. REF	OR	TING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attain	sch additional
		Inecessary.)	

FACILITY LOCATIONS (Siles) See Attached REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach admittional sheets if necessary or use APHIS FORM 7023A) E. Number of animals upon which teaching, F. C Number of D. Number of animals upon experiments, research, surgery or tests were animals being animals upon which experiments, conducted involving accompanying pain or distress to the animals and for which the use of appropriate which leaching. bred. **Animals Covered** teaching, research, conditioned, or TOTAL NO research. By The Animal surgery, or lests were anesthetic, analgesic, or tranquilizing drugs would held for use in experiments, or OF ANIMALS Welfare Regulations conducted involving have adversely affected the procedures, results, or interpretation of the teaching, research, teaching, testing, tests were accompanying pain or experiments, conducted distress to the animals experiments, surgery, or tests. (An explanation of (Cols. C + D + E) research, or involving no and for which appropriate the procedures producing pain or distress in these animals and the reasons such drugs were not used surgery but not pain, distress, or anesthetic, analgesic, or yet used for such use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. Dogs Cats Guinea Pigs Hamsters Rabbits 9. Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals

# **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

23R0107

# Column E Explanation Form

1. Registration Number: 23R0107
2. Number 196 of animals used in this study.
3. Species (common name) guinea pig of animals used in this study.
4. Explain the procedure producing pain and/or distress.
Animals are sensitized using complete Freund's adjuvant. This results in an inflammatory response with a scab at the site of injection.
5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see question 6 below)
The use of Pharmaceuticals to alleviate pain or distress may interfere with the compound being tested, thereby invalidating the data collected which would in turn require repeat testing and increase the number of animals utilized.
6. What, if any, federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):
AgencyCFR
Notification No. 698 issued by the Director-General of the Pharmaceutical Affairs Bureau of the Japanese Ministry of Health and Welfare (MHW) on May 30, 1980 entitled "Required Data for Application for Approval to Manufacture (Import) Drugs.

### FACILITY SITES LISTING

23R0107

DEU 01 1899

	ysalis Preclinical Services NA
License/Registration Number: 2	23-R-0107
sure to include all requested in	house regulated animals under the above number. Baformation. If the line does not apply, please mar aree (3) sites copy this form as many times as neede
Site No.: Name/Department:	Chrysalis Preclinical Services - Bldg #1
Address:	100 Discovery Drive
	Olyphant, PA 18447
Building:	
Floor/Room:	N/A
Contact Person:	N/A Phone No.: (570)586-2411
Site No.: 2 Name/Department:	Chrysalis Preclinical Services - Bldg #2
Address:	100 Discovery Drive
	Olyphant, PA 18447
Building:	2
Floor/Room:	N/A
Contact Person:	N/A Phone No.: (5-70) 586-2411
Site No.: Name/Department:	
Address:	
Building:	
<b>u</b>	-
•	Phone No.:

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

# 1. REGISTRATION NO. 3K

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Jackson ImmunoResearch Labs, Inc.

872 W. Baltimore Pike P.O. Box 9

West Grove, PA 19390 Status: Cancelled

NOV 1 0 1999

. . .

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

See Attached

Jackson ImmunoResearch Labs, Inc. - Animal Unit

REPORT OF ANIMALS USED BY OF A.  Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
N/A	purposes.	relieving drugs.	used. N/A	N/A	N/A
4. Dogs N/A 5. Cats N/A	N/A N/A	N/A	N/A	N/A	N/A
6. Guinea Pigs N/A	N/A	N/A	N/A	N/A	N/A
7. Hamsters N/A	N/A	N/A	N/A	N/A	N/A
8. Rabbits	N/A	N/A	N/A	N/A	N/A
9. Non-human Nates	N/A	N/A	N/A	N/A	N/A
10. Sheep N/A	N/A	N/A	N/A	N/A	N/A
11. Pigs N/A	N/A	N/A	N/A	N/A	N/A
12. Other Farm Animal /A	N/A	N/A	N/A	N/A	N/A
Goats	3	53	0	0	56
13. Other Animals N/A	N/A	N/A	N/A	N/A	N/A

## ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the rms racinty is adhering to the standards and regulations didner the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Learnity that the above is true, correct, and complete (7 U.S.C. Section 2143)



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (Replaces VS FORM 18-23 (OCT 88), which is obsolete)



See reverse side for additional information

NOV 15 ISSS Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION IN 15

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

include Zip Code) Hamot Medical Center

201 State St. P.O. Box 9

Erie, PA 16550-0001

Status: Active

359

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

See Attached

FACILITY LOCATIONS (Sites)

REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	(Altach adiditional sheets if ne	cessary or use APHIS FORM 7023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or fests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats	,		3		. 3
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals		`			
Rattus (exempt)			66		66

# ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This locality is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL.
(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

10/7/99

ANNUAL REPORT OF RESEARCH FACILITY

1. REGISTRATION NO122 つ

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Lampire Biological Laboratories

P.O. Box 270 P.O. Box 170

P.O. Box 9

Pipersville, PA 18947

Status: Active

NOV 2 9 1999

(TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

See Attached

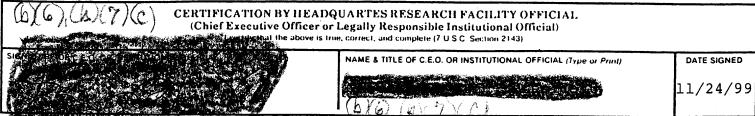
FACILITY LOCATIONS (Sites)

3604 Farm School Rd, Ottsville, PA 18942

9442 Clear Ridge Rd, Everett, PA 1553

A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	00	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	0	682	594	0	1276
9. Non-human Primates	0	0	0	0	0
10. Sheep	26	101	18	0	119
11. Pigs	0	0	0	0	0
12. Other Farm Animals	(Continue	d on APHI	S Form 7023A	- Attached)	
13. Other Animals	0	0	0	0	0
		* .			

- Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use



(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

23-R-012223ROI23 1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Lampire Biological Laboratories, Inc. PO Box 270

Pipersville, PA

18947 NOV 2.9 1999

# CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Animals Covered By The Animal Welfare Regulations	B Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain, relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
(List by species)	177	108	42	0	150
Goats			0	0	0
Horses	5	0		0	13
Donkeys	0	13	0		0
Cows	28	0	0	0	+
					<del> </del>
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		1			

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during and following actual research, leaching, lesting, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

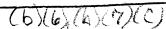
Exertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

11/24/99

APHIS FORM 7023A (AUG 91)



USDA APHIS AC

P.01/05

additional Information

919 716 5696

UNITED STATES DEPARTMENT OF AGRICULTURE AHIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

1. REGISTRATION NO. 23-R-124 23ROI2

FORM APPROVED OMB NO. 0579-0038

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USOA include Zip Code)

Wilson lileae 220 Male Gampar Balo 1015 Philadelphio te.

DEC 0 6 1999 Salto 300, First 3010

Chambersburg PA

(TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where arimals were housed or used in actual research, lesting, reaching, or experimentation, or held for these purposes. Attach additional sheets if necessory.)

FACILITY LOCATIONS (Siles)

NOT A FOLA DELETION

VMT Large Animo	ul barn		the state of the s	mesury or use APHIS FORM 7023A)	
REPORT OF ANIMALS USED BY OF A  Animals Covered By The Animal Welfare Regulations	8. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Nymber of animals upon which teaching, research, experiments, of lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of primats upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate presidents, analysis, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. D	0	0	<i>ن</i>	0	168
4. Dogs 5. Cats	o	0	28	0	28
Cats     Guinea Pigs	0	1	0	0	<u> </u>
	O	2	0	0	2
	0	0	0	0	0
Rabbits     Non-human Primates	0	0	O	0	0
	0	22	Q	ව	22
10. Sheep	0	15	C	0	15
11. Pios CATTLE 12. Other Farm Animals	0	4	0	0	1 4
13. Other Animals	0	C	0	0	0

# ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anesthetic, analysis, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- Each principal investigator has considered alternatives to painful procedures.

INSTITUTIONAL OFFICIAL

- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending velerinarian for this research facility has appropriate authority to ensure the provision of adaquate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

t certify that the above is true, correct, and cumplete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print) ATTENDED.

DATE SIGNED

11/3c/99

Wilson College

(Replaces VS FORM 18-23 (OCT 88), which is obsolute )

370

P02 P.01/05

This report is required by law (7 CMC \$145) Failure to report adducting to in Section 2150 result in the tirder to choose and stability and to be subject to penalties as provided for in Section 2150

additional Information

UNITED STAYES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE . REGISTRATION NO 23-R-124 23R0124 FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY TYPE OR PRINT)

2. HEADQUARTERS RESCARCH FACILITY (Nome and Address, as registered with USQA Empered Wilson Wilson Wilson Wilson Include ZIP Count

220 Matin Company to 1015 Philadelphio Ne. Sales California (1984) Cale California (1984) California (19

Chanbersburg PA

Periody in the contract of

2. REPORTING FACILITY (List &il locations where purposes. Attach additional angula il necessary l

FAGILITY LOCATIONS (SILVE)

NOT A FOIA DELETION

Beach Veterinary Medical Center

Animals Covered  By The Animal  Wellere Regulations	Interpretable of such purposes.  Interpretable of such purposes.  Interpretable of such purposes.  Interpretable of such purposes.	C Number of surmers upon which tracking, resporch, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of printing upon which experimental teaching, research, surgery, or lests white conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, unalgosic, or tranquilizing drops were used.	E. Number of use APME FORM 7073A)  E. Number of parimols upon which teaching.  Experiments, insertch, surgery or tests were  conducted invulving accompanying pain or distress to the parimals and for which the use of uppropriate presthetic, analogesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, receirch, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these parimols and the reasons such drugs were not used must be prached to this reports.	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
	Ø	0	48	0	48
4 Dons	0	O	28	0	28
5. Culs	0	1	0	Q	1
6. Guinca Pigs	0	2	0	0	2
7. Harnsters	0	0	0	0	0
Rabbits     Non-human Primates	0	0	O	0	0
	0	22	P	Ø.	22
10. Shoop	0	15	Q	0	15
11. Pigs CATTLE 12. Other Farm Animals	0	4	0	0	4
13. Other Animals	0	0	0	0	0

# ASSURANCE STATEMENTS

- 1) Profess maily occeptable standards governing the sare, treatment, and use of animals, including approvate use of anesthetic, unalgesic, and tranquillating drugs, prior to, during, and following actual resourch, teaching, testing, surgery, or experimentation were followed by this testarch lacility
- Each principal investigator has considered alternatives to pointel procedures.
- 4) This limiting is adjusting to the standards and regulations under the Act, and it has required that receptions to the standards and regulations as specified and explained by the participation of the standards and tendence of this samual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief exception of the exceptions, as well as the species and number of airmab affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other expects of minimi ture and use.

# CERTIFICATION BY HEADQUARTES RESEARCH PACILITY OFFICIAL (Chief Executive Officer or Legally Rosponsible Institutional Official)

1 certify that the above is true, correct, and complete (7 U.S.C. Section 2140)

DATE SIGNED

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)

Wilson College

11/30/99

(Replaces VS FORM 18-23 (OCT (8), which is obsolute )

additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRAYON 19126 23 RO126

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) it Ridge Biosystems, Inc.

RD 1 - Box 131

P.O. Box 9

Susquehanna, PA 18847 Status: Active NOV 29 1999

37

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** See Attached REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A) B. Number of Number of animals upon which teaching, E. D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments, **Animals Covered** bred, which leaching. conducted involving accompanying pain or distress teaching, research, surgery, or tests were By The Animal conditioned, or research. to the animals and for which the use of appropriate TOTAL NO held for use in Wellare Regulations experiments, or anesthetic, analgesic, or tranquilizing drugs would conducted involving OF ANIMALS have adversely affected the procedures, results, or teaching, testing, lests were accompanying pain or experiments. conducted interpretation of the teaching, research, distress to the animals research, or experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these on pnivlovni (Cols. C + D + E) and for which appropriate surgery but not pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of pain-Iranquilizing drugs were purposes. relieving drugs. must be attached to this report). Dogs Cats Guinea Pigs Hamsters 8. Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals

# ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

Cb/C6/Ch/(7/2)

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION 18126

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) it Ridge Biosystems, Inc.

RD 1 - Box 131

P.O. Box 9

Susquehanna, PA 18847

Status: Active

_	-
	4000
	7444
	1999

		FAC	ILITY LOCA	TIONS (Siles)		
See Attached						
			. <u>. ,,</u>			
		DESEABOH FACILITY	(Attach ad	dilional sheets if ne	cessary or use APHIS FORM 7023A)  E. Number of animals upon which teaching.	
REPORT OF ANIMALS USED BY OF  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number which leaching surger condu-accomdistres and lo anesti	er of aminals upon experiments, ng. research, y, or tests were cied involving pain or is to the animals or which appropriate netic, analgesic, or drugs drugs were	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, appropriate surgery or tests. (An explanation of	F.  TOTAL OF ANI (Cols. D +
		1761		129	0	1,89C
4. Dogs		237		3	0	240
Cats     Guinea Pigs						<del> </del>
7. Hamsters			ļ			<del>                                     </del>
8. Rabbits		<u> </u>	-			<del>                                     </del>
9. Non-human Primates			-			<del>                                     </del>
10. Sheep						
11. Pigs						
12. Other Farm Animals	<del> </del>	-	+			
			1			
13. Other Animals			1			ļ.,
					·	-

# ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, du and following actual research, teaching, lesting, surgery, or experimentation were followed by this research facility
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspect animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

APHIS FORM 7023 (AUG 91)

(nepiaces VS FORM 18-23 (OCT 88), which is obsolete)

(TYPE OR PRINT)

1. REGISTRATION NO 128

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address; as registered with USDA. include Zip Code Delmont Laboratories, Indill Lin Columbia

715 Harvard Avenue P.O. Box 269

ANNUAL REPORT OF RESEARCH FACILITY Swarthmore, PA 19081-0269 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

Seexatizactura!

715 Harvard Avenue

PA 19081 Swart hmore

	e under control of		'(Attach adulitional sheets if ne	cessury or use APHIS FORM 7023A.)	
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, avoignments, surgery or tests. Mar avolanation of the second control of the secon	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	N/A	N/A	n/A	N/A	
5. Cats	11 11 11	11	11		
6. Guinea Pigs	" "	11	11	"	
7. Hamsters	11	11	"	"	
8. Rabbits	"	11	11	u	
Non-human Primates	11	11	11	"	
10. Sheep	"	11	11	"	
11. Pigs	11	11	11	н	
12. Other Farm Animals	11	"	.,	11	
13. Other Animals					
Mice	56				56

# ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during. and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)



**APHIS FORM 7023** 

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(AUG 91)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO 133

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) University of Scranton

800 Linden Street

Scranton, PA 18510 Status: Active

14 NOV 0 8 1999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these "purposes." Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Loyola Hall Animal Facilities

University of Scranton

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred. Conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.  C. Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain, distress, or relieving drugs.		D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilitzing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	TOTAL NO OF ANIMALS  (COIS. C + D + E)	
4. Dogs					0	
5. Cats	ı				0	
6. Guinea Pigs					0	
7. Hamsters	1	0	9	0	9	
8. Rabbits					0	
Non-human Primates					0	
10. Sheep					0	
11. Pigs					0	
12. Other Farm Animals					0	
13. Other Animals						
Discolored Common Fruit Bats	0	24	· 0	0	24	

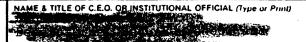
- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL





DATE SIGNED

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO 134

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code land Inc.

P.O. Box 316

P.O. Box 269

Gilbertsville, PA 19525

Status: Active

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	2	0	2
5. Cats	0	0	0	0	0
6. Guinea Pigs	10	0	0	o ··	0
7. Hamsters	c	0	0	0	0
8. Rabbits	57	518	114	0	632
9. Non-human Primates	0	0	0	0	0
10. Sheep	7	5	0	0	5
11. Pigs	0	0	0	0	0
12. Other Farm Animals	-	-	_	-	-
Donkey	0	4	0	0	0
13. Other Animals		-	_		
Goats	21	.25	0	0	25

# ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
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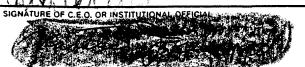
CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

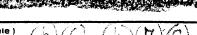
I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

10-14-99





ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

# 1. REGISTRATION NOT 35

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Delaware Valley College of Sci. &

700 E. Butler Ave. P.O. Box 269

Doylestown, PA 18901 Status: Active 正CE / 25 1999

376

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, leaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

FACILITY LOCATIONS (Siles)

Ground level of Allman Building

Address as in item #2

Ground level of Mandell Building

Address as in item #2

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	F.  TOTAL NO OF ANIMAL:  (Cols. C + D + E)
4. Dogs	6	6	0	0	6
5. Cats		•			
6. Guinea Pigs	28	28	0	0	28
7. Hamsters	106	106	0	0	106
8. Rabbits	56	56	0	0	56
9. Non-human Primates					
10. Sheep				:	
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
Gerbils	112	112	0	0	112

## ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of unimal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

Delaware Valley College

21 Oct 99

APHIS FORM 7023 (AUG 91) eplaces VS FORM 18-23 (OCT 88), which is obsolute )

(b)(b), (b)(7)(c)

\*52.

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

(TYPE OR PRINT)

1. REGISTRATION NO. 23-R-137 23 RO137

FORM APPROVED OMB NO 0579-0036

Centocor, Inc. ANNUAL REPORT OF RESEARCH FACILITY

200 Great Valley Parkway Malvern, PA 19355

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adultional sheets if necessary or use APHIS FORM 7023A.) Number of animals upon which leaching. B. Number of D. Number of animals upon C. Number of experiments, research, surgery or tests were animals being animals upon which experiments, conducted involving accompanying pain or distress which leaching. bred. teaching, research, surgery, or tests were to the animals and for which the use of appropriate **Animals Covered** TOTAL NO conditioned, or By The Animal research. anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS held for use in experiments, or Welfare Regulations conducted involving have adversely allected the procedures, results, or interpretation of the teaching, research. teaching, testing, lesis were accompanying pain or distress to the animals experiments, conducted experiments, surgery, or tests. (An explanation of (Cols. C + D + E) research, or involving no and for which appropriate the procedures producing pain or distress in these surgery but not pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used yel used for such use of paintranquilizing drugs were must be attached to this report). purposes relieving drugs used Dogs Cats Guinea Pigs Hamsters Rabbits 8. Non-human Primates 10. Sheep 11. Pigs Other Farm Animals 13. Other Animals

## ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
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- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)





See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRAJION NO 139 23RO139

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) Western PA Hospital Foundation, Th

4818 Liberty Avenue P.O. Box 269

Pittsburgh, PA 15224

Status: Active

See Attached

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

**FACILITY LOCATIONS (Sites)** 

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets it necessary or use APHIS FORM 7023A.) B. Number of Number of animals upon which teaching C Number of D. Number of animals upon F. experiments, research, surgery or lests were animals being animals upon which experiments. conducted involving accompanying pain or distress bred. **Animals Covered** which leaching, teaching, research. conditioned, or to the animals and for which the use of appropriate TOTAL NO. research, By The Animal surgery, or lests were anesthetic, analgesic, or tranquilizing drugs would Welfare Regulations held for use in experiments, or OF ANIMALS conducted involving have adversely affected the procedures, results, or teaching, testing, tests were accompanying pain or experiments, interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of conducted distress to the animals (Cols. C + D + E) research, or involving no and for which appropriate the procedures producing pain or distress in these surgery but not pain, distress, or anesthetic, analgesic, or yet used for such use of painanimals and the reasons such drugs were not used tranquilizing drugs were must be attached to this report). purposes. relieving drugs. used. Dogs Cats Guinea Pigs Hamsters Rabbits Non-human Primates Sheep 13 11. Pigs 12. Other Farm Animals 13. Other Animals Mice SCID Mice 120

# ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and franquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

AND THE PARTY OF T The Western Pennsylvania Hospital Foundation

10/5/99

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )

(b)(6), (b)(7)(c)

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See Attached

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO 146

" 23R0146

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Gode) shire Corporation

2025 Ridge Road P.O. Box 269 Perkasie, PA 18944 Status: Active

# ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

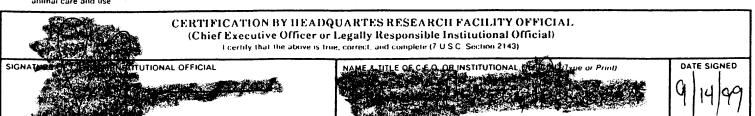
3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Atlach additional sheets if necessary or use APHIS FORM 7023A.) Number of animals upon which teaching, B. Number of C Number of D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments, conducted involving accompanying pain or distress bred which teaching, **Animals Covered** leaching, research, surgery, or lests were to the animals and for which the use of appropriate conditioned, or By The Animal research. TOTAL NO held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS Wellare Regulations conducted involving have adversely affected the procedures, results, or teaching, testing, lesis were accompanying pain or interpretation of the teaching, research, experiments, conducted experiments, surgery, or tests. (An explanation of research, or (Cols. C + involving no and for which appropriate the procedures producing pain or distress in these surgery but not pain, distress, or D + Eanesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs Dogs 0 0 Cats 0 Guinea Pigs 0 0 0 Hamsters 8. Rabbits n Non-human Primates 10. Sheep 0 11. Piqs 12. Other Farm Animals 0 0 0 Other Animals

# ASSURANCE STATEMENTS

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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use



APHIS FORM 7023 (Replaces VS FORM 18-23 (OCT 88), which is obsolete )

(b)(c), (b)(r)(c)

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additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 148 23R0148

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Mercyhurst College

Department of Biology P.O. Box 269

Erie, PA 16546 Status: Active

144	圳	434
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See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM 7023A.) E Number of animals upon which teaching. B. Number of C Number of D. Number of animals upon experiments, research, surgery or tests were animals being animals upon which experiments, conducted involving accompanying pain or distress **Animals Covered** bred. which leaching, leaching, research, to the animals and for which the use of appropriate conditioned, or TOTAL NO. research. By The Animal surgery, or tests were anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS held for use in experiments, or Welfare Regulations conducted involving have adversely affected the procedures, results, or teaching, testing. lesis were accompanying pain or interpretation of the teaching, research, experiments, conducted distress to the animals experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these (Cols. C + D + E) research, or involving no and for which appropriate surgery but not pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. used. Dogs Cats 6. Guinea Pigs 30 30 Hamsters Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 16 16 Rats 13. Other Animals

#### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

# 1. REGISTRATION NO 151 23 ROIS

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

include Zip Godel Wilkes University Wilkes University

P.O. Box 269 Wilkes-Barre, PA 18766

Status: Active

1688

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

FACILITY LOCATIONS (Siles)

See Attached

3rd floor, Stark Learning Center

room 311 and 316

Wilkes University, Wilkes-Barre, PA 18766

REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	' (Altach adiditional sheets if ne	cessary or use APHIS FORM 7023A)	
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits		· · · · · · · · · · · · · · · · · · ·			
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
		÷			

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

DATE SIGNED

GeF14, 1999

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )

16/(6),(6)(7)(c

1. REGISTRATION NO. 23-R-0151 23R015 FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

# CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Wilkes University Stark Learning Center Wilkes-Barre, PA 18766

REPORT OF ANIMALS USED BY OF	UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if neo	cessary or use this form )	
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analyesic, or	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used.	TOTAL NO OF ANIMALS (Cols. C + D + E)
12 &/OR 13 Other (List by species)	yet used for such purposes.	use of pain- relieving drugs.	tranquilizing drugs were used.	must be attached to this report)	10
ferrets	10				10
	,				
				-	
		-			
ASSURANCE STATEMENTS	<u> </u>				

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of aniesthetic, analysesic, and tranquilizing drugs, prior to, during and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Exertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023A (AUG 91)

1. REGISTRATION NO. 23R0153

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Codel Lehigh Carbon Community College

4525 Education Park Drive P.O. Box 269

Schecksville, PA 18078 Status: Active

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

1. Votech Barn 2. LCCC Daycan Facility

			(Altach adiditional sheets if ne	cessary or use APHIS FORM 7023A)	
A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which leaching, experiments, research, surgery or lests were conducted involving accumpanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	43	6	0	49
5. Cats	0	36	20	0	56
6. Guinea Pigs	0	14	0	0	14
7. Hamsters	1	8	<i>D</i>	0	8
8. Rabbits	0	10	0	0	10
9. Non-human Primates	0	0	0	$\mathcal{O}$	0
10. Sheep	0	5	0	0	5
11. Pigs	0	0	0	0	0
12. Other Farm Animals			_		
horses	0	2	0	0	2
13. Other Animals					
COWS	0	2	0	0	2
90ats	0	6	0	0	6
J			,		
ASSURANCE STATEMENTS					

- Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
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4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee animal care and use

> CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional ()fficial)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolute )

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 21:00

See reverse side to additional information. \_ 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 23-R-0153 FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

Lehigh Carbon Comm College 4525 Educ. Park Drive Schnickstille PA 18078

# CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

			1 0 0 1 1 1	and the form !	
REPORT OF ANIMALS USED BY C	R UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if noc	E. Number of animals upon which leaching.	
Animals Covered By The Animal Welfare Regulations  12 &/OR 13 Other (Ust by species)	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgestic, or tranquitzing drugs were used.	experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or lests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
	2	8	0	0	10
gerbils	a	0			
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### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Tigerfuly that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

See Attached

1. REGISTRATION NO.154

23R015

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA unclude Zip Code) Allegheny-Singer Research Institut

320 E North Avenue

P.O. Box 269 Pittsburgh, PA 15212

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach admittional sheets if necessary or use APHIS FORM 7023A) E. Number of animals upon which teaching, B. Number of C Number of Number of animals upon experiments, research, surgery or tests were animals being animals upor which experiments, conducted involving accompanying pain or distress Animals Covered bred. which leaching. teaching, research, surgery, or tests were to the animals and for which the use of appropriate conditioned, or TOTAL NO By The Animal research. anesthetic, analgesic, or tranquilizing drugs would held for use in experiments, or OF ANIMALS Wellare Regulations conducted involving have adversely affected the procedures, results, or teaching, testing, lests were accompanying pain or experiments. interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of conducted These numbers distress to the animals research, or (Cols. C + D + E) involving no and for which appropriate the procedures producing pain or distress in these cover 07/01/99 surgery but not pain, distress, or anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were 09/30/99. must be attached to this report). purposes. relieving drugs used 2 6 Dogs 2 Cass Guinea Pigs 7. Hamsters 10 10 Rabbits 8 Non-human Primates 10. Sheep 14 14 11. Pigs 12. Other Farm Animals 13. Other Animals Ferret 1 10 Chinchilla 10

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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

10-12-99

APHIS FORM 7023 (AUG 91)

**ASSURANCE STATEMENTS** 

(Replaces VS FORM 18-23 (OCT 88)

See reverse side for additional information. Interagency Report Control No. 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

46-R-0001

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY IName and Address, as registered with USCA

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

UNIVERSITY OF S DAKOTA

414 E CLARK ST

BOX 9001

VERMILLION, SD 57069-2390

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, lesting, leaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)

Lee Medicine

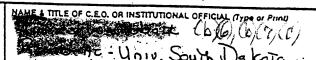
See Attached

Α	וס ואסמוטים ש	C Number of		Cossary or use APRIS FORM 7023A.)	
Animuls Covered By The Animal Wellare Regulations	animals being bred, Conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	uninals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	O Mumber of animals upon which experiments, : leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analysisc, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL:  (Cols. C - O + E)
4. Dogs	0		22		22
5. Cats					
6. Guinea Pigs	0		14		14
7. Hamsters	0	21			l
8. Rabbits	3	180	18		21 198
9. Non-human Primates	8		2		
10. Sheep					2
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
				•	
ASSURANCE STATEMENTS					

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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).



Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE -ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

46-R-0003

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

DLORAH INC

321 KANSAS CITY ST

BOX 9001

RAPID CITY, SD 57701

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles) National American University

Animal Health Department 201 Kansa's City Street Rapid City, SD 57701

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adictional sheets if necessary or use APHIS FORM 7023A) B. Number of E. Number of animals upon which teaching. C Number of D. Number of animals upon animals being experiments, research, surgery or tests were animals upon which experiments... Animals Covered bred .- . which leaching. conducted involving accompanying pain or distress leaching, research, conditioned, or By The Animal research. to the animals and for which the use of appropriate TOTAL NO. SUIDELY, OF TESTS WERE held for use in Wellare Regulations experiments, or anesthetic, analgesic, or tranquilizing drugs would conducted involving OF ANIMALS teaching, testing, lesis were have adversely affected the procedures, results, or accompanying pain or experiments. conducted interpretation of the teaching, research. distress to the animals research, or involving no experiments, surgery, or tests. (An explanation of and for which appropriate (Cols. C D + E) surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. used 17 Dogs 34 47 9 Cats 56 Guinea Pios 12 Hamsters 7 7 Rabbits Non-human Primates 10. Sheep Pigs Other Farm Animals 13. Other Animals Chickens

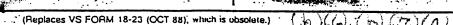
#### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, Professionally acceptable standards governing the care, treatment, and use or eminers, including approving and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility. . .
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC): A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED 10/1/99



Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

46-R-0005

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY IName and Address, as registered with USDA include Zip Code)

AUGUSTANA COLLEGE DEPT OF BIOLOGY 2001 S SUMMIT AVE SIOUX FALLS, SD 57197

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

Department of Biology, Augustana College See Attached

86.3

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, . teaching, research, surgery, or tests were -conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMAL:  (Cols. C +  D + E)
4. Dogs		•			
5. Cats					
6. Guinea Pigs			V		
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs	ļ ·				
12. Other Farm Animals	·				
13. Other Animals				:	
					None
					<del> </del>

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of . animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED 11/29/99

W

UNITED STATES DEPARTMENT OF AGRICULTURE . ANIMAL AND PLANT HEALTH INSPECTION SERVICE

46-R-0006

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

# ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

NÖV 🔆 8

BEARS INC

9 1571 E HWY 44

2001 S SUMMIT AVE

RAPID CITY, SD 57701

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

Lane

See Attached

A	B. Number of .	C Number of	D. Number, of animals upon	cessary or use APHIS FORM 7023A.)  E. Number of animals upon which feaching.	1 -
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	which experiments, leaching, research, surgery, or tests were ronducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	TOTAL NO OF ANIMAL:  (Cols. C + D + E)
4. Dogs					
5. Cats			١.		
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals	·				
13. Other Animals					
Black Boar			12		12

#### **ASSURANCE STATEMENTS**

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)

DATE SIGNED

11-13-4,

See reverse side for .. additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE -ANIMAL AND PLANT HEALTH INSPECTION SERVICE

46-R-0007

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

JERRY LYNN POMMER 47825 279TH ST

NOV

CANTON, SD 57013

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional theory is a second of the secon FACILITY LOCATIONS (Siles)

Canton South	ached <i>Walita</i> (1.3	<i>2013</i> -			
REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if ne	cessury or use APHIS FORM 7023A)	
A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, . leaching, research, surgery, or lests were -conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters				·	
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
Shup	131	0	0	0	0
13. Other Animals					
					<u> </u>
				riate use of anesthetic, analgesic, and tranquilizing drugs.	-1

- and following actual research, leaching, lesting, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
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CERTIFICATION BY HEADQUARTES RESEARCH FACII	LITY OFFICIAL
	onal Official)
(Chief Executive Officer or Legally Responsible Institution of Chief Executive Officer or Legally Responsible Institution of	on 2143).

DATE SIGNED

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NOO1

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Gode) University of Tennesee

Medical/Surgical Rsch Skl Lab 921 East 3rd Street

Chattanooga, TN 37403 Status: Active

NOV 1 5 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) Univ. of Tenn College of Med.-Chatt Unit Medical/Surgical Research Skills Lab

FACILITY LOCATIONS (Siles)

Third Street

Animals Covered . By The Animal . Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, feaching, research, surgery, or fests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	0	0	68	0	68
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0.	0	0	0
7. Hamsters	0	0	0 \	0	0
8. Rabbits	0	0	0	0	0
9. Non-human Primates	0	0	· 0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0 -	0	96	0	96
12. Other Farm Animals	0	0	0	0	0
13. Other Animals					
	-				
ASSURANCE STATEMENTS					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/11/99

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

1. REGISTRATION NO 63-R-0002

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Meharry Medical College

1005 D.B. Todd Boulevard 921 East 3rd Street Nashville, TN 37208

Status: Active

· NOV 1 5 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.) B. Number of E. Number of animals upon which leaching, Number of Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments, conducted involving accompanying pain or distress bred. which leaching, Animals Covered : teaching, research, surgery, or tests were to the animals and for which the use of appropriate conditioned, or By The Animal research. TOTAL NO held for use in anesthetic, analoesic, or tranquilizing drugs would OF ANIMALS Welfare Regulations experiments, or conducted involving have adversely affected the procedures, results, or teaching, testing, tesis were accompanying pain or experiments, interpretation of the teaching, research, conducted distress to the animals research, or experiments, surgery, or tests. (An explanation of (Cols. C + D + E) involving no and for which appropriate the procedures producing pain or distress in these surgery but not pain, distress, or anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were purposes. relieving drugs. must be attached to this report). 2 2 Dogs 0 Cats 133 133 Guinea Pigs 0 Hamsters 33 Rabbits 0 9. Non-human Primates 0 Sheep 13 13 11. Pigs 0 12. Other Farm Animals 13. Other Animals ASSURANCE STATEMENTS

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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

OR INSTITUTIONAL OFFICIAL



DATE SIGNED

APHIS FORM 7 23

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

See reverse side for additional information.

Oak Ridge Associated Universities

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 63-R-0003

include Zip Code)

FORM APPROVED OMB NO 0579-0036

# ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Basic and Applied Research P.O. Box 117 Oak Ridge TN 37831-0117

8213

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Award additional change it represents the purposes.

FACILITY LOCATIONS (Siles)

Basic and Applied Research, Biochemistry

140 E. Vance Road, Oak Ridge TN

Animals Covered : By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMAL:  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters			1		
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					·
12. Other Farm Animals					
13. Other Animals					
Rats	0		0	0	111
					<b> </b>

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
VACONA	(Chief Executive Officer or Legally Responsible Institutional Official)
All I A A A Port	

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

30 Nov 99

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

919 716 5696

United States department of agriculture Animal and Plant Health Inspection Service

63-R-006 63 R0006

DINDRUGA MACT CM8 NO US79-0935

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. MEADQUARTERS HESEARCH FACILITY (Name and Address, as registered with USDA include Zip Codel

Director of the Animal Care Facilities The University of Memphis Life Sciences Bldg. Room 115

NOV 2 9 1999

Memphis, TN 38152

K452 3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, teating, teaching, or experimentation, or hold for these purposes. Attack additional

FACILITY	LOCATIONS	(Siles)
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Life Sciences Building

Animals Covered By The Animal Welfare Regulations	8. Number of grumals being bred, conditioned, or held for use in teaching, feating, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain, retieving drugs.	O Number of unimals typin which experiments, teaching, responsh, surgery, or less were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgosic, or transpolitzing drugs were used.	E. Number of unimals upon which teaching, experiments, research surgery or tests were conduced involving accomplishing out in distress to the animals and for which the use of appropriate analitetic, analgesic, or tranquitizing drugs would have alwersely affected the procedures, results, or interpretation of the fraching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this reporti	TOTAL NO OF ANIMAL:  (Cois. C + D + E)
Dogs	0	0	0	0	0
o Cais	0	0	0	0	0
5. Guinea Pigs	12	0	243	0	243
'. Hamsters	0	0	0	0	0
3. Rabbits	0	8	Ò	0	8
. Non-human Primates	0	43 🗸	. 0	0	43
iu. Sheep	0	0	. 0	0	0
II. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals					
voles .	22	485	0	0	485
		<b> </b>			

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, und use of animals, including appropriate use of anicethetic, analysis, and transpositioning drugs, prior to, during and following actual research, teaching, testing, surgery, or experimentation were followed by this insoarch facility
- 2) Euch principal investigator has considered olternatives to painful procedures.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL Approx Print

(Replaces VS FORM 18-23 (OCT 88), which is obsolute) (AUG 91)

(b) (b) (7) (c)

DATE SIGNED

11-23-99

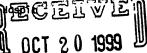
ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO.07

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA St. Jude Childrens Research College College W

332 N. Lauderdale Memphis, TN 38105 Status: Active



3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACIL	JIY	LOCATION	S (Sites)

#### Animal Resource Center

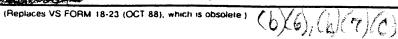
sheets if necessary.)

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or fests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (COIS. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters			1		·
8. Rabbits			122		122
9. Non-human Primates					
10. Sheep					
11. Pigs		3			3
12. Other Farm Animals					
13. Other Animals					

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(Chief Executive Officer or I certify that the above is true	UARTES RESEARCH FACILITY OFFICIAL (6)(6)(4) Legally Responsible Institutional Official) 4, correct, and complete (7 USC Section 2143)	<b>7</b> /(C)
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
		10-13-94

FORM 7023 AUG 91)



See reverse side for additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.10

0.2 ROUTV (Name

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Schering-Plough Healthcare Product

3030 Jackson Ave.

-332-N. Lauderdale Memphis, TN 38151 Status: Cancelled

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** See Attached

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or lests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS.  (Cols. C +  D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	0 .	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	0	0	0
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals	0	0	0	0	0
ASSURANCE STATEMENTS					

#### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

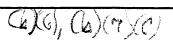
I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

S FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)



1. REGISTRATION NO. 63 R

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) # g53

include Zip Gode) TN State University
P.O. Box 70,720 Campus Box 70418

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

-332 H tauderdele-

Johnson City, TN 37614-0418 DEC 0 1 1999

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

East Tennessee State University VA Campus: Brown Hall Building

FACILITY LOCATIONS (Siles)

<del>See Attached</del>

East Tennessee State University

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL:  (COIS. C + D + E)
4. Dogs	10		128		128
5. Cats			16		16
6. Guinea Pigs	5		189		189
7. Hamsters			16		16
8. Rabbits	2		99		99
9. Non-human Primates					
10. Sheep					
11. Pigs			25		25
12. Other Farm Animals					
13. Other Animals					
					-

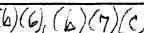
- 1) Prolessionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered afternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of ammal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED



ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION 18014 63R 0014

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Columbia State Community College

PO Box 1315

332 N. Lauderdale

Status: Active

Columbia, TN 38402-1315

OCT 1 1 1833

846

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Health Sciences Building

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which Teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL  (Cols. C - D + E)
4. Dogs			32		32
5. Cats			7		7
6. Guinea Pigs	·		١		
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					<u> </u>
11. Pigs			-		
12. Other Farm Animals		3 Horses			3
		11 Calves			11
13. Other Animals		6 Pigeons	i e		Ç
		0			

#### SSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

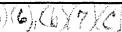
CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL.

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

APHIS FORM 7023 (AUG 91) 3 (OCT 88), which is obsolete)



DATE SIGNED

10/08/99

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

See Attached

1. REGISTRATION NO 15 63R001

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code ied Medical Research, Inc.

308 15th Ave N. 332 N. Lauderdale Nashville, TN 37203

Status: Active

3. REPORTING FACILITY (LIST	all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes.	Attach additional
sheets if necessary.)	·	

FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY	OR UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters			,		
8. Rabbits			1110		
9. Non-human Primates					
10. Sheep				·	
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
ASSURANCE STATEMENTS		<del></del>			

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee annual care and use

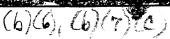
Chief Ex	TION BY HEADQUARTES RESEARCH FACILITY OFFICIAL ecutive Officer or Legally Responsible Institutional Official) filly that the above is true, correct, and complete (7 U.S.C. Section 2143)
IGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of

or Print)

DATE SIGNED

(AUG 91)

23 (OCT 88), which is obsolete)



KHODES COLLEGE BIO

PAGE

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150.

See reverse suin lor additional Information Interogency Report Control No. OIUU-DOA.AN

UNITED STATES DEPARTMENT OF AGRICULTURE

FORM APPROVED 3000-9720 ON BMO

ANHOL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO 01763ROOM 2. HEADQUARTERS RESEARCH FACILITY (Nume

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Code) Rhodes College 2000 N. Parkway Avenue

332 N. Lauderdale Memphis, TN 38112

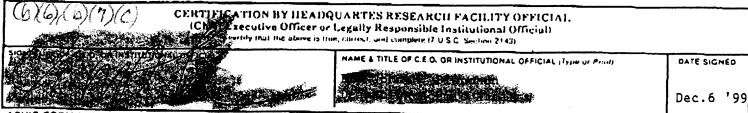
Status: Cancelled

1. REPORTING FACILITY (List all locations where animals were housed or used in actival resourch, testing, teaching, or experimentation, or held for these purposes. Attach additional Frazier Jelke Science Building

FACILITY LOCATIONS (SIIOS)

		F RESEARCH FACILITY	Y IAITOCN BUILDING I Sheets if inc	ICUSTURY OF USE APHIS FORM (073A)	
Animats Covered By The Animal Wellere Regulations	B Number of enimals being bred, conditioned, or held for use in teaching, testing, experiments, research, or sugary but not yet used for such purposes.	C Number of animals upon which reaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of eminals upon which experiments, leaching, research, surgery, or lests were conducted invulving accompanying pain or distress to the animals and for which appropriate enesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feeching, experiments, research, surgery or lests were conducted involving accumpanying point or distress to the animals and for which the use of appropriate enesthetic, analgesic, or transportational rugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or lests (An explanation of the procedures producing pain or distress in those enimals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D - E)
4. Dogs	22				
5. Cats	00				
5. Guinea Pigs	100		1		
7. Hamaters	0 9				
8. Rabbits	10 %				
9. Non-human Primates	100		·		
10. Sheep	195				
11. Pios	03				
12. Other Farm Animals	20				
	0				
13. Other Animals	0				
	0				
	0		·		
	0				
ASSURANCE STATEMENTS					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approximate use of anesthetic, analgesic, and transpulsiving drugs, prior to, during and following actual research, teaching, teating, surgery, or experimentation were followed by this research facility.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and annual report in addition to identifying the IACUC approved exceptions, this annual report in addition to identifying the IACUC approved exceptions, this annual report in addition to identifying the IACUC approved exceptions, this annual report in addition to identifying the IACUC approved exceptions, this annual report in addition to identifying the IACUC approved exceptions, this annual report in addition to identifying the IACUC approved exceptions.
- The allenging veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of



APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )

ANNUAL REPORT OF RESEARCH FACILITY

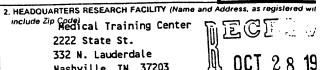
(TYPE OR PRINT)

1. REGISTRAZIONANO 102 63 ROLO

FORM APPROV OMB NO. 0579

include Zip Code) Medical Training Center

2222 State St. 332 N. Lauderdale Nashville, TN 37203 Status: Active



<i>\( \' \' \' \</i>				D.V.	•
3. REPORTING FACILITY (List all sheets if necessary.)	locations where animals	were housed or used in	n actual research, testing, teach	hing, or experimentation, or held for these purposes. Attach	h i
		FAC	ILITY LOCATIONS (Siles)		_
See Attached					_
		- DOCE A DOLL EACH IT	Albach whitibound cheats if ne	ecessary or use APHIS FORM 7023A.)	_
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lestling, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments surgery or tests. (An application of	F
4. Dogs					+
5. Cats					+
6. Guinea Pigs		1			+
7. Hamsters					+
8. Rabbits					$\downarrow$
Non-human Primates					+

### **ASSURANCE STATEMENTS**

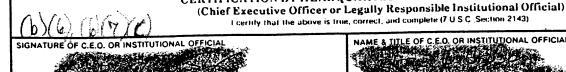
12. Other Farm Animals

13. Other Animals

10. Sheep 11. Pigs

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, pri and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explain principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual principal investigator and approved by the institutional content of the annual cost of the content of the species and number of animals all addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals all
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of oth annual care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION 19904 63 ROI 04

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Rashville Fertility Center

2400 Patterson Street

Suite 319

Nashville, TN 37203

Status: Active

849

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

FACILITY LOCATIONS (Sites)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach admitted a sheets if necessary or use APHIS FORM 7023A.) E. Number of animals upon which teaching, B. Number of C Number of D. Number of animals upon animals being experiments, research, surgery or tests were animals upon which experiments, conducted involving accompanying pain or distress Animals Covered bred. which leaching, leaching, research. to the animals and for which the use of appropriate research, By The Animal conditioned, or TOTAL NO. surgery, or tests were conducted involving anesthetic, analgesic, or tranquilizing drugs would held for use in experiments, or Welfare Regulations OF ANIMALS teaching, testing, lests were have adversely affected the procedures, results, or accompanying pain or interpretation of the teaching, research, experiments. conducted distress to the animals research, or experiments, surgery, or tests. (An explanation of (Cols. C + D + E) involving no and for which appropriate surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. 4. Dogs Cats Guinea Pigs 651 651 *5*2 Hamsters Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals

#### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

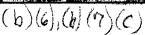
Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (Replaces V

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)



IS FORM 7023 (Replaces VS FORM 18 (AUG 91)

1. REGISTRATION NO. 63R010

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Gode) University of Tennessee-Knoxville

Office of Research 404 Andy Holt Tower Knoxville, TN 37996

Status: Active

NOV 2.9 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** See Attached REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM 7023A.) B. Number of Number of animals upon which leaching, C Number of D. Number of animals upon animals being animals upor experiments, research, surgery or tests were which experiments, Animals Covered bred. which leaching, conducted involving accompanying pain or distress teaching, research, conditioned, or to the animals and for which the use of appropriate By The Animal research. TOTAL NO Surgery, or lests were Wellare Regulations held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would conducted involving OF ANIMALS teaching, testing, lesis were have adversely affected the procedures, results, or accompanying pain or distress to the animals experiments, interpretation of the teaching, research, conducted research, or experiments, surgery, or tests. (An explanation of involving no and for which appropriate (Cols. C + D + E) surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or vet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were purposes. must be attached to this report). relieving drugs AL Dogs 87 121 18 30 Cats 48 2 Guinea Pigs 75 84 159 Hamsters 19 8. Rabbits 14 33 12 10 Non-human Primates 10 10. Sheep 11. Pigs 37 37 Horse Other Farm Animals 85 85 Cow 81 Llama Other Animals Chinchilla Goats 19 19

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the This facility is determined the standards and explained which is a standard and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

APHIS FORM 7023 (AUG 91)

**ASSURANCE STATEMENTS** 

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(b)(c),(b)(7)

OMB NO. 0579-0036

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

NOV 2.9 1999

63-R-0105 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Status: Active

University of Tennessee-Knoxville Office of Research 404 Andy HOlt Tower Knoxville, TN 37996

ORT OF ANIMALS USED BY OF	NUNDER CONTROL OF	RESEARCH FACILITY	Alach aukinonai siletta	E. Number of animals upon which teaching,	F
Animals Covered By The Animal Wellare Regulations	B Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be effected to this report).	TOTAL NO OF ANIMAL: (Cols. C D + E)
(List by species)			2		2
Sheep ;		115			115
Bears		113			
			· .		
					<u> </u>
			l. V		<del></del>
			·		
					-

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anesthetic, analysis, and tranquilizing drugs, prior to, during and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-upproved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
	The state of the s
	TO LONG TO A TO LAND DV HE AND HARTES RESEARCH FACILITY
•	CERTIFICATION DI HERDOCHINI DE CONTROL
•	(Chief Executive Officer or Legally Responsible Institutional Official)
	CL. CU Afficer or Lepany Responsible institutional
	(Chief Executive Officer of Begans)
	(Criter Executive State of Criteria (Criteria Control 2143)

Exertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED



animal care and use

The University of Tennessee Medical Center

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

See Attached

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Gode) Univ. of Tennessee Knoxville Medic

1924 Alcoa Hwy. 404 Andy Holt Tower Knoxville, TN 37920-6999

Status: Active

NOV 2 9 1999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) FACILITY LOCATIONS (Sites)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adultional sheets if necessary or use APHIS FORM 7023A.) Number of animals upon which feaching, B. Number of C Number of D. Number of animals upon experiments, research, surgery or tests were animals being animals upon which experiments, conducted involving accompanying pain or distress Animals Covered bred. which leaching, teaching, research, research; conditioned, or to the animals and for which the use of appropriate By The Animal TOTAL NO. surgery, or lests were anesthetic, analgesic, or tranquilizing drugs would held for use in Welfare Regulations experiments, or OF ANIMALS conducted involving teaching, testing, have adversely affected the procedures, results, or tests were accompanying pain or interpretation of the teaching, research, experiments, conducted distress to the animals experiments, surgery, or tests. (An explanation of research, or involving no (Cols. C + D + E) and for which appropriate surgery but not the procedures producing pain or distress in these pain, distress, or anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. used 3 12 12 Dogs 12 24 36 Cats 6. Guinea Pigs Hamsters 13 64 64 Rabbits

#### ASSURANCE STATEMENTS

Non-human Primates

12. Other Farm Animals

13. Other Animals

10. Sheep 11. Pigs

- Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED 11/23/99

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete) (b)(6), (6)(7)

1. REGISTRATION 63RO10

FORM APPROVED OMB NO: 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

 $\frac{1}{2} \frac{1}{2} \frac{1}$ 

800 Madison Avenue 404 Andy Holt Tower Memphis, TN 38163

Status: Active

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** See Attached

Coleman College of Medicine Building

Wittenborg Building

Nash Annex Building

Molecular Sciences Building

	B. Number of			cessary or use APHIS FORM 7023A)  E. Number of animals upon which leaching,	
A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	TOTAL NO OF ANIMAL  (Cois. C D + E)
4. Dogs			48		48
5. Cats			18		18
6. Guinea Pigs			400		400
7. Hamsters	28		120		148
8. Rabbits			378		378
9. Non-human Primates			12		12
10. Sheep			3		3
11. Piqs			794		794
12. Other Farm Animals					
Gefbils			265		265
13. Other Animals					
	1				

#### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
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- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED





This report is required by low (2 USC 2143). Failure to report according to the regulations can result in an order to coase and desist and to be subject to possible as provided for in Section 2150.

PUE LEAGUE PARE 100

919 716 5696 P.04/06 0180-DOA-AN

additional information.

1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

63-R-0113

2. HEADQUARTERS RESEARCH FACILITY (Name and Address. 88 registered with USOA. include Zip Codel

Medical Education & Research Institute 44 South Cleveland St.

Memphis, TN 38104

1009

1. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

Medical Education & Research Institute FACILITY LOCATIONS (Sites)

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposess.	C Number of animals upon which teaching, research, suppriments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, resporch, surgery, or tests were conducted invulving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	Ensistry of use APHIS FORM 7023A.)  E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or districts to the animals and for which the use of appropriate unesthetic, analgesic, or tranquitizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, populments, surgery, or tests. (An explanation of the procedures producing pean or defress in these animals and the reasons such drugs were not used must be attached to this report).	F.  YOTAL NO. OF ANIMALS  (COIS. C + D + E)
4. Dogs	0	0	0	. 0	
5. Cals	0	0	0	0	0
6. Guinea Pigs	0	0	0	. 0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	0	0	0
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	130	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals	. 0	0	0	0	0
Ferrets	0	0	5	0	0
		-			

- 1) Prolessionally acceptable standards governing the care, frequent, and use of annuals, including approxiate use of anesthetic, analgesic, and tranquitizing drugs, prior to, during, and following actual research, teaching, teating, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to possible procedures
- 3) This locitity is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summery of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved inceptions, this summary includes a brief explanation of the exceptions, us well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of minnal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Southou 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11-30-99

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolute )

See reverse side for additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 14 63R01

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) University of the South

735 University Ave.

484 Andy Hote Tower Woods, Laboratories

Sewanee, TN 37383-1000

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) Nocas

FACILITY LOCATIONS (Siles)

See Attached

r		DECEMBER EACH IT	/ /Allach whitehoust shoots if ye	cessary or use APHIS FORM 7023A.)	
A.  Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters			,		41
8. Rabbits		4			4
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
Gerhils		4			4_

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
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- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

**APHIS FORM 7023** 

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

1. REGISTRATION NOO01

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Forest University

Medical Center Boulevard P.O. Box 9029

Winston-Salem, NC 27157-1023

Status: Active

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

Chestnut Campus (005)

Friedberg Campus (003)

Bowman Gray Campus (001)

Reynolda Campus (004)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A)					
A Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs		3 .	124		127
5. Cats			127		127
6. Guinea Pigs		12	1		13
7. Hamslers					
8. Rabbits		101	148		249
9. Non-human Primates	10	86	1267		1353
10. Sheep			113		113
11. Pigs		16	344		360
12. Other Farm Animals					
Goats		3			3
13. Other Animals					
Ferrets			226	1	226
Squirrels		50		<b>2</b>	50
Bats		14			14
ASSURANCE STATEMENTS					

- Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and franquilizing drugs, prior to, during. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

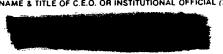
Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11-19-99

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



e side for See , information addn

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NOO2 00024861 FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Research Triangle Institute

3040 Cornwallis Rd.

P.O. Box 12194

Res. Triangle Park, NC 27709-2194

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, lessing, reaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

FACILITY LOCATIONS (Sites)

See Attached Research Triangle Institute 3040 Cornwallis Road

Research Triangle Park, NC

A	Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	Essary or use APHIS FORM 7023A)  E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Do	ogs					
5. Ca		:				ļ
6. Gu	uinea Pigs					
7. Ha	amsters			·		
8. Ra	abbits	414	381		33	414
9. No	on-human Primates					<del> </del>
10. S	heep					<u> </u>
<u>11. P</u>	igs					
12. C	Other Farm Animals					
13. C	Other Animals					
					ggs Alle Mar	
			<b>_</b>	<del> </del>		

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

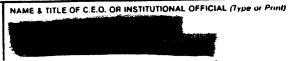
CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

11/24/99

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



55R0002

### Research Triangle Institute 1999 Annual Report to USDA

# Supplementary Information on Animals Assigned to Category E

- 1. Nine does died due to misdirected doses (dosing tubes were inadvertently inserted into the trachea instead of the esophagus).
- 2. Nineteen does died or were euthanized moribund in late gestation apparently due to the toxicity of the compound under test.
- Of animals assigned to a toxicity testing study, one doe in the control group was found dead on gestational day 30; one doe in the low-dose group was found dead on gestational day 15 and one on gestational day 29; and in the mid-dose group, one doe was found dead on gestational day 29 and one on gestational day 30. No does died in the high dose group of this particular study; therefore, the deaths in these groups may not have been related to toxicity of the compound under test.

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 55-R-0003

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA Include Zip Code)

Duke University

Division of Laboratory Animal Resources

3180 DUMC

27710 Durham, NC

DEC 0 1 1999

2. REPORTING FACILITY (List all locations where animals were housed or used in actual resignich, resting, teaching, or exportmentation, or held for those purposes. Attach additional sheats if necessary.)

#### FACILITY LOCATIONS (5/104)

Duke University Medical Center

Duke University Research Farm

Duke University

Duke University Primate Center

Animals Covered By The Animal Wellare Regulations	B. Number of paintals being bred, Conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	G Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate onesthetic, analgesic, or tranquilizing drugs were used.	E. Number all animals upon which teaching, experiments, research, surgery or tests were conducted involving occompunying pain or distress to the animals and for which the use of appropriate anosthetic, analysisc, or tranquiliting drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C + D + E)
4. Dogs		1	246		247
5. Cais	,	2	23		25
6. Guinea Pigs	139	17	487		504
7. Hamsters			26		26
B. Rabbils	10	172	_ <b>22</b> 84	· ·	2456
9. Non-human Primates	124	163	113		276
10. Sheep	4		106	·	106
11. Pigs		- 94	657		751
12. Other Farm Animals				*.	
Goats	4				4
13. Other Animals				71	
Gerbils	10 · ·	31			31
Ferrets			246	. *;	246

# Professionally acceptable standards governing the care, freatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, tasting, surgery, or expandionium were followed by this research facility.

- 2). Each principal investigator has considered alternatives to painful procedures
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- 4) The offending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of unimal care and use

## CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

11/30/99

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(AUG 91) (B)(G), (B)(7)(C) APHIS FORM 7023

(b)(6), (b)(7)(c)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, es registered with USDA

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE I. REGISTRATION NO 55-R-0003

include Zip Codel

Duke University

FORM APPROVED OMB NO 0579-0036

# CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

Division of Laboratory Animal Resources 3180 DUMC

( TYPE OR PRINT) Durham, NC 27710

nrr 1 1 1999

PORT OF ANIMALS USED BY OR	WASS CONTROL OF	RESEARCH FACILITY	(Allach admittional theols if not	assam ur usii Inis Jurni 1	
Animals DSED BY OR  Animals Covered By the Animal Wellure Regulations  12 8/OR 13 Other (US) by Species)	B Number of annuals being bred, conditioned, or noid for use in resching, losting, experiments, research, in surgery but noi yet used for such purposes	C Number of animals upon which inaching, research, deperiments, in tests were conducted involving no pain, distores, or use of pain-ratioving drugs	D. Number of animals upon: which expendents teaching, research, turgery, or losts were conducted involving accompanying pain or distress to the animals and the which appropriate anestitictic, analysist, or tranquisting drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the amounts and for which the use of appropriate anesthelic, analytics, in tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or lests. (An explanation of the procedures producing pain or distress in those animals and the customs such drugs were not used must be affected to this report!	WAL 1
Tree Shrews	3	2	33	35	<del></del>
Mini Opessums		42		42	
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				RATE TO THE REPORT OF THE REPO	
					-

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of unimals, including appropriate use of unexthetic unadgesic and tranquitizing drugs, prior to, thiring and following actual research leaching, testing, surgery, is experimentation were followed by this receirch lability
- 2) Each principal investigator has considered alternatives to painful procedures
- 31 This facility is adhering to the standards and regulations under the Act, and it has required that receptions to the standards and injulations be standards and naplained by the This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations and regulations under the Act, and it has required that exceptions and improved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report is addition to identifying the IACUC approved exceptions, this summary includes a tirel explanation of the standard regular and inimals affected.
- 4) The attending selementary for this research facility has appropriate authority to ensure the provision of adequate seterings care and in oversize the adequacy of other aspects of

unimal care and use	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL  (Chief Executive Officer or Legally Responsible Institutional Official)  (certify that the above is true, correct, and complete (7 U.S.C. Section 2143)						
SIGNATURE OF C.E.O. OR INSTITU		NAME & TITLE OF C.E.O. OR INSTITUTIONAL	L OFFICIAL (True or Penn)	11/30/99			
APHIS FORM 7023A		(b)(b),(b)(7)(c)	स्त्रकः।	HEADQUARTERS			

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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO.

55-R-004-01

FORM APPROVED DMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA includo Zip Code)

University of North Carolina at Chapel Hill Division of Laboratory Animal Medicine CB# 7115 - B12 Berryhill Hall Chapel Hill, NC 27599-7115

3. REPORTING FACILITY (List all locations where animals were housed or un	4 to annual connects to love teaching	or expenimentation, or	held for these purpos	es. Attach additional
3. REPORTING FACILITY (List all locations where animals were housed or us	THE IN SCINST LESSON CO. 152111 P. 160011112	, o p	•	
Sheels if necessary.)				
	FACILITY LOCATIONS (Silva)			

REPORT OF ANIMALS USED BY O	A UNDER CONTROL OF	RESEARCH FACILITY	(Attach subditional sheats if ne	CUSSERV OF USE APHIS FORM 7023A)	
A. Animals Covered By The Animal Wetlare Regulations	B. Number of animuls being bred, conditioned, or held for use in teaching, losting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leadhing, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, loaching, research, surgery, or losts were conducted involving accompanying pain or distress to the unimobal and for which appropriate anesthetic, analyssic, or tranquilizing drugs were used.	E. Number of animals upon which research, surgery or lests were conducted involving accompanying pain or distress to the animals and lor which the list of appropriate enesthetic, analysisic, or transplainting drugs would have adversily affected the procedures, results, or interpretation of the teaching, research, appropriate the procedure of th	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	15	172	56		228
5. Cats	6	27	11		38
5. Guinea Pigs			207		207
7. Hamsters		100	164		264
8. Rapbits		211	143		354
9. Non-human Primates	·	. 4	24		28
10. Sheep		7			7
11. Pigs	10	166	66		232
12. Other Farm Animals					
					1
13. Other Animals					
				37	
		1			

- 1) Prolessionally acceptable standards governing the care, treatment, and use of animals, including approviate use of snesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility:
- 2) Each principal investigator has considered alternatives to painful procedures
- 2) This locility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Annual Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of unfinals affected
- 4) The attending veterinorian for this research facility has appropriate authority to sinsure the provision of adequate veterinary care and to oversee the adequacy of other aspects of ammai care and ose

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)
Continue that the agrees of true, correct, and contribute (7 U.S.C. Section 2143)

DATE SIGNED

(6)(6)(6)(7)(C)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

SIGNATURE OF C.E.O. OR INSTITUTIONAL PER

ASSURANCE STATEMENTS

USDA APHIS AC

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

55-R-004-01

919 716 5696 F.02/02

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY ( TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY INSINU and Addinss. # ragistered with USDA University of North Carolina at Chapel Hill

Division of Laboratory Animal Medicine CB# 7115 - B12 Berryhill Hall Chapel Hill, NC 27599-7115

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Anach adultional shadts if indicussary in usin this form which teaching.						
A B Number of animals be bred; By The Animal conditions fact for use teaching. It wisperiment research, or surgery bu		of C Number of pointing which resolving, indicate the conducted involving to point the conducted involving no point distress, in	O Number of animals upon which experiments, teaching, research, surjery, or lests were conducted invulving accompanying pain or districts to the animals that the which appropriate anesthetic, analysis, were	experiments, research, surgicity or leasts were experiments, research, surgicity or leasts were conducted involving accumpanying pain or distripts to the animals and the which the use of appropriate anesthetic, anisignal, in transpoliting drugs would have adversely affected the procedures, results, or interpretation or the leaching, research, experiments, surgery, in less (An experiments surgery, in less). An experiments and the reasons full drugs were not used must be effected for this report.	TOTAL NO OF ANIMAL: (Cols. C - O + E)	
12 &/OH 13 Other (US) by species!		relieving drugs	yeed	must be enached to this report	+	
Bats		43	10		53	
Chickens	<u> </u>	620			620	
Ferrets			102		102	
Gerbils		106			106	
Pigeons		24			24	
	<del>                                     </del>	1				
		<del>                                     </del>		1		
	+			Д.		
		<del> </del>				
		<del>                                     </del>				
ASSURANCE STATEMENTS						

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestheric, analysis, and transporting drugs, prior to, disting and following actual research teaching, testing, surgery, or experimentation were followed by this research tacking
- 2). Each principal invastigator has considered alternatives to painful principalities
- 3) This facility is adhering to the standards and regulations under the Act, and it has recurred that exceptions to the standards and regulations by specified and explained by the principal investigator and approved by the histitutional Alumpi Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. addition to intentifying the IACUC approved exceptions, this summary includes a line explanation of the exceptions, as well as the spin second number of animals affected
- 4) The attending systemician inclination agrees likelity has appropriate authority to enture the provision of adequate systemicial and to everyone the arteriory of other activated annual case and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I carrily that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE A OR INSTITUTION IL DEBICE



NAME & TITLE OF C.E.O. GR INSTITUTIONAL OFFICIAL IT, IN U.

DATE SIGNED

MOU-24-1999 14:27 USDH AFRID HU

This report is required by law if use cross continued to consider as convided for its Section 2150. additional information. Unequalities

POULT IN UNITED STATES DEPARTMENT OF AGRICULTURE

UNITED STATES DEPARTMENT OF AGRICULTURE

ANIMAL AND PLANT HEALTH INSPECTION SERVICE

5.5

1. REGISTRATION NO. 55-R-004-01 FORM APPROVED OME NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Animal Resource Center

2. HEADQUARTERS RESEARCH FACILITY (Name and Address: as registered with USDA include Zip Coue)

University of North Carolina at Chapel Hill Division of Laboratory Animal Medicine CB# 7115 - B12 Berryhill Hall Chapel Hill, NC 27599-7115

REPORTING FACILITY (List ail locations where animals were housed or used in actual resignor, leading, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

FACILITY LOCATIONS (Gites)

				LOUIS SORU ŽITŽIA I	
REPORT OF ANIMALS USED BY C Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, tosting, experiments, research, or surgery but not yet used for such purposes.	RESEARCH FACILITY C Number of animals upon which leaching, research, experiments, or lests were conducted involving to pain, distress, or use of pain-relieving drugs.	Officer actrifluence sheets if no which experiments, loaching, research, surgery, to tests were conducted involving accompanying pain or distress to the animula and for which appropriate anesthetic, analogisic, or tranquilizing drugs were used.	Ensiety or use APHIS FORM 7072A)  E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accommonlying pain or distress to the animals and for which the use of appropriate anesthetic, analysis, or transmitting drugs would have adversity affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explenation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report.)	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs		3			3
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Racous					
9. Non-human Primates	•		4		4
10. Sheep	·				
11. Pigs		8			8
12. Other Farm Animals				\(\frac{1}{2}\)	
13. Other Animals					
				Sept. For the sept.	
ASSURANCE STATEMENTS					

- Prolessionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analysis, and tranquilizing drups, prior to, during, and luikuwing actual research, teaching, testing, Surgery, or experimentation were followed by this research facility.
- 2) Euch principal investigator has considered alternatives to pointul procedures
- 21 This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Annual Cure and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of unlimits affected.
- 4) The attending veterinarian for this research tagility has appropriate authority to ensure the provision of adequate veterinary cure and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) (Cartily that the above is fine, correct, and complete (7 U.S.C. Section 2142)						
Signature of C.E.O. or institutional official	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	date signed				

1. REGISTRATION NO. 55-R-004-01

FORM APPROVED DMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Beard Hall

2. HEADQUARTERS RESEARCH FACILITY (Name and Administ as registered with USDA include Zip Code)

University of North Carolina at Chapel Hill Division of Laboratory Animal Medicine CB# 7115 - B12 Berryhill Hall Chapel Hill, NC 27599-7115

REPORTING FACILITY (List ail locations where animals were housed or used in actual research, leating, teaching, or experimentation, or held for these purposes. Attach additional sneeds it necessary.)

FACILITY LOCATIONS (Silva)

DEDOCT OF ANIMALS USED BY	OR UNDER CONTROL OF	RESEARCH FACILITY	(Altach adidlininal sheets if ne	CURRENT OF HER APHIS FORM 7073A.)	
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, losting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, loaching, research, surgery, or tosts were conducted involving accompanying pain or distress to the animula and for which appropriate anesthetic, analysisic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accumbunying pain or distress to the animals and for which the use of appropriate anesthetic, analigesic, or tranquillating drugs would have adversity affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats				·	-
5. Guinea Pigs	·		103		103
7. Hamsters					<u> </u>
8. Racbits					
9. Non-human Primates					
10. Sheep	·				
11. Pigs					<del> </del>
12. Other Farm Animals					<del> </del>
				<u> </u>	1
13. Other Animals				21	
				15.	
			•	14 Sept.	

- 1) Professionally accopiable standards governing the care, treatment, and use of awreals, including approvide use of snesthetic, analysis, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, Surgery, or experimentation were followed by this research facility
- 2) Euch principal investigator has considered alternatives to painful procedures
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- 4) The attending veterinarian for this research tourity has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL  (Chief Executive Officer or Legally Responsible Institutional Official)  Lacitly that the above is true, correct, and complete (7 U.S.C. Santon 2143)						
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED				

ASSURANCE STATEMENTS

U10V-WJA-AIR additional information.

NOV-24-1395 14:27 USD HEALS HE THIS INCOME IN THE HEALS HE THIS REPORT IS REQUIRED by 1981 (1 USD 13 to 10 uspect) and the second second is required by 1981 (1 USD 13 to 10 uspect). this report is required by law (1 lab. £190). Family to requir many in the topolism section 2150, result in an order to chase and desist and to be subject to penalties as provided for its Section 2150.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 55-R-004-01 FORM APPROVED CMB NO 0579-0036

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ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Adminas, as registered with USDA includo Zip Codel

University of North Carolina at Chapel Hill Division of Laboratory Animal Medicine CB# 7115 - B12 Berryhill Hall Chapel Hill, NC 27599-7115

1. REPORTING FACILITY (List ail locations where animals were housed or used in actual research, teating, teaching, or experimentation, or held for these purposes. Attach additional Sheels if Hecessary.)

FACILITY LOCATIONS (Silus)

EDORT OF ANIMAL S LISED BY OF	UNDER CONTROL OF	RESEARCH FACILITY	(Attach adicilitional shoots if no	CESSON OF USE APHIS FORM 7023A.)	
Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, tosting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leading, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	O Number of animals upon which experiments, toaching, research, surgery, or tosts were conducted involving accompanying pain or distress to the unimals and for which appropriate anesthetic, analysisic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accumularity pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or transpullaring drugs would have adversity affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explenation of	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats	6	20			20
5. Guinea Pigs					
7. Hamsters					
8. Racous					
9. Non-human Primates			11		11
10. Sheep					
11. Pigs			6		6
12. Other Farm Animals					
13. Other Animals					
	<del> </del>				
	<u> </u>	<b></b>			+

- 1) Prolessionally acceptable standards governing the care, treatment, and use of animals, including approvate use of anesthetic, analysis, and tranquilizing drugs, prior to, during, and lulkswirty actual research, leaching, testing, surgery, or experimentation were followed by this rosearch facility
- 2) Euch principal investigator has considered alternatives to pointful procedures
- This lucility is adhering to the standards end regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Annual Care and the Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of unlimited affected.
- 4) The attending veterinarian for this research tacility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of ammai care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL  (Chief Executive Officer or Legally Responsible Institutional Official)  (Chief Executive Officer or Legally Responsible Institutional Official)					
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	daté signéd			
		<u> </u>			

This report is required by law (riduced any formula in the subject to penalties as provided for its Section 2150.

additional information

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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 55-R-004-01

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Z. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Could)

University of North Carolina at Chapel Hill Division of Laboratory Animal Medicine CB# 7115 - B12 Berryhill Hall Chapel Hill, NC 27599-7115

REPORTING FACILITY (List ail locations where animals were housed or used in actual resource, leating, reaching, or experimentation, or held for these purposes. Attach additional sheets it inconstary.)

FACILITY LOCATIONS (Gilus)

Burnett-Womack Building REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Alloch withful allound should be discussed or use APMS FORM 7073A) E. Number of animals upon which feaching, & Number of O Number of animals upon experiments, research, surgery or tests were animult being animals upon which experiments. conducted involving accompanying pain or distress bred. Animais Covered which leading. loaching, research to the animals and for which the use of appropriate conditioned, or Sy The Animal research. TOTAL NO surgery. Or losis were anesthetic, analgesic, or transpolizing drugs would experiments, or Wellare Regulations held for use in CF ANIMALS conducted involving have adversity affected the procedures, results, or lesis were teaching, losting, accompanying pain or interpretation of the teaching, research, experiments. conducted gistress to the uninub (Cols. C + D + E) experiments, surgary, or tests. (An exprenation of research, or IEVOLVINA NO and for which appropriate surgery Dul not the procedures producing pain or distress in these pain, distress, or anesthetic, analgesic, cr animais and the reasons such Clugs were not used yet used for such use of paintranquiliting drugs were must be affached to this reports resieving drugs. purposes. used 47 49 4. Occs 7 18 11 Cats 29 29 5. Guinea Pros 264 100 164 7. Hamsters 266 184 82 8. Racous 9. Non-human Primates 7 7 10. Sheep 67. 109 42 11. Pigs 12. Other Farm Animals ìį 13. Otticr Animals Chickens 570 570 106 Gerbils 106

- 1) Professionally accoptable standards governing the care, treatment, and use of awinals, including approximate use of anesthetic, analysis, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surjecy, or experimentation were followed by their research facility.
- 2) Euch proxigal investigator has considered atternatives to pointful procedures
- This lacility is adhering to the standards and regulations under the Ads, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Annual Cure and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-upproved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of unimals affected.
- 4) The attending retermanant for this research toping has appropriate authority to ensure the provision of adequate retermany care and to oversee the adequacy of other aspirots of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)  [Certify that the above is trie, correct sout complete (7 U.S.C. Seaton 2142)						
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED				

ASSURANCE STATEMENTS

1. REGISTRATION NO. 55-R-004-01 FORM APPROVED OMB NO 0579-0035

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

University of North Carolina at Chapel Hill Division of Laboratory Animal Medicine CB# 7115 - B12 Berryhill Hall Chapel Hill, NC 27599-7115

1. REPORTING FACILITY (Lost oil li	ocations where animals	were housed or used in	n actual resporch, testing, teach	ning, or experimentation, or held for these purposes. Attac	th additional
Sheets it necessary.)					
		FAC	ILITY LOCATIONS (Silva)		
D				i.	
Davie Hall					<del></del>
REPORT OF ANIMALS USED BY O	A UNCER CONTROL OF	RESEARCH FACILITY	(Allach additional stream of the	RUSSERV OF USE APHIS FORM 7073A.)	
Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, tosting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or leafs were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, leaching, research, surgery, to leats were conducted involving accompanying pain or distress to the unimula and for which appropriate anesthetic, analogistic, tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or lests were conducted involving accumulating pain or distress to the animals and for which the use of appropriate anesthetic, analysis, or tranquilizing drugs would have advertily affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explenation of	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dcqs					
5. Cats					-
5. Guinea Pigs			ļ		
7. Hamsters		<u></u>			1
8. Racbits					-
9. Non-human Primates		44	9		13
10. Sheep					
11. Piqs .		<u> </u>			
12. Other Farm Animals				<u> </u>	
13. Other Animals				47.	
Pigeons		24		1	24
				194 T	
		■			4

- 1) Prolessionally accopiable standards governing the care, treatment, and use of assingly, including appropriate use of snestnetic, analysis, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by their research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL.  (Chief Executive Officer or Legally Responsible Institutional Official)  (Certify that the above is true, correct, and complete (7 U.S.C. Society 2143)					
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	date signed			

ASSURANCE STATEMENTS

NDU-24-1995 14:27 USDH HERTO HU

This recort is required by law triase creation in the subject to penalties as provided for its Section 2150. Udditional information. Understanding to the subject to penalties as provided for its Section 2150.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 55-R-004-01

FORM APPROVED DMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

University of North Carolina at Chapel Hill Division of Laboratory Animal Medicine CB# 7115 - B12 Berryhill Hall Chapel Hill, NC 27599-7115

REPORTING FACILITY (List all locations where animals were housed or used in actual resignor, lesting, reaching, or experimentation, or held for these purposes. Attach additional sneeds it recessary.)

FACILITY LOCATIONS (Silva)

Dental Rese	earch Center						
REPORT OF ANIMALS USED BY C	A UNCER CONTROL OF	RESEARCH FACILITY	(Attach adicilianus she	טירי לו צלם	*****	ery of USB APHIS FORM 7(073A.)	
Animals Covered By The Animal Wellare Regulations	B. Number all animals being bred, conditioned, or held for use in teaching, tosting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of paintrelieving drugs.	Number of animals which experiments loaching, research surgery, or tests we conducted involving occompanying particles to the unit and for which applanes the fire anight of tranquilizing druggined.	upun rere ng n or inub rapriute sic, ur	E	Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accumpunying pain or distress to the animals and for which the use of appropriate aresthetic, analgesic, or tranquilizing drugs would have adversify affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report.)	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs							
5. Cats							
5. Guinea Pigs					_		
7. Hamsters							
8. Racbis					1		
9. Non-human Primates					-		
10. Sheep					-		
11. Pigs					-		
12. Other Farm Animals							
13. Otier Animals						*	ļ
Ferrets			102	<del>,</del>			102
					_	ga Ba <b>il</b> e	
ASSLIBANCE STATEMENTS							

- 1) Prologionally accopiable standards governing the care, treatment, and use of animals, including approximate use of enesthetic, analysis, and tranquilizing drups, prior to, during, and following actual research, leaching, testing, Surgery, or experimentation were followed by this research leaching.
- 2) Euch principal invistigator has considered alternatives to painful procedures
- This limiting is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Annual Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of unitnose attached.
- 4) The attending veterination for this research taginty has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL  (Chief Executive Officer or Legally Responsible Institutional Official)  (certify that the above is true, correct, and complete (7 U.S.C. Santon 2143)						
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNEO				

NOU-24-1999 14:27 USDA AFRIS AC This report is required by law (1 USDA CHAP). result in an order to enace and desire and to be subject to penalties as provided for its Section 2150.

272 170 nuttempolar lengthboo

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 55-R-004-01 FORM APPROVED OMB NO 0579-0036

ANNUAL	REPORT OF RESEARCH FACILI	TY
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(TYPE OR PRINT)	

Z. HEADQUARTERS RESEARCH FACILITY (Name and Adminus, us registered with USDA inclure Zip Codel

University of North Carolina at Chapel Hill Division of Laboratory Animal Medicine CB# 7115 - B12 Berryhill Hall Chapel Hill, NC 27599-7115

3. REPORTING FACILITY (List ail locations where animals were housed or used in actual resourch, leating, reaching, or experimentation, or held for these purposes. Attach additional Sheels if necessary.) FACILITY LOCATIONS (Silus)

	WAST CONTROL OF	RESEARCH FACILITY	(Allach adicillinnal sheets if no	crystery or uso APHIS FORM 7023A)  - Number of animals upon which teaching,	
Animals Covered By The Animal Wellare Regulations	B. Number of animuls being bred, conditioned, or held for use in teaching, losting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, exportments, or lests were conducted involving no pain, distress, or use of paintrelieving drugs.	Number of animals upon which experiments, leaching, research, surgery, or leats were conducted involving accompanying pain or distress to the unimulated for which appropriate anesthetic, analysis, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accumularing pain or distress to the animals and for which the use of appropriate anesthetic, analigesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, inseruch, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
. Ocqs	15	167	9		176
5. Cats					
i. Guinea Pigs	·				
7. Hamsters					
. Racous					<u> </u>
9. Non-human Primates					
10. Sheep	10	31	18		109
11. Pigs	10	91	10		
12. Other Farm Animals				· ·	
		<b> </b>			
13. Other Animals		<del> </del>		4	
				ga strateg	
		+			

### ASSURANCE STATEMENTS

- Prolessionally acceptable standards governing the care, treatment, and use of assinals, including approximate use of anesthetic, analysis, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, Surgery, or experimentation were followed by this rewarth facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Annual Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of unlimbs affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of san bac size lemme

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL  (Chief Executive Officer or Legally Responsible Institutional Official)  (cartily that the above is true, correct, and complete (7 U.S.C. Section 2143)					
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)				

This report is required by law (1 Upu 2) and common the report in USUM MILLS HU U180-WA-Anoticemal information. result in an order to chase and desist and to be subject to penalties as provided for its Section 2150.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 55-R-004-01 Z. HEADQUARTERS RESEARCH FACILITY (Name and Adminas, as registered with USDA

FORM APPROVED OME NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Codel University of North Carolina at Chapel Hill Division of Laboratory Animal Medicine CB# 7115 - B12 Berryhill Hall Chapel Hill, NC 27599-7115

3. REPORTING FACILITY (List ail locations where animals were housed or used in actual resigners, testing, reaching, or experimentation, or held for these purposes. Attach additional Sheels if necessary.) FACILITY LOCATIONS (Gilus)

McGavran-Greenberg Hall

APPORT OF ANIMALS USED BY O Animals Cuveted By The Animal Wettare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, tosting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, exportments, or leafs were conducted involving no pain, distincts, or use of paintelieving drugs.	O Number of aminals upon which experiments, loaching, research, surgery, or tosts were conducted involving accompanying pain or distress to the aminabal for which appropriate anesthetic, analysis, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accumumlying pain or distress to the animals and for which the use of appropriate electric, analysis, or transmitting drugs would have adversity affected the procedures, results, or interpretation of the teaching, insecurch, experiments, surgery, or tests. (An explenation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report.	F.  TOTAL NO.  OF ANIMAL:  (Cols. C t D + E)
. Dogs					
5. Cats					! <del> </del>
5. Guinea Pigs	·		75		75
7. Hamsters					
8. Racoits		4			4
9. Non-human Primates					
10. Sheep	·				
ii. Pigs					<u></u>
12. Other Farm Animals		<u> </u>			
13. Other Animals					
<u></u>				ge Det	

- 1) Prolessionally accopiable standards governing the care, treatment, and use of animals, including approvate use of anesthetic, analysis, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Euch principal investigator has considered alternatives to painful procedures
- 2) This lacility is adhering to the standards and regulations under the Aqt, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Annual Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of unimals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL  (Chief Executive Officer or Legally Responsible Institutional Official)  (Chief Executive of five, correct, unit complete (7 U.S.C. Section 2143)					
NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE STAD				
	ficer or Legally Responsible Institutional Official) bove is frue, correct, and complete (7 U.S.C. Sm.ton 2143)				

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result in an order to chase and desist and to be subject to penalties as provided for in Section 2150

additional information

P.01/02

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 55-R-004-01 FORM APPROVED OME NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Autrinat, as registered with USDA incluiro Zia Codel

University of North Carolina at Chapel Hill Division of Laboratory Animal Medicine CB# 7115 - B12 Berryhill Hall Chapel Hill, NC 27599-7115

1. REPORTING FACILITY (List all locations where animals were housed or used in actual research, leading, or experimentation, or held for these purposes. Attach additional Sheets if necessary.)

FACILITY LOCATIONS (Gilus)

Mary Ellen Jones Building

(This was previously named the Faculty Labotatory Office Building)

Animais Cuvered By The Animal Wellare Regulations	8. Number of animals being bred, conditioned, or held for use in teaching, tosting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, exportments, or lests were conducted involving no pain, distress, or use of painterieving drugs.	Number of animals upon which experiments, loading, research surgery, or losts were conducted involving accompanying pain or gatress to the unimulated for which appropriate anesthetic, anialogistic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accumularing pain or dito the animals and for which the lise of approallesthetic, analysis, or transplanting drugs with his experiments, analysis, or tests. (An exprending the procedures, resulting procedures, surgery, or tests. (An exprending the procedures in animals and the reasons such drugs were not must be affected to this report).	priste TOTAL NO OF ANIMAL IX, or (Cols. C 1) (note the cols. C 1)
0cqs					
Cats					
i. Guinea Pigs					
'. Hamsters					
B. Racois			15		15
. Non-human Primates				,	
0. Sheep					
il Pigs					
12. Other Farm Animals					
13. Other Animals				i i	
				4	

- 1) Professionally accopiable standards governing thin care, treatment, and use of animals, including approviate use of anesthetic, analysis, and tranquilizing drugs, prior to, during, and following actual research, leaching, lesting, surgery, or experimentation were followed by this insurant lability
- 2) Each principal investigator has considered atternatives to pumble procedures
- 3) This locility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Annual Cure and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of unimals affected.
- 4) The attending veterinarium for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversed the adequacy of other approfis of semmal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)  Learnly that the above is true, correct used complete (7 U.S.C. Santon 2142)					
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED			
·					

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additional information

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

I. REGISTRATION NO.

FORM APPROVED CME NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

55-R-004-01 2. HEADQUARTERS RESEARCH FACILITY (Name and Autrinas, as registered with USDA inclumo Zip Cadel

University of North Carolina at Chapel Hill Division of Laboratory Animal Medicine CB# 7115 - B12 Berryhill Hall Chapel Hill, NC 27599-7115

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, leating, reaching, or experimentation, or held for these purposes. Attach additional Sheets if necessary.)

FACILITY LOCATIONS (Silus) Taylor Hall

Animals Covered By The Animal Wellare Regulations	8. Number of animals being bred, conditioned, or hed for use in teaching, tosting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, appriments, or tests were conducted involving no pain, distinss, or use of painterieving drugs.	Distributed of animals upon which experiments, loading, research surgery, to loats were conducted involving accompanying pain or distributed to the unimab and for which appropriate anesthetic, analysisic, or tranquilizing drugs were used.	E. Number of ammais upon which feaching, experiments, research, surgery or tests were conducted involving accumpanying pain or distress to the animals and for which the use of appropriate enesthetic, analysis, or trainguilizing drugs would have adversity affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these enimals and the reasons such drugs were not used must be attached to this report.	F.  TOTAL NO CF ANIMALS  (Cols. C * D + E)
4 Ocqs					
5 Cats					<u> </u>
5. Guinea Pigs					<u> </u>
7. Hamsters					
8. Racous		23	46		69
9. Non-human Primates					
10. Sheep					
ii. Pigs					-
12. Other Farm Animals					
13. Oticr Animals				1	
Bats		43	10	See Traffic	53
·					<u> </u>

- 1) Prolessionally accopiable standards governing the care, treatment, and use of awnold, including upprovide use of anesthetic, analysis, and tranquilizing drugs, prior to, duffing, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility.
- 7) Euch principal investigator has considered atternatives to pumilial procedures
- 2) This lucility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Annual Cure and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In Juddigin to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of unimals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary cure and to oversee the adequacy of other ascricts of animal care and nee

(Chief Executive Of	HEADQUARTES RESEARCH FACILITY OFFICIAL ficer or Legally Responsible Institutional Official) buyers true, correct, used acceptants (7 U.S.C. Section 2142)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED

NOU-24-1999 14:27 USDE RETUS AC This report is required by law (1 usus 213) result in an order to chase and desert and to be subject to penalties as provided for its Section 2150 result in an order to chase and desert and to be subject to penalties as provided for its Section 2150

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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

I. REGISTRATION NO.

FORM APPROVED QM8 NO 0579-0036

ANNUAL	REPORT OF RES	SEARCH FACILITY
	(TYPE OR PI	RINT)

Thurston-Bowles Building

55-R-004-01

Z. HEADQUARTERS RESEARCH FACILITY (Name and Autross, as registered with USDA incluito Zip Codel

University of North Carolina at Chapel Hill Division of Laboratory Animal Medicine CB# 7115 - B12 Berryhill Hall Chapel Hill, NC 27599-7115

3. REPORTING FACILITY (List ail locations where animals were housed or used in actual resignon, testing, teaching, or experimentation, or held for these purposes. Attach additional Sheets if necessary.) FACILITY LOCATIONS (Gilus)

REPORT OF ANIMALS USED BY ON UNDER CONTROL OF RESEARCH FACILITY (ATION ASSOCIATED BY ON USE OF APHICE FORM 707) E. Number of animals upon which feaching, B. Number of C Number of nuque elemine la radinum 0 experiments, research, surgery or lests were animuls being animats upon שאוכה פאספרווויפוזוה, conducted involving accumpanying pain or distress which leading. ರ್ಶಿಕರ, loaching, research Animais Covered to the animals and for which the use of appropriate TOTAL NO surgery, & losts were conditioned, or research. By The Anumai enesthetic, analgesic, or tranquilizing drugs would CF ANIMALS held for use in experiments, or Wellare Regulations Dirivioris bataubnos have adversity affected the procedures, results, or leaching, losting. ICSIS WEIR accompanying pain or interpretation of the teaching, research, canducted experiments, משוות שתו מו במוומף (Cols. C + D + E) experiments, surgery, or tests. (An explanation of research, or IEACIAIUS 110 and for which appropriate the procedures producing pain or distress in these surgery but not pain, distress, or anasiheric, analgesic, cr animals and the ressure such drugs were not used yet used for such use of paintranquilizing drugs were must be affected to this reports purposes. resieving drugs used. 4 Ocqs Cats 5. Guinea Pigs Hamsters 8. Racous 9. Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Otier Animals 50 Chickens 50

## ASSURANCE STATEMENTS

- 1) Prolectionally acceptable standards governing the care, treatment, and use of animals, including approvate use of anesthetic, analysis, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Euch principal investigator has considered atternatives to painful procedures
- 2) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Annual Cure and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUG-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversed the adequacy of other ascincts of annual care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)  Hearthy that the above is from correct, used complete (7 U.S.C. Section 2142)					
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED			
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See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO 007

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) versity of NC a Charlotte

9201 University City Blvd.

Box 7003

Charlotte, NC 28223

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

### McEniry Building

Colvard Building					
REPORT OF ANIMALS USED BY C	R UNDER CONTROL OF	RESEARCH FACILITY	' (Attach adiditional sheets if neo	cessary or use APHIS FORM 7023A)	·
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquitizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats	<u> </u>	<b>-</b>			<del> </del>
6. Guinea Pigs	<u>'</u>				
7. Hamsters					
8. Rabbits	1		3		4
9. Non-human Primates			<i>-</i>	Pon	
10. Sheep				NOV 9 2 1999	ļ
11. Pigs					
12. Other Farm Animals			E	Y	
13. Other Animals	50	1,000	1,300		2,350
				gar i see	
	+	1			
		<u> </u>			

# **ASSURANCE STATEMENTS**

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquitizing drugs, prior to, during, and following actual research, leaching, lesting, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.

NAL OFFICIAL

- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

OF C.E.O. OF

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

Sae reverse side for additional information. 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

819

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO 10 55-R-010

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Calet Carolina University

Department of Comparative Med, School of Medicine Greenville, NC 27858-4354

Status: Active,

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teac	thing, or experimentation and in these	purposes. Attach additional
	110	
shaels il necossury )	<b></b>	

FACILITY LOCATIONS (Siles) See Attached Department of Psychology School of Medicine

Department of Biology

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACULTY Wates a shifting at the property of the propert	Department of	R INDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional shoels if no	CAUSARY OF USE APHIS FORM 7023A)	
4. Dogs       13         5. Cats       6. Guinca Pigs         7. Hamsters       38       73       73         8. Rabbits       312       312         9. Non-human Primates       2       5       5         10. Sheep       5       5       103         11. Pigs       103       103         12. Othor Farm Animals       17       17         13. Other Animals       6       6	Animals Covered By The Animal	B Number of annuals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such	C Number of animals upon which teaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-	D. Number of animals upon which experiments, teaching, research, surgary, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, enalgesic, or tranquilizing drugs were	E. Number of animals upon which leaching, experiments, research, surgery or lests were conducted involving accompanying pain or distress to the enimals and for which the use of appropriate unesthetic, analysis, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used.	TOTAL NO. OF ANIMALS
5. Cats 6. Guinoa Pigs 7. Hamslers 8. Rabbits 9. Non-human Primates 2 10. Sheep 11. Pigs 12. Othor Farm Animals Cattle 13. Othor Animals Formet 5. Cats 6. Guinoa Pigs 73 73 73 73 73 73 73 73 75 75 75 75 75 75 75 75 76 77 77 77 77 77 77 77 77 77 77 77 77	4. Dogs	13		140		140
7. Hamsters       38       73       73         8. Rabbits       312       312         9. Non-human Primates       2       5       5         10. Sheep       103       103         11. Pigs       103       103         12. Other Farm Animals       17       17         13. Other Animals       6       4       6						
7. Hamslers     30       8. Rabbits     312       9. Non-human Primates     2       10. Sheep     5       11. Pigs     103       12. Other Farm Animals     17       13. Other Animals     6	6. Guinoa Pigs					
8. Rabbits  9. Non-human Primates  2  10. Sheep  11. Pigs  12. Other Farm Animals  Cattle  17  13. Other Animals  Formet  6  6	7. Hamsiers	38		73		73
10. Sheep 5 5 5  11. Pigs 103 103  12. Other Farm Animals 17 17  13. Other Animals 6 6	8. Rabbits			312		312
10. Sheep  11. Pigs  10. Other Farm Animals  Cattle  17. 17. 17. 17. 17. 17. 17. 17. 17. 17.	9. Non-human Primates	2			·	
11. Pigs 12. Other Farm Animals Cattle 17 13. Other Animals Formet 6 6 103	10. Sheep			5		<del></del>
Cattle         17         17           13. Other Animals         6         6         6				103		103
Tattle 17  13. Other Animals 6 6	12. Other Farm Animals		<u> </u>			
Forret 6	Cattle			17		17
	13. Other Animals					-
	Ferret			6		6

## ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal invastigator has considered alternatives to positive procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this animal report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals offected.
- 4) The attending voterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversoe the orioquacy of other astrocks of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL, (Chief Executive Officer or Legally Responsible Institutional Official)    certify that the above is true, correct, and complete (7 U.S.C. Suction 2143)				
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (6)(6)  (6)(7)(C)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Pint)	0ATE SIGNED		

FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolute )

(b)(b), (b)(7)(c)

# **FACILITY SITES LISTING**

55 R 0010

Licensee/Registrant Name: Ea	st Carolina University
License/Registration Number: 55	st Carolina University  -R-010  NOV 9 2 1999
	NUV 9 / WSV
include all requested information	ise regulated animals under the above number. Be sure to If the line does not apply, please mark it N/A. If you have s form as many times as needed before filling in the sites.
Site No.: 1 Name/Department	School of Medicine
Address:	Moye Boulevard, East Carolina University
	Greenville, NC 27858
Building:	Brody Medical Sciences
Floor/Room	Animal Housing on Ground and Seventh Floor; Research
	Laboratories on Floors Three thru Eight
Contact Person:	Phone No.: (b)(6) (b)(7)(c)
Site No.: 2 Name/Department	School of Medicine
Address:	Emergency Drive, East Carolina University
	Greenville, NC 27858
Building:	Life Sciences Building
Floor/Room	Animal Housing on First Floor; Research Laboratories
	on Second Floor
Contact Person:	Phone No. (6) (6) (7) (6)

# FACILITY SITES LISTING

55 R 0010

Licensee/Registrant Name: E	East Carolina University
License/Registration Number:	55-R-010
include all requested information	ouse regulated animals under the above number. Be sure to in. If the line does not apply, please mark it N/A. If you have his form as many times as needed before filling in the sites.
Site No.: 3 Name/Departmen	nt: Biology
Addres	s: East Carolina University
	Greenville, NC 27858
Buildin	g: Howell Science Complex
Floor/Roo	m: First and Third Floors – Animal Housing Facility
Contact Perso	n: Phone No. $(b)(6)$ , $(b)(7)(c)$
Site No.: 4 Name/Departme	nt: Psychology NOV 2. 2, 1999 ss: East Carolina University
	Greenville, NC 27858
Buildir	ng: Ragsdale Annex
Floor/Roo	m: First Floor – Animal Housing Facility and Laboratories
Contact Perso	n: Phone No.: (b)(6), (b)(7)(C)

1. REGISTRATION NO012

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

601 South College Rd.

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA unclude Zip Conteversity of NC a Wilmington

School of Medicine Wilmington, NC 28403

Status: Active

all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional 3. REPORTING FACILITY sheets if necessary.)

FACILITY LOCATIONS (Siles)

Psychology

See Attached

New Science Building

Contor for Marine Science Peccarch

Saline Plant

Potany Ish

REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if ne	cessury or use APHIS FORM 7023A.)	
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analyesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquitizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					-
9. Non-human Primates					
10. Sheep					ļ
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
Voles	120	380			380
				4 F	

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of ammal care and use

(Chief Executive Off	TEADQUARTES RESEARCH FACILITY OFFICIAL  ficer or Legally Responsible Institutional Official)  powers true, correct, and complete (7 U.S.C. Section 2143)	sy 17(C)
SIGNATURE OF C F O OR INSTITUTIONAL OFFICIAL  (b)(b), (b)(7)(C)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Plint)	DATE SIGN

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolute) (b)(6), (b)(7)(C)

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Greer Laboratories, Inc.

P.O. Box 800 School of Medicine Lenoir, NC 28645-0800

Status: Active

(TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

FACILITY LOCATIONS (Siles)

Bldg #3. Animal Facility, Hwy 90 North Lenoir, NC 28645

Bacterial Vaccines Division, 639 NuWay Circle, Lenoir, NC 28645

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (COIS. C + D + E)
4. Dogs					ļ
5. Cats					ļ
6. Guinea Pigs	516	3466			3466
7. Hamsters					
8. Rabbits			37		37
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
					<del> </del>
				44	

## **ASSURANCE STATEMENTS**

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

С	(Chief Executive Officer	OQUARTES RESEARCH FACILITY OFFICIAL (C) (C), (L) or Legally Responsible Institutional Official) True, correct, and complete (7 U.S.C. Section 2143)	(7)(c)
SIGNATURE Q <del>E 0.90. OR INSTITU</del> TIONAL	(b)(7)(c)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	093099

APHIS FORM

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

FORM APPROVED

OMB NO 0579-0036

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRAJION NO 17 S T R OO17

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code):

include Zip Code)
Chemical Industry Inst of Toxicology

P.O. Box 12137

School of Medicine
Research Triangle Pk, NC 27709

Status: Active

8.2.2

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

FACILITY LOCATIONS (Siles)

See Attached

6 Davis Drive

Research Triangle Park, NC 27709

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, ahalgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMAL:  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters	98	234	-		234
8. Rabbits					
9. Non-human Primates					<u> </u>
10. Sheep		- ,			<del> </del>
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
				Control of the Contro	

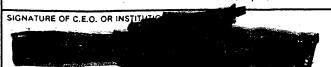
### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The altending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/16/99

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )

(AUG 91) (b)(6), (b)(7)(c)

1. REGISTRATION NO019 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Code) Central Carolina Community College 1105 Kelly Drive

1105 Kelly Drive School of Hedicine Veterinary Medical Sanford NC 27330 Technology

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

mall animals: Central Curolina Community College Science Building / Vet Lab Santond, NC 27338

arge animals: Graster's Farm; 2718 country way; sanford, NC 27330

REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if nee	cessary or use APHIS FORM 7023A.)	
A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or fests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	١	Ð	34	0	34
5. Cats	8	0	26	0	26
6. Guinea Pigs	0	6	0	0	6
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	12	0	12
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	_				_
Cows	0	0	6	0	6
13. Other Animals				ii	
Horses	0	0	5	0	5
				45° " **	

### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the this locality is adhering to the standards and regulations and the committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertrily that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

10/4/99



See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO 021

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code University of NC at Greensboro

Office of Research Services
Room 100 McIver Building
Greensboro, NC 27402-6170

Status: Active

822

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

FACILITY LOCATIONS (Siles)

First Floor Eberhart

See Attached

First Floor Stone

Sixth Floor Eberhart

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquiltzing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats		· · · · · · · · · · · · · · · · · · ·			
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals			-		
13. Other Animals					
				1	

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
  - 2) Each principal investigator has considered alternatives to painful procedures
  - 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
  - 4) The attending vetermanum for this research facility has appropriate authority to ensure the provision of adequate vetermary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL.

(Chief Executive Officer or Legally Responsible Institutional Official)

(Certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE of the 2 OR INSTITUTIONAL OFFICIAL Assumed in the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE: 16D

9/28/99

(AUG 91) (b)(6), (b)(7)(C)

See reverse side for additional information Interagency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO 022

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) horth Carolina A&T State Universit

Lab. Animal Resource Unit

116 Webb Hall Greensboro, NC 27411

Status: Active

DEC 01 km3

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Siles)

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	O. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL  (Cols. C + D + E)
. Dogs	4	2	10	0	12
5. Cats	0	11	0	0	11_
5. Guinea Pigs	15	25	12	0	37
. Hamsters	0	1	0	0	11_
3. Rabbits	0	. 3	11	0	4
). Non-human Primates	0	0	0	0	0
0. Sheep	0	0	-0	0	0
1. Pigs	0	0	3	00	3
Gerbils 2. Øxtexxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	20	24	10	0	34
Ferrets	0	0	1	0	11
13. Other Animals					
				*	

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF STATE OF

(b)(4) (b)(7)(c)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11-30-99

(b)(b), (b)(7

1. REGISTRATION NO026

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Godel Glaxo Wellcome, Inc.

Five Moore Dr.

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Rsch Triangle Pk, NC 27709 Status: Active

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

> FACILITY LOCATIONS (Siles) Cornwallis Road Site Moore Drive Site Toxicology Animal Facility, Central Drug Evaluation Laboratory

Drug Safety Assessment Laboratory

Animal Facility, Research Commons II

A	B. Namber of	C Number of	D. Montaer of Journal's open	E. Norder of animals upon which teaching,	F.
Annah, Covered By Die Annal Wellan: Regulations	amoult bring food, conditioned, or fold for use in four food, feeling, experiments, rowers to in surgery foil not yet and for so, to proposes.	annuls upon which teaching, research, tests were conducted mercular an pain, detects, or use of pains rehewing drups	which experiments, less long, research, surgery, or tests were conducted involving accompanying pain or distress to the annivals, and for whigh appropriate anesthetic, analogue, or francializing drugs were used.	espannents, impairth, surgery or tests were translated involving humaniam, ing pain or distress to the animals and for whigh the use of appropriate anesthetic, analigeset, or transpubling drugs would have adversely after test the procedures, results, or interpretation of the triching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
: Dogs	35	141	26	0	167
o Cats	1	0	84	0	84
5 Gunea Pigs	77	174	10	0	184
7. Hamsters	0	239	215	9	463
6. Aabbits	23	28	10	0	38
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals	0	0	0	0	0
	-				
				·	

- Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquitizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
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- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Learnly that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

1. REGISTRATION NOD27

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Gode) and John & Rossorch Somula

include Zip Professional Lab & Research Servic

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Rt. 1, Box 3AA 116 Webb Hall Corapeake, NC 27926

Status: Active

82

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

FACILITY LOCATIONS (Siles)

BEC 0 1 1999

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach admitted as beets if necessary or use APHIS FORM 7023A. Number of animals upon which teaching, B. Number of C Number of D. Number of animals upon experiments, research, surgery or tests were animals being animals upon which experiments, conducted involving accompanying pain or distress bred. which leaching, Animals Covered teaching, research, conditioned, or to the animals and for which the use of appropriate research, TOTAL NO. By The Animal surgery, or lesis were anesthetic, analgesic, or tranquilizing drugs would Wellare Regulations held for use in experiments, or OF ANIMALS conducted involving teaching, testing, have adversely affected the procedures, results, or tests were accompanying pain or interpretation of the teaching, research, experiments, conducted distress to the animals experiments, surgery, or tests. (An explanation of (Cols. C + D + E) research, or involvina no and for which appropriate surgery but not the procedures producing pain or distress in these pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. 0 Dogs 390 0 0 Cats 0 Guinea Pigs  $\bigcirc$ Hamsters 152 19 O Rabbits 0 D Non-human Primates Sheep Pigs 11. Horses Other Farm Animals 13. Other Animals ()/ )

# ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF CCO OD INSTITUTIONAL DEFICIAL (6)(7)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)

DATE SIGNED

30NOU 99

APHIS FORM 7023 (Replaces VS FORM 18-23 (OCT 88), which is obsolete (AUG 91)

(b)(6), (b)(7)(C)

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO 104

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) university of NC @ Asheville

One University Heights

116 Webb Hall

Asheville, NC 28804

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles) See Attached

Rhoades Science Building

	B. Number of	C Number of-		cessary or use APHIS FORM 7023A.)  E. Number of animals upon which feaching,	F.
A. Animals Covered By The Animal Wellare Regulations	animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain- relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0				
5. Cats	. 0				
6. Guinea Pigs	0				
7. Hamsters	0				
8. Rabbits	0				
9. Non-human Primates	0				
10. Sheep	0				
11. Pigs	0				
12. Other Farm Animals	0				
13. Other Animals frogs	5			·	
fish	132				
snakes	2			řī 7	<u> </u>
rats	1				

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the rms racinty is agrieting to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

10/5/1999

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRASION NO 107 55 ROLO7

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Calar lotte Mecklenburg Hospital Aut

PO Box 32861 116 Webb Hall

Charlotte, NC 28232-2861

DEC 0 1 1999

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

See Attached FACILITY LOCATIONS (Sites)

Carolinas Medical Center Research Facility

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (COIS. C + D + E)
4. Dogs	10		174	·	174
5. Cats	0		0		0
6. Guinea Pigs	0		0		0
7. Hamsters	0		0		0
8. Rabbits	0		40		40
9. Non-human Primates	0		0		0
10. Sheep	2		18		18
11. Pigs	3		137		137
12. Other Farm Animals	0		0		0
13. Other Animals					
Sand Rats	83	12	70	9 32	82
Ferrets	0	4	0	4	4

### SSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11-29-99

FORM 7023 (Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

b)(6),(b)(7)(c)

in in an order to classe and desire the		
UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE	1. REGISTR 55-R-0108	FORM APPROVED OMB NO 0579-0036
ix	2. HEADQUARTERS RESEARCH FACILITY IN INCIDING ZIP	dame and Address, as registered with USDA boratory Systems, Inc.
ANNUAL REPORT OF RESEARCH FALOVI	10 2 199 2 800-12 Capito	la Drive
@1/ BY:	Durham, North Status: Active	Carolina 27709

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

sheets if necessary.) **FACILITY LOCATIONS (Sites)** 

800-12 Capitola Drive, Durham, NC 27709

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic," analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					O
5. Cats					0
6. Guinea Pigs	·				0
7. Hamsters					0
8. Rabbits					0
9. Non-human Primates					0
10. Sheep					0
11. Pigs					0
12. Other Farm Animals					O
13. Other Animals					0
				3	
				eg to it setting to	

# Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

- 2). Each principal investigator has considered alternatives to painful procedures:
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

**APHIS FORM 7023** (AUG 91)

(Replaces VS Flora 18-23 (OCT 88), which is obsolete)

816

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO 109

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. Bayer Corporation, Pharmaceutical

Hwy 70, East P.O. Box 507

Clayton, NC 27520 Status: Active

NOV 1 9 1999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, feeling, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Siles)

See Attached

Aniinals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL:  (Cols. C + D + E)
4. Dogs					
5. Cats	;				
6. Guinea Pigs		3,736		1,984**	5,720
7. Hamsters					
8. Rabbits		5,553			
9. Non-human Primates					
10. Sheep					
11. Pigs				-	
12. Other Farm Animals					
13. Other Animals				ĺ	
				, <b>å</b>	
				**See Attached	

### **ASSURANCE STATEMENTS**

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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Learnity that the above is true, correct, and complete (7 U.S.C. Smition 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/18/99

FORM 7023 (AUG 91)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(Replaces VS FORM 18-23 (OCT 88), which is obsolute )



# Optional Column E Explanation Form

NOV 1 9 1999

ano no	d its use is vo t required as	ended as an aid to con bluntary. Names, add part of an explanation lay persons as well as	resses, protoco n. A Column	ols, veterinary	care programs, and	d the like, are
				· · · · · · · · · · · · · · · · · · ·		
1.	Registratio	n Number:	55-R-0109	<del>1</del>		
2.	Number	1,984	of	animals used	in this study.	
3.	Species (cor	nmon name) <u>guin</u>	ea pigO	f animals used	in this study.	
4.	Explain the	e procedure produci	ng pain and/o	or distress.		
	a. Diphthe intrammethode	eria potency – To uscular and intra ology.	determine venous prod	the anti-dip ucts using n	htheria potenc eutralization	y of
	b. Tetanu (Human	s potency – To qu ) by using neutra	antitate th lization me	e potency of thodology.	Tetanus Immun	e Globulin
						*
re re	lieved. Stat lief would in uestion 6 belo	•	used to deter sults. (For Fed	rmine that pai derally mandate	n and/or distress ed testing, see	
	Administ	ting is mandated ration of anesthere with the outcome	etic, analge	esic, or tra	se Testing Requ nquilizer drugs	irements.
ti	ne Code of F	y, federal regulation ederal Regulations ( APHIS, 9 CFR 113	(CFR) title nu	s procedure? imber and the	Cite the agency, specific section	
A	gency	FDA	CF	R 21 CFR 6	40.100	

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 1. REGISTRAGISON NOT 11

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip 6分付dson College

PO Box 1719 P.O. Box 507 Davidson, NC 28036

Status: Active

959

3. REPORTING FACILIT	TY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for the	se purposes	Attach additional
sheets if necessary.)	·		
	FACILITY LOCATIONS (Siles)		

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.) E. Number of animals upon which teaching. B. Number of C Number of F. D. Number of animals upon experiments, research, surgery or tests were animals being animals upon which experiments. bred. conducted involving accompanying pain or distress which reaching. **Animals Covered** leaching, research, to the animals and for which the use of appropriate conditioned, or TOTAL NO By The Animal research. surgery, or tests were anesthetic, analgesic, or tranquilizing drugs would held for use in Welfare Regulations experiments, or conducted involving OF ANIMALS have adversely affected the procedures, results, or teaching, testing, lesis were accompanying pain or interpretation of the teaching, research, experiments. conducted distress to the animals (Cols. C + D + E) experiments, surgery, or tests. (An explanation of research, or involving no and for which appropriate the procedures producing pain or distress in these surgery but not pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used yel used for such use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. used Dogs Cats Guinea Pigs Hamsters Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals 159 159 Gerbils

# 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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animal care and use		
(Chief Executive Officer or	UARTES RESEARCH FACILITY OFFICIAL  Legally Responsible Institutional Official)  e, correct, and complete (7 USC Section 2143)	(7)(4)
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (6)(6) (6)(7)(C)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)  (b)(6)  (b)(7)(C)	5/21/99

APHIS FORM 7023 (AUG 91)

ASSURANCE STATEMENTS

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 55 BOU3

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

P.O. Box 1326

include Zip Codel Robinson Services, Inc.

P.O. Box 507 Clemmons, NC 27012

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, ter	sting, teaching, or experimentation, or held for these purposes	. Attach additional
chants if passesses \		

FACILITY LOCATIONS (Siles)

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits		33	•		33
9. Non-human Primates					ļ
10. Sheep					ļ
11. Pigs					ļ
12. Other Farm Animals					
13. Other Animals					
				i i	

# Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

THUIONAL OFFICIAL

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Gaston College/Vet Tech Program

201 Highway 321 South

P.O. Box 507 Dallas, NC 28034-1499

OCT 18 3999

Status: Active 3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Facility

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in feaching, festing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or fests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or fests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	0	76	62	0	138
5. Cats	0	52	17	0	6.9
6. Guinea Pigs	0	0	. 8	0	8
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	0	0	0
9. Non-human Primates	0	0	0	0	00
10. Sheep	0 .	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals					
Horse	0	4	1	0	5
13. Other Animals				· .	
				947 - 11 <sup>10</sup> <b>78</b>	
				·	

### **ASSURANCE STATEMENTS**

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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Ecertify that the above is true, correct, and complete (7 U.S.C. Section 2143) (b)/(e) SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) ATE SIGNED 10/6/99

See reverse side for additional information

0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Gaston College/Vet. Tech. Program 201 Highway 321 South PO Box 507, Dallas, NC Status: Active 28034-149

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adictitional sheets if necessary or use this form.) Number of animals upon which teaching, E. D. Number of animals upon experiments, research, surgery or tests were conducted involving accompanying pain or distress animals being animals upon which experiments. which teaching. teaching, research. to the animals and for which the use of appropriate bred. TOTAL NO Animals Covered conditioned, or research. surgery, or tests were anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS By The Animal held for use in experiments, or conducted involving have adversely affected the procedures, results, or Welfare Regulations teaching, lesting, lesis were accompanying pain or interpretation of the teaching, research, conducted distress to the animals experiments, experiments, surgery, or tests. (An explanation of (Cols. C + D + E) research, or involving no and for which appropriate the procedures producing pain or distress in these pain, distress, or animals and the reasons such drugs were not used surgery but not anesthetic, analgesic, or yel used for such use of paintranquilizing drugs were must be attached to this report). 12 &/OR 13. Other purposes. relieving drugs. (List by species) 6 0 6 Cattle

## ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of aniesthetic, analysesic, and tranquilizing drugs, prior to, during and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the this resulty is authernity to the standards and regulations under the not, and it has required that exceptions to the standards and regulations of specified and expended by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, us well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

animal care and use CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type, or Print) SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRAJION NO. 116 55RONG

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code)
Bennet College

900 East Washington Street

P.O. Box-507 C Greensboro, NC 27401-3239

Status: Active

1748

See Attached

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach admittional sheets if necessary or use APHIS FORM 7023A.) Number of animals upon which feaching, F B. Number of C Number of D. Number of animals upon experiments, research, surgery or tests were animals being animals upon which experiments, conducted involving accompanying pain or distress bred. which leaching, **Animals Covered** teaching, research, conditioned, or to the animals and for which the use of appropriate TOTAL NO. research. surgery, or tests were conducted involving By The Animal anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS held for use in experiments, or Welfare Regulations have adversely affected the procedures, results, or teaching, testing, lesis were accompanying pain or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of experiments, conducted distress to the animals (Cols. C + D + E) research, or involvina no and for which appropriate the procedures producing pain or distress in these surgery but not pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. Dogs Cats Guinea Pigs Hamsters 8. Rabbits Non-human Primates Sheep Pigs 12. Other Farm Animals Other Animals

**ASSURANCE STATEMENTS** 

Voles

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of aniesthetic, and gesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

0

2). Each principal investigator has considered alternatives to painful procedures

220

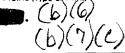
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

## CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

30

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (7)



ACOS.

DATE SIGNED

30

12/1/199

See reverse side for additional information

Interagency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NOCO 31**-**R-0006

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

208

See Attached

Oct. 1,1998 - Sept. 30,1999

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. incluite Zip Codel

Animal Care Program 0263 WO

The University Of Toledo

Toledo, OH-43606

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary )

### FACILITY LOCATIONS (Siles)

# Wolfe Hall Building #0263

3. University Hall Room #1120J (Rats Only)

## University Hall #5500

Animals Covered  By The Animal  Wellare Regulations	B. Number of animals being bred, conditioned, or held for use: io, a teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experimental, with leasts were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research surgery, or tests were accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or fests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0 .	0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	19	11	0	30
8. Rabbits	2	10	8	0	18
9. Non-human Primates	0	8	0	0	8
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals					
maican Fruit Bats	20	4	6	. 0	10
ort tail Fruit Bats	25	4	1	0	5
NTINUED					
ASSURANCE STATEMENTS					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, lesting, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of aminal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licentify that the above is true, correct, and complete (7 U.S.C. Section 2143)

INSTITUTIONAL OFFICIAL

NAME & TITLE OF C E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11-08-99

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in un order to cease and desist and to be subject to penalties as provided for in Section 2150.

See reverse side for additional information.

Interagency Report Control No. 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 31-R-0006

FORM APPROVED OMB NO. 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Oct. 1,1998 - Sept. 30,1999

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

Animal Care Program 0263 WO

The University Of Toledo

Toledo, OH 43606

REPORT OF ANIMALS USED BY OR UNDER CONT	TROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use this form.)

bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such-drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS (Cols. C + D + E)
29	0	1	0	1
0	· 0	5	0	5
0	2	1	0	3
4	0	5	0	5
÷		·		·
5				
10	62	24	0	86
35	212	22	0	234
137	96	0	0	96
	conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.  29  0  0  4	conditioned, or held for use in teaching, testing, experiments, or testis were conducted involving no pain, distress, or use of pain-relieving drugs.  29  0  0  0  2  4  0  10  62  35  212	conditioned, or held for use in leading, testaling, testaling, testing, experiments, or tests were conducted involving no surgery but not yet used for such purposes.  29  0  1  0  0  5  10  4  0  22  1  10  62  24  35  212  22	conditioned or held for use in leaching, testing, experiments, or least were conducted involving no pan, distress, or surgery but not purposes.  29  0  1  0  0  0  5  0  0  1  0  0  0  2  1  0  0  0  0  0  1  0  0  0  0  0  0

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the
  principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In
  addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

# CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

DATE SIGNED

11-08-99

GNATURES (U/C) (C) (C) (C)



See reverse side for additional information.

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

include Zip Code) Gliatech, Inc. 23420 Commerce Park Road

2801 West Bancroft Beachwood, OH 44122

Status: Active

209

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Animal Facility

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred. Conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or fests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats	,				
6. Guinea Pigs					
7. Hamsters					
8. Rabbits			283		283
9. Non-human Primates					
10. Sheep					·
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
		·			

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL.

(Chief Executive Officer or Legally Responsible Institutional Official)

(Chief Executive Officer or Legally Responsible Institutional Officer or Legally Responsible Institut

APHIS FORM 7023 (AUG 91)

(Replaces 18

M/18-23 (OCT 88), which is obsolete )

interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 31-R-0010

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Procter & Gamble Company, The

P. O. Box 538707 Cincinnati, OH

45253-8707 DEC 0 7 1999

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

(see attached)

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquitizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMAL: (Cols. C + D + E)
. Dogs	40	100	55	2	155
5. Cats					
6. Guinea Pigs	34	174	427	0	601
. Hamsters	30	0	31	0	31
B. Rabbits	24	269	32	25	326
. Non-human Primates					
0. Sheep					
11. Pigs (mini)	12	0	177	0	177
12. Other Farm Animals					
13. Other Animals					
ferrets	11	13	97	74	184

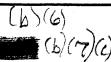
#### **ASSURANCE STATEMENTS**

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of

DATE SIGNED

31 R 0010

### ANNUAL REPORT OF RESEARCH FACILITY

### Additional Sheet

<u>Explanation of Part E</u> - Explanation of animals used in experiments involving pain or distress without use of an anesthetic, analgesic, or tranquilizer.

There are no validated nonanimal alternative procedures for the following animal activities. All testing procedures were reviewed by the attending veterinarian prior to their initiation.

#### #4 - Canines

# Efficacy of Selected Compounds on Cardiac Function in a Canine Model of Heart Disease - 2 Canines

These studies are surgically induced models of heart disease. During the surgical and post-surgical phase the animals receive appropriate amounts of anesthetics and analgesics. During the phase of the study when potential new pharmaceuticals are tested, an occasional animal will manifest symptoms of cardiac distress. The use of analgesics or anesthetics at that phase of the study would interfere with evaluation of the potential new drugs for efficacy in the treatment of heart disease.

#### #8 - Rabbits

### Rabbit Eye Irritation Studies - 25 Rabbits

These investigative studies are designed to look for biomarkers associated with ocular injury that will permit the development of in vitro alternatives. It is necessary that no anesthetics or analgesics be used since their use would interfere in the evaluation of test results. Most materials cause only transient irritation and mild damage to the conjunctiva and/or cornea.

### #13 - Ferrets

## Respiratory Infection Model - 74 Ferrets

This study is designed to evaluate effective drug therapies. The animals experience no pain or mortality. They do, however, show signs of distress for several days in that they develop some malaise, inappetence with slight weight loss, and elevation in body temperature. The use of analgesics would interfere with accurate evaluation of the benefits of new drug therapies.

# 31R0010

31-R-0010

Site: 001 Status: Active Miami Valley Laboratories Buildings 22 & 28

11810 E. Miami River Road Ross, OH 456061

County: Hamilton

Contact Person:

NE

HCRC Vivarium 8700 Mason-Montgomery Road

Mason, OH 45040 County: Warren

Contact Person:

NE

1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Children's Hospital Medical Center

3333 Burnet Avenue 2801 West Bancroft

Cincinnati, OH 45229-2899 Status: Active

NEC 0 1 1989

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

sheets if necessary)				s.	
See Attached		FAC	CILITY LOCATIONS (Siles)		
See Attached					
REPORT OF ANIMALS USED BY C	OR UNDER CONTROL OF	RESEARCH FACILITY	l (Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A.)	
A.  Animals Covered By The Animal Wellare Regulations .	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats	,	i			·
6. Guinea Pigs	77		196	708	904
7. Hamsters					···.
8. Rabbits	76	194	8		202
9. Non-human Primates				·	
10. Sheep			32		32
11. Pigs	5		207		207
12. Other Farm Animals					
13. Other Animals					
19. Other Arithdis					
ASSURANCE STATEMENTS	ll		L		

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, feaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
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(b)(b)	(Chief Executive Office	EADQUARTES RESEARCH FACILITY OFFICIAL cer or Legally Responsible Institutional Official) ove is true, correct, and complete (7 USC Section 2143)
SIGNATURE OF C.E.O. OR INSTITUT	IONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (7)

STITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

## Column E Explanation Form

	2 Explanation Tolk
1.	Registration Number: 31-R-0011
2.	Number 363 of animals used in this study.
3.	Species (common name) <u>quines</u> of animals used in this study. (each specie requires a form)
4.	Explain the procedure producing pain and/or distress.  Animals were inoculated with herpes simplex Virus (HSV).
5.	Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing see question 6 below)  HSV is a neurotropic Virus and therefore the use of pharmacologic agents which may after the function.  I neuronal elements, and therefore viral pathogenesis is minimized during the infection.
6.	What, if any, federal regulations require this procedure? Cite the agency the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):
Age	n.c.v. CFR

Column	E	Exp	lanation	Form
--------	---	-----	----------	------

PF#: 0 1 1999

1.	Registration Number: 31-	R-0011
2.	Number 256	_of animals used in this study.
3.	Species (common name) quinea (each specie requires a form)	of animals used in this study.

4. Explain the procedure producing pain and/or distress.

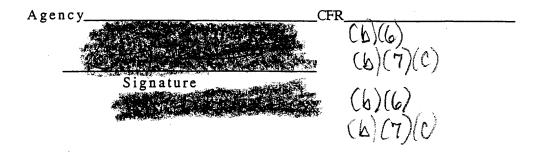
Animals were inoculated with herpes simplex virus

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing see question 6 below)

HSI is a neurotropic virus. Havelove the use of pharmacologic.

How is a neurotropic virus, therefore the use of pharmacologic agents that may alter the function of neuronal elements, wast and therefore viral pathogeneous, is minimized during infection

6. What, if any, federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):



# Column E Explanation Form

1.	Registration Number: 31-R-0011
2.	Number of animals used in this study.
3.	Species (common name) <u>quivea pigs</u> of animals used in this study. (each specie requires a form)
4.	Explain the procedure producing pain and/or distress.  Animals were reacculated with herpes  Simplex virus (HSV).
5.	Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing see question 6 below)  HSV is a neurotropic virus and therefore the use of pharma cologic agents which may a term the fanction of neuron at elements and therefore viral pathogenesis is minimized claring the infection.
6.	What, if any, federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):
A g	encyCFR
	(6)(6) (6)(7)(C)

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRAYION NO 13

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) thildren's Hospital Research Found

. . 1

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

Vivarium

FACILITY LOCATIONS (Sites)

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					0
5. Cats			8		8
6. Guinea Pigs	,		5		5
7. Hamsters					0
8. Rabbits		29		:	29
9. Non-human Primates	41	97	9 `		106
10. Sheep					0
11. Pigs		5	317		322
12. Other Farm Animals				NOV 2 a 1999	
13. Other Animals					
Chinchillas			442		442
ASSURANCE STATEMENTS					

#### SSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL.

(Chief Executive Officer or Legally Responsible Institutional Official)

| Control | Con

SIGNAM C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

"/17/99

DATE SIGNED

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

# 1. REGISTRATION NO.14 IROUL

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) State University, The 313 Reseach Foundation 1960 Kenny Road Columbus, OH 43210-1063 Status: Active

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

See Attached

DEC 0 1 1999

				ARMIC FORM 7023A)	
REPORT OF ANIMALS USED BY OF A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	RESEARCH FACILITY  C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments surgery or tests. (An explanation of	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
		25	590		615
4. Dogs			151		151
5. Cats	1	346	36		382
6. Guinea Pigs	11	340	6		6
7. Hamsters					501
8. Rabbits		6	495		12
9. Non-human Primates		9	3		
10. Sheep		12	20		32
11. Pigs		450	561		1011
					ļ
12. Other Farm Animals Cows		31	50		81
	· ·				
13. Other Animals		26			26
Bats		20	281		281
Chinchillas		1100	281		1122
Ducks		1122			

#### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

OR INSTITUTIONAL OFFICIAL



DATE SIGNED

11-29-99

APHIS FORM

(Replaces VS

T 88), which is obsolete)

I. REGISTRATION NO.

31-R-0014

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) The Chio State University CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

313 Research Foundation

ner. n 1 1999

( TYPE OR PRINT)

1960 Kenny Rd Columbus Óhio 43210-1063

Status: Active

PORT OF ANIMALS USED BY OR  Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgestic, or tranquilizing drugs were	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
(Us) by species)	yet used for such purposes.	relieving drugs.	used.	must be attached to the	
· Other Farm Animals					4
Goats		4	20		72
Horses		34	38		126
Turkeys		126			
3. Other Animals				·	64
Gerbils	108	64			88
Opossums			88		
					1
					1
		÷			+
	+				

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic analysesic, and tranquilizing drugs, prior to, during and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations are the Act, and the Act and th principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, its well as the species and number of animals affected
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary cure and to oversee the adequacy of other aspects at

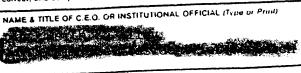
animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF



DATE SIGNED

11-29-99

APHIS FORM 7023A (AUG 91)

PART I HEADQUARTERS

Registered Facility Name: Univer	sity Laboratory Animal Resour	ces
Registration Number: 31-R-0	014	
Please list below all sites that he Be sure to include all requested the line does not apply, please r please copy this form as many t	information. Do not leave a nark it N/A. If you have mo	ny spaces blank. If re than three (3) sites,
Site No.: 1 Name/Department:	Postle Hall	
Address:	305 W. 12th Ave.	(Street Name)
	Cols., OH 43210	(Town/City )
Building:	N/A	
Floor/Room:	0089	
Contact Person:	C6)(G,(b)(?)(e)	Phone No.: (b) (7) (c)
Site No.: 2 Name/Department:	Laboratory Animal Center	
Address:	6089 Godown Rd.	(Street Name)
	Cols., OH 43235	(Town/City )
Building:	Buildings 1,3,4, and 6	
Floor/Room:	. <u>N/A</u>	
Contact Person:		
	(b)(b),(b)(7)(c)	(b)(b),(b)(7)(c)
Site No.: 3 Name/Department:	Marion Campus	
Address:	1465 Mt. Vernon Ave.	(Street Name)
	Marion OH 43302	(Town/City )
Building:	Marrill Hall	
Floor/Room:	390	
Contact Person:	(b)(c), (b)(7)(c)	Phone No. (b) (c) (c)

3120014

Registered Facility Name:	University Laboratory Animal Resources	
Registration Number:	31-R-0014	
Be sure to include all require line does not apply, pl	that house animals under the above regi uested information. Do not leave any spa lease mark it N/A. If you have more that many times as needed before filling in th	aces blank. If n three (3) sites,
Site No.: 4 Name/Departr	ment: Graves Hall	
Ad	ldress: 333 W. 12th Ave.	(Street Name)
	Cols., OH 43210	(Town/City )
Bu	ilding: N/A	
Floor/l	Room: <u>B167</u>	
Contact Pe	erson: $(4)(6)(7)(6)$	e No.: (b)(c),(b) (?)(c)
Site No.: 5 Name/Departr	ment: Wiseman Hall	
Ad	Idress: 400 W. 12th Ave.	(Street Name)
	Cols., OH 43210	(Town/City )
Bu	uilding: N/A	
Floor	Room: 171	
Contact Po	erson: $\frac{(b)(b),(b)(7)(c)}{(b)(6)}$	e No.: (b)(b), (b)(7)(c)
Site No.: 6 Name/Departr	nent: Biological Sciences	
Ac	idress: 484 W 12th Ave.	(Street Name)
÷,	Cols., OH 43210	(Town/City )
	<u> </u>	
Ви	uilding: N/A	
	uilding: N/A Room: 525	
Floor	Room: 525	(b)(c), (b)(7)(c)

Registered Facility Name: Univer	sity Laboratory Animal Resources	
Registration Number: 31-R-0	014	
Be sure to include all requested the line does not apply, please it	ouse animals under the above registrati information. Do not leave any spaces mark it N/A. If you have more than thre times as needed before filling in the site	blank. If ee (3) sites,
Site No.: 7 Name/Department:	Parks Hall	
Address:	500 W 12th Ave.	(Street Name)
	Cols., OH 43210	(Town/City )
Building:	N/A	
Floor/Room:	531	
Contact Person:	(b)(4) (7)(C)	(6)(6), (6)(7)(0)
Site No.: 8 Name/Department:	Goss Laboratory	
Address:	1925 Coffey Rd.	(Street Name)
	Cols., OH 43210	(Town/City )
Building:	N/A	
Floor/Room:	257A and 257B	
Contact Person: 3	(b) (b) (7) (c) Phone No.:	(b)(6), (b)(7)(C)
Site No.: 9 Name/Department:	Sisson Hall	
Address:	1900 Coffey Rd.	(Street Name)
	Cols., OH 43210	(Town/City )
Building:	N/A	
Floor/Room:	A-31	
Contact Person:	Phone No. $(b)(c)$ , $(b)(7)(C)$	Ch)(c), (b)(7)(c)

Registered Facility Name:	Univers	sity Laboratory Animal Resour	ces
Registration Number:	31-R-00	014	
Be sure to include all requeste the line does not apply, pl	uested lease n	ouse animals under the above information. Do not leave a nark it N/A. If you have mon mes as needed before filling	iny spaces blank. If re than three (3) sites,
Site No.: 10 Name/Departn	nent:	Veterinary Hospital	
Ad	ldress:	601 Tharp Street	(Street Name)
		Cols., OH 43210	(Town/City )
Bu	ilding:	N/A	
Floor/f	Room:	0126	
Contact Pe	erson:	(b)(b)(7)(c)	Phone No.: $(b)(6), (4)(7)(c)$
Site No.: 11 Name/Departn	nent:	Ohio Agriculture Research ar	nd Development Center
Address	ldress:	1680 Madison Ave.	(Street Name)
	,	Wooster, OH 44691	(Town/City )
Ви	ilding:	N/A	
Floor/F	Room:	N/A	
Contact Pe	erson:	(b)(6), (b)(7)(c)	Phone No.: $(b)(c)$ , $(b)(7)(c)$
Site No.: 12 Name/Departn	nent:	Botany and Zoology	
Ad	ldress:	1735 Neil Ave.	(Street Name)
		Cols., OH 43210	(Town/City )
Ви	ilding:	N/A	
Floor/F	Room:	181	
Contact Pe	erson:		Phone No.
		(b) (6), (b) (7)(c)	(b)(6), (b)(7)(c)

Registered Facility Name: Univer	sity Laboratory Animal Resources	
Registration Number: 31-R-0	014	
Be sure to include all requested the line does not apply, please it	ouse animals under the above registration information. Do not leave any spaces the mark it N/A. If you have more than three imes as needed before filling in the site.	olank. If e (3) sites,
Site No.: 13 Name/Department:	Alice L. Finley Memorial Center	
Address:	2108 Plain City-Georgesville Rd.	(Street Name)
	West Jefferson, OH 43216	(Town/City )
Building:	N/A	
Floor/Room:	N/A	
Contact Person:	Phone No.	March .
	coled! cole ilet?	(4)(a),(b)(7)(c)
Site No.:Name/Department:		<del></del>
Address:		(Street Name)
		(Town/City )
Building:		<del> </del>
Floor/Room:	V	·
Contact Person:	Phone No.:	
		<del>`</del>
Site No.: Name/Department:		
Address:		(Street Name)
		(Town/City )
Building:		
Floor/Room:		
Contact Person:	Dhana Na .	
001144011 0100111	Phone No.:	

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRAJION MODIO 31 ROOK

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Springborn Laboratories, Inc.

640 N. Elizabeth Street

P.O. Box 143

Spencerville, OH 45887-0143 Status: Active NOV 1 7 1999

223

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

FACILITY LOCATIONS (Siles)

Springborn Laboratories, Inc.

Springborn Laboratories, Inc.

553 N. Broadway, Spencerville, OH 45887

640 N. Elizabeth St., Spencerville, OH 45887

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic_analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F TOTAL NO OF ANIMALS  (COIS. C + D + E)
4. Dogs		382		6	388
5. Cats					
6. Guinea Pigs		4271		8	4279
7. Hamsters		135			135
8. Rabbits	. 2	2317		33	2350
9. Non-human Primates					
10. Sheep		,			
11. Pigs		32			32
12. Other Farm Animals				-	
13. Other Animals					

#### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/15/99

APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolete)

31R0016

# Springborn Laboratories, Inc. (31-R-0016)

NOV 1 7 1989

## Section E.8

Thirty-three rabbits experienced very brief discomfort resulting from test article administration during preclinical toxicology testing. These animals were used on acute dermal toxicity (27 rabbits), and primary eye irritation (6 rabbits) studies. These studies are required by the U.S. EPA Hazard Evaluation Guidelines and the U.S. FDA Guidelines for development of human safety data.

For the primary eye studies, the ocular tissue is not anesthetized since inhibition of the blink and/or tear response may alter the experimental results. In addition, the local anesthetic agents may interact with the test article altering the ocular response. Some local anesthetics can also cause loss of the surface cells of the cornea and delay corneal epithelial regeneration.

The dermal toxicity studies were conducted to monitor several endpoints, including clinical effects, body weight effects, lethality and reversible toxicity. Since lethality and reversible toxicity are specific endpoints in these evaluations, administration of sedatives, tranquilizers and/or analgesics could interfere with these endpoints. If no mortality is produced by administration of a specific dose level, no further testing is required under the guidelines, thus eliminating unnecessary animal testing.

Eight guinea pigs experienced distress following test article administration and were euthanized for humane reasons. Pain-relieving drugs would have interfered with the purpose of the dermal sensitization study required by the FDA Center for Drug Evaluation and Research for development of human safety data.

Six dogs experienced brief discomfort following test substance administration. The discomfort for three of the dogs was minimal and of short duration. The remaining three dogs were euthanized for humane reasons because analgesics would have interfered with the purpose and/or results of the study. The studies were required by the FDA for development of human safety data.

See reverse side lor additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.17 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

unclude Zip Cleveland Clinic Foundation, The 9500 Euclid Avenue

P.O. Box 143

Cleveland, OH 44195 Status: Active

223

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** See Attached NC Building 3rd Floor FF Building 6th Floor off Site Facility (Hiram, OH) L Building 1st Floor

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	30	0	349		349
5. Cats	0	0	0		0
6. Guinea Pigs	0	0	21		21
7. Hamsters	0	0	0		0
8. Rabbits	4	5	165		165
Non-human Primates	0	0	0		0
10. Sheep	7	0	31		31
11. Pigs	13	0	418		418
12. Other Farm Animals	·				
Calves	7	0	36		36
13. Other Animals					
Goats	0	· 0	0		0

#### **ASSURANCE STATEMENTS**

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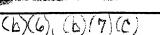
CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED





See reverse side for additional information

NOV Intellagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NOO21 31ROU21

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

include Zip Code) Battelle Memorial Institute

505 King Avenue P.O. Box 143

Columbus, OH 43201 Status: Active

228

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A)

B. Number of M. D. Number of D.

A. Animals Covered By The Animal Wellare Regulations .	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (COIS. C + D + E)
4. Dogs		415	141		556
5. Cats				·	
6. Guinea Pigs	,	190		22	212
7. Hamsters		12			12
8. Rabbits	53	30	727		757
Non-human Primates	16	295	132		427
10. Sheep					
11. Pigs		19	94		113
12. Other Farm Animals					
13. Other Animals					
		· ,			

#### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL
(b)(c)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11-11-99

APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolute

CW(6), (6) (7)(C)

DADT 4 LIEADOUADTEDO

# Optional Column E Explanation Form

This form is intended as an aid to completing the Column E explanation. It is not an official form
and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are
not required as part of an explanation. A Column E explanation must be written so as to be
understood by lay persons as well as scientists.

understood by lay persons as wel	as scientists.	
· . `		
1. Registration Number: 31-	R-0021	
2. Number 22	of animals used in this study.	
3. Species (common name) guir	ea pig of animals used in this study.	
4. Explain the procedure produ	cing pain and/or distress.	
cholinesterase inhibiting intramuscular injection of	re used to determine the relative toxicity of compounds. These animals were tested either by by inhalation of a vapor or particulate material. ner were placed in the unalleviated pain or distress	
relieved. State methods or mea	n why pain and/or distress could not be as used to determine that pain and/or distress esults. (For Federally mandated testing, see	
pain in the post-exposure physiological effects of may act as respiratory decompounds. External stimussociated anxiety. The studies and any subsequen	r tranquilizers could not be used for the relief of phase due to their ability to interfere with the the test article. Anesthetics, analgesics and tranquiliz pressants and could potentiate the toxic action of test uli and manipulation were minimized to decrease any Institutional Animal Care and Use Committee approved thes t protocol amendments. Experienced staff veterinarians tudy conduct and any animal welfare concerns.	
	ns require this procedure? Cite the agency, (CFR) title number and the specific section 3.102):	
Agency	CFR	

1. REGISTRATION NO 023 2 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA,

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Code) Good Samaritan Hospital

Dept. of Medical Research

Cincinnati, OH 45220-2489 Status: Active

230

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs			·		
7. Hamsters					
8. Rabbits	-		21		21
9. Non-human Primates					
10. Sheep					
11. Pigs			18		18
12. Other Farm Animals					
Goats			4		4
13. Other Animals					

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)



DATE SIGNED

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

# 1. REGISTRATION 19025 31R 0025

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code) Mt. Sinai Medical Center

One Mt. Sinai Drive 373 Dixmyth Avenue

Cleveland, OH 44106-4198 - NOV 1 5 1999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, lesting, teaching, or experimentation, or held for these purposes. Attach additional

(TYPE OR PRINT) Status: Active

FACILITY LOCATIONS (Siles) See Attached REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets it necessary or use APHIS FORM 7023A.) Number of E. Number of animals upon which leaching. C Number of D. Number of animals upon F. experiments, research, surgery or lests were animals being animals upon which experiments, **Animals Covered** bred. which leaching, conducted involving accompanying pain or distress leaching, research, conditioned, or to the animals and for which the use of appropriate By The Animal research. TOTAL NO. surgery, or lesis were Welfare Regulations held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would conducted involving OF ANIMALS teaching, testing, lesis were have adversely affected the procedures, results, or accompanying pain or experiments, interpretation of the leaching, research, conducted distress to the animals research, or involving no experiments, surgery, or tests. (An explanation of (Cols. C + D + E) and for which appropriate surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were purposes. must be attached to this report). relieving drugs. 4. Dogs 0 Cats Guinea Pigs 7. Hamsters 10 10 Rabbits Non-human Primates 10. Sheep 11. Pigs // 12. Other Farm Animals 13. Other Animals \_\_\_

### ASSURANCE STATEMENTS

sheets if necessary.)

- Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)



DATE SIGNED

10-27-99

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

# 1. REGISTRATION NOOZE 31ROCE

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Bowling Green State University

106 University Hall 375 Dixmyth Avenue

Bowling Green, OH 43403-0180 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

See Attached Bowling Green State University Life Science Annex

REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	, 0	0	0	0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	6	6	0	0	0
Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals	0	0	0	0	0
ASSURANCE STATEMENTS					

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of anunal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143) C.E.O. OR INSTITUTIONAL OFFICIAL



DATE SIGNED

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION 19027 31R0027

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Gnttversity of Cincinnati

Research & Advanced Studies
P.O. Box 210627
Cincinnati, OH 45221-0627
Status: Active

3

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

FACILITY LOCATIONS (Siles)

See Attached

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs			24		24
5. Cats			6		- 6
6. Guinea Pigs	•	6	111		117_
7. Hamsters		180	491		671
8. Rabbits		20	54		74
9. Non-human Primates					
10. Sheep			24		24
11. Pigs		7	247		254
12. Other Farm Animals Co	ws		2		2
Turkeys			6		6
13. Other Animals					
Pigeons		•	8		8
				NOV 2.9 1999	

1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures.

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Ecertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

IGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/19/99

APHIS FORM 7023 (AUG 91)

**ASSURANCE STATEMENTS** 

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

(b(c), (a)(7)(6)

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION 19028 31R OO2

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Western Reserve University

10900 Euclid Avenue

Status: Active

P.O. Box 210627 Cleveland, OH 44106-4925

NOV 2.9 1953

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)

See Attached Case Western Reserve University

School Of Medicine - ARC

MetroHealth Medical Center Rammelkamp 5th Fl.

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	(Attach adiditional sheets if new D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic; analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	43	24	205	0	229
5. Cats	14	9	97	0	106
6. Guinea Pigs	21	414	16	0	530
7. Hamsters	141	101	87	0	185
8. Rabbits	90	445	496	0	941
Non-human Primates	0	0	0	0	0
10. Sheep	0	2	9	0	11
11. Pigs	7	0	249	0	249
12. Other Farm Animals					
13. Other Animals					
Ferrets	0	0	39	0	39
Prairie Dog	0	0	1	0	1
Gerbils	12	0	116	0	116

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

C.E.O. OR INSTITUTIONAL OFFICIAL



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL CAMP

DATE SIGNED

4-17-89

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )

(b)(6), (b)(1)(c)

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to coase and desist and to be subject to ponalties as provided for in Section 2150. See reverse side lor additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NOO29

FORM APPROVED OMB NO 0579-0036

# ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

Include Zip Code) University Office of the President

P.O. Box 210627 Oxford, OH 45056

Status: Active

235

3. REPORTING FACILITY (List all locations where animals were housed or used in actual resilierch, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles) See Attached

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Allach admillional sheets if necessary or use APHIS FORM 7023A.) E. Number of animals upon which leaching, C Number of Number of Number of animals upon experiments, research, surgery or tests were which experiments, animals being animals upon conducted involving accompanying pain or distress which leaching. teaching, research, surgery, or tests were bred. to the animals and for which the use of appropriate Anunals Covered TOTAL NO conditioned, or research, By The Animal unesthetic, analgesic, or tranquilizing drugs would OF ANIMALS held for use in experiments, or conducted involving have adversely affected the procedures, results, or Wellace Regulations teaching, testing, lests ward accompanying pain or interpretation of the leaching, research, conducted experiments, distress to the animals experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in those (Cols. C + D + E) and for which appropriate research, or on pnivlovni surgery but not pain, distress, or anesthetic, analgesic, ur animals and the reasons such drugs were not used yel used for such use of paintranquilizing drugs were must be attached to this report). purposes relieving drugs used 4. Dogs Cals 4 **Guinea Pigs** Hamsters 67 67 17 Rabbits Non-human Primates 10. Sheep 11. Pigs

ASSURANCE STATEMENTS

12. Other Farm Animals

13. Other Animals

House Mice

Pine Voles

Meadow Voles

- Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of aniesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or exportmentation were followed by this research facility
- ?) Each principal investigator has considered alternatives to painful procedures

95

- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending votorinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
One to the transfer of the tra
(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

528

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NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

(AUG 91)

S FORM 18-23 (OCT 88), which is obsolute

528

800

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ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.30 3

R002

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Kent State University

Division of Research & Grad. 1335-Terrance Hatt- 191 MACC Annex

Kent, OH 44242-0001

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

Kent Hall

McGilvrey Hall

DEC 0 1 1990

Cunningham Hall

Cunningham Hail	UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if ned	cessary or use APHIS FORM 7023A.)	
Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
1. Dogs	0_		2		2
5. Cats					
5. Guinea Pigs					ļ
7. Hamsters	0	450			450
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs	0		7		7
12. Other Farm Animals					-
13. Other Animals Gerbi	1 0	40			40
Marmoset	0	92			92
Rhesus	0	6			6
Deer Mouse	0		31		31

#### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/29/99

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRAY POR 19032 31R 0032

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Gode) ancer Research Center, Inc

4100 S. Kettering Boulevard

1335 Terrance Hall Dayton, OH 45439-2092

Status: Active

.30

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM 7023A) Number of animals upon which teaching, Number of C. Number of D. Number of animals upon experiments, research, surgery or tests were animals being animals upon which experiments, conducted involving accompanying pain or distress bred, which leaching, Animals Covered teaching, research, to the animals and for which the use of appropriate TOTAL NO. research. conditioned, or By The Animal surgery, or tests were anesthetic, analgesic, or tranquilizing drugs would held for use in experiments, or OF ANIMALS Welfare Regulations conducted involving have adversely affected the procedures, results, or teaching, testing, accompanying pain or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of experiments, conducted distress to the animals research, or (Cols. C + D + E) on pnivlovni and for which appropriate the procedures producing pain or distress in these surgery but not pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used vet used for such use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. Dogs Cats Guinea Pigs 7. Hamsters 8. Rabbits Non-human Primates 10. Sheep 11. Pias 12. Other Farm Animals 13. Other Animals

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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(Chief Executive Officer or	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) le, correct, and complete (7 USC Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (6)(6) (b)(7)(c)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Prior).  (b) (6)  (c)	10-25-99

**ASSURANCE STATEMENTS** 

1. REGISTRATION NO.33 31R0032

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
AKTON City Hospital Campus

Research Administration 5 525 E. Market Street

Akron, OH 44304 Status: Active DEC 0 1 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM 7023A.) Number of animals upon which feaching, B. Number of C Number of D. Number of animals upon experiments, research, surgery or tests were animals being animals upon which experiments, conducted involving accompanying pain or distress which leaching, bred. teaching, research, **Animals Covered** to the animals and for which the use of appropriate TOTAL NO. conditioned, or By The Animal research. surgery, or lests were anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS held for use in experiments, or Welfare Regulations conducted involving have adversely affected the procedures, results, or interpretation of the teaching, research. teaching, testing, lesis were accompanying pain or experiments, conducted distress to the animals experiments, surgery, or tests. (An explanation of (Cols. C + D + E) research, or involving no and for which appropriate the procedures producing pain or distress in these surgery but not pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. used 65 0 0 0 65 4. Dogs 0 0 0 0 0 Cats 0 0 0 0 0 Guinea Pigs 0 0 0 0 0 Hamsters 0 6 4 0 6 8. Rabbits 0 0 0 0 0 Non-human Primates 0 0 0 0 0 10. Sheep 0 70 70 2 0 11. Pigs 0 0 0 0 0 12. Other Farm Animals 13. Other Animals 6 0 oʻ 6 0 Rats

#### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(b)(6) (b)(7)(c) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Phill)

DATE SIGNED

11/24/99

#### PACILITY SITES LISTING

DEC 0 1 1999

Licensee/Registrant Name: Akro	on City Hospital/Surgical Research Facility
License/Registration Number: 31	I-R-0033
sure to include all requested in	house regulated animals under the above number. Be formation. If the line does not apply, please mark tree (3) sites copy this form as many times as needed
Site No.: 1 Name/Department:	Akron City Hospital Campus/Surgical Research Facilit
Address:	525 East market street
	Akron, OH 44309
Building:	Administration Building
Floor/Room:	5th floor
. Contact Person:	(b)(b)(b)(7)(c) (b)(b)(c)(c)
Site No.: 2 Name/Department:	North Eastern Ohio Universities College of Medicine
Address:	4209 State Route 44
	Rootstown, OH 44272
Building:	Department of Comparative Medicine
Floor/Room:	
Contact Person	(b)(6), (b)(7)(c) .Phone No.: (b)(6), (b)(7)(c)
Site No.: Name/Department:	
Address:	
Building:	
Floor/Room:	
Contact Person:	Phone No.:

See reverse side for

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

(TYPE OR PRINT)

1. REGISTRAJPN 10034 31R 003

FORM APPROVED OMB NO. 0579-0036

include Zip Code) Ethicon Endo-Surgery, Inc. ٠,٠ Surgical Research/Development ANNUAL REPORT OF RESEARCH FACILITY

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

4545 Creek Road

Cincinnati, OH 45242

Status: Active

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles) See Attached

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic; analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4 Dogs	19		14		14
5. Cats					
6. Guinea Pigs	•				
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep			8		8
11. Pigs	44		1735		1735
12. Other Farm Animals					
Goats	40		38		38
13. Other Animals					

#### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is trie, correct, and complete (7 U.S.C. Section 2143)

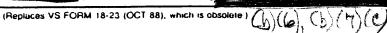
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

**APHIS FORM 7023** (AUG 91)



1. REGISTRATION NO.38

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and include Zip Code) Shriners Hospital for Childr

Status: Active

Mare as as regulated en MANA SOV

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3229 Burnet Avenue 4545 Creek Road Cincinnati, OH 45229-3095

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

See Attached

A	B. Number of	C Number of	D. Number of animals upon	cessary or use APHIS FORM 7023A)  E. Number of animals upon which teaching.	T =
Animals Covered By The Animal Wellare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMAL  (Cols. C D + E)
4. Dogs		1111111			·
5. Cats					
6. Guinea Pigs			95		95
7. Hamsters					
8. Rabbits					
9. Non-human Primates				·	
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional ()fficial)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(AUG 91)

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

(TYPE OR PRINT)

1. REGISTRATION NO. 31-R-0040

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Code)

Ohio Northern University ANNUAL REPORT OF RESEARCH FACILITY 525 South Main Street Ada, OH 45810

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary )

#### FACILITY LOCATIONS (Siles)

#### 1. Raabe College of Pharmacy

2. Dept. of Biological Sciences

#### 3. Dept. of Psychology

REPORT OF ANIMALS USED BY C			(Attach adiditional sheets if ne	cussury or use APHIS FORM 7023A.)	
Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or fests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMAL:  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
Deer Mice		250	50		
	·				

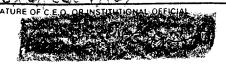
#### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, freatment, and use of animals, including appropriate use of anesthetic, analgesic, and franquilizing drugs, prior 10, during. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) Contract Contract



ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) College of OH

DLAM HE 12

Status: Active

3055 Arlington Ave Toledo, OH 43614-5806

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

See Attached

Health Education/Block Health Science Buildings

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	6	0	4	0	4
5. Cats	0	0	55_	0	5
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	9	0_	257	0	257
8. Rabbits	0	2	0	0	2
9. Non-human Primates	0	0	3	. 0	3
10. Sheep	0	0	0	. 0	c
11. Pigs	0	0	31	0	31
12. Other Farm Animals	0	0	0	0	С
13. Other Animals	0	0	0	0	C

#### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

This report is required by law (\*USC 2143). Failure to report according to the regulations can result to an Order to cease and deast and to be subject to penalties as provided for in Section 2150.

See veverse side for additional information 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 31-R-0049

FORM APPROVED
OMB NO 0579-0036

 HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. Include Zip Code)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) Ohio Wesleyan University 61 South Sandusky Street Delaware, OH 43015

DEC 0 1 1999

2. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach adultional sheets it recessary.)

FACILITY LOCATIONS (Shee)

Phillips Hall, Rooms 07 and 12

Anumats Covered By The Animal Welfare Regulations	8. Number of paints being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of issinhab upon which readhing, research, experiments, or 1951s while conducted anualising no pain, distress, or use of pain telleving drugs.	Mach subdented shoots if he D. Number of amounts upon which experiments, leaching, research, surgery, or rests were conducted involving accompanying pain or distress to the animals and to which appropriate anesthetic, analysis, or tranquilizing drups were used.	E. Number of animals upon which teaching, experiments, research, surgery or lests were conducted involving accompanying pain or distress to the unimals and los which the use of appropriate anesthetic, analysist, or tranquiscing things would have advarially affected the procedures, results, or interpretation of the teaching, treaters, the appropriate of the procedures of the procedures.	F.  TOTAL NO OF ANIMAL:  (Cols. C 1 D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					<u> </u>
7. Hamsters					ļ
8. Rabbits					<u> </u>
9. Non-human Primates	0	5	0	0.	5
10. Sheep					
11, Pigs	<u> </u>				<del> </del>
12. Other Farm Animals					
13. Other Animals					
					<del> </del> -
	<del> </del>				

- 1) Protestionally acceptable standards governing the case, treatment, and use of animals, including approvale use of anesthetic, analysist, and tranquishing drugs, pror to, during, and following actual research, teaching, lealing, switchy, or experimentation were followed by this research taginty.
- 2) Each principal investigator has opisidered alternatives to patrilla procedures
- This faculty is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explanned by the principal investigator and approved by the institutional Animal Core and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-opproved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of unitsuit; affected
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CERTUM CATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL.  CERTUM CATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL.  CERTUM CATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL.  Control of the Johnson is true, otherest, and complete (7 USC Section 2143)							
	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Prun)	DATE SIGNED					
		11-30-99					

APHIS FORM 7023 (AUG 91) E VS FORM 18-23 (OCT 88), which is obsolute )

(b)(a) (b)(n)(c)

(b)(a)(c)(c)

See reverse side for additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION 19053 31尺0053

FORM APPROVED OMB NO: 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Hiram College

Hinsdale Hall P.O. Box 1838 Hiram, OH 44234

Status: Active

ANNUAL REPORT OF RESEARCH FACILITY	,
(TYPE OR PRINT)	

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites) See Attached Psychology Department

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO OF ANIMALS  (COIS. C + D + E)
4. Dogs	0	O	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	0	0	0
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	O	0	0
13. Other Animals	0	0	0	0	б

### ASSURANCE STATEMENTS

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- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Ecertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

TUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

WW. Ch



additional information

GING-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

34-R-54 31-R-1054

FORM APPROVED OMB NO 0579-0038

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA.

## ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) \* 742

The College of Wooster

Psychology Department FC 0 2 1999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual rescurch, testing, reaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Siles)

KAUKE Room 42 (home colony room for primates)

Kauke Room 29 (rat room)

Kauke Room 29 (experimental testing room)

Animals Covered By The Animal Wellare Regulations	8. Number of annuals being bred; conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, appenments, or lasts were conducted modiving no pain, distress, or use of pain-reflexing drugs.	D. Number of animals upon which experiments, leaching, research, Surgery, or lests were conducted unobying accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, to transpulsiting drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving occompunying poin or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in those animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats				·	
6. Gumea Pigs					
7. Hamsters	,				
8. Rabbits					
9. Non-human Primates	0	6	0	0	6
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals (rats)	0	15	0	0	15
		· · · · · · · · · · · · · · · · · · ·			
			11		

### 1) Professionally acceptable standards governing the care, treatment, and use of annuals, including appropriate use of anesthetic, analysis, and tranquitizing drugs, prior to, during, and following actual research, leaching, testing, surjery, or experimentation were followed by this research faculty

2). Each principal investigator has considered alternatives to painful procedures

- 3) This facility is adhering to the standards and regulations winder the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL.  (Chief Executive Officer or Legally Responsible Institutional Official)  1 County (that the above is true, coursel, and complete (7 USC Section 2143)							
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (7) per of Prints	DATE SIGNED					
	College of Wooster	12/1/99					

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolute) (り)(ら), (以)(7)(こ)

See reverse side for additional information Olso-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 3 1-R-54 31R005

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code

> The College of Wooster Biology Department - Mateer Hall 931 College St. Wooster, Ohio 44691

3. REPORTING FACILITY (List all locations where hismails were housed or used in actual rescurch, lesting, reaching, or experimentation, or held for these purposes. Attach additional sheets if necessary )

FACILITY LOCATIONS (Siles)

Mateer Hall - Room 207

Mateer Hall - Room 203

Mateer Hall - Room 212

A. Animals Covered	8. Number of annals being bred.	C Number of animals upon	D. Number of aminals upon which experiments,	E. Number of Animals upon which reaching, experiments, research, surgery or tests were	ε.
By The Animal  Welfare Regulations	conditioned, or held for use in feaching, testing, experiments, research, or surgery but not yet used for such purposes.	which leaching, research, appenments, or lests were conducted myolving no pain, distress, or use of pain, relieving drugs.	teaching, research, surgery, or tests were conducted involving accompanying paid or distress to the animals and for which appropriate innesthetic, anagesic, or tranquitizing drugs were used.	conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	0	0	5	0	5
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					· .
13. Other Animals					
Rats	0	0	124	0	124
Mice	0	- 0	72	0	72
•			-1.1		

- 1) Professionally acceptable standards governing the care, treatment, and use of annihils, including appropriate use of anesthetic, analogistic, and tranquitizing driegs, prior te, during, and following actual research, leaching, testing, surjety, or experimentation were followed by this research lacuity.
- 2). Each principal investigator has considered alternatives to painful procedures
- It is famility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I correly that the above is less, energy, and complete (7 U.S.C. Seithers 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91)

See reverse side for additional information Interagency Report Courtol No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 31-R-0058

FORM APEROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include 7in Code)

include Zip Code)
Cleveland State University
Research & Economic Development
1983 East 24th Street
Cleveland, OH 44115
Status: Active

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A) E. Number of animals upon which teaching, B. Number of C Number of D. Number of animals upon experiments, research, surgery or tests were animals being animals upon which experiments, conducted involving accompanying pain or distress which leaching, bred. Animals Covered teaching, research, conditioned, or to the animals and for which the use of appropriate research, TOTAL NO. By The Animal surgery, or lesis were held for use in anesthetic, analgesic, or tranquilizing drugs would Wellare Regulations experiments, or OF ANIMALS conducted involving teaching, lesting, lests were have adversely affected the procedures, results, or accompanying pain or experiments. conducted interpretation of the teaching, research, distress to the animals experiments, surgery, or tests. (An explanation of (Cols. C + D + E) research, or involving no and for which appropriate surgery but not the procedures producing pain or distress in these pain, distress, or anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. used. Dogs Cats Guinea Pigs Hamsters Rabbits 0 Non-human Primates Sheep Pigs 11. 12. Other Farm Animals 13. Other Animals 6 Gerbils 4 5 Chinchillas

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/12/99

APHIS FORM 7023 (AUG 91)

**ASSURANCE STATEMENTS** 

See reverse side for additional information

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO 31-R-0059

include Zip Cade)

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Milacron, Inc. 3000 Disney Street Cincinnati, Ohio 45209

007 | 3 1.Spb

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

See Attached

Milacron, Incorporated, Cimcool Laboratory

3000 Disney Street, Cincinnati, Ohio 45209

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, feaching, research, surgery, or fests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or fests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO OF ANIMAL  (Cols. C D + E)
4. Dogs					
5. Cats	,				
6. Guinea Pigs	18	344	129	-0-	473
7. Hamsters			A		
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11 Pigs					
12. Other Farm Animals					
13. Other Animals					
	·				

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annmal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

Milacron, Inc.

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

(AUG 91)

See reverse side for additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.61

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code). St. Vincent Mercy Medical Center

2213 Cherry Street 1983 East 24th Street Toledo, OH 43608 Status: Active

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

See Attached

Douglass Research Facility

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred. conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (COIS. C + D + E)
4. Dogs					
5. Cats	,		5		5
6. Guinea Pigs	<i>'</i>				
7. Hamsters				1944	
8. Rabbits					
9. Non-human Primates					ļ
10. Sheep					
11. Pigs	1		51		5.1
12. Other Farm Animals					
13. Other Animals					
					1

### SSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

9/20/99

APHIS COLUMN OLD Staces VS FORM 18-23 (OCT 88), which is obsolete (AUG 91)

See reverse side for

Interagency Report Control No 0180-DOA-AN

additional information

See Attached

ANIMAL AND PLANT HEALTH INSPECTION SERVICE

UNITED STATES DEPARTMENT OF AGRICULTURE

## ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

October 1, 1998 - September 30, 199

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Meridia Huron Hospital

13951 Terrace Road 1983 East 24th Street East Cleveland, OH 44112

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM 7023A) E. Number of animals upon which teaching, B. Number of C Number of D. Number of animals upon experiments, research, surgery or tests were animals being animals upon which experiments, conducted involving accompanying pain or distress which leaching, **Animals Covered** bred. teaching, research, conditioned, or to the animals and for which the use of appropriate TOTAL NO. By The Animal research. surgery, or lests were anesthetic, analgesic, or tranquilizing drugs would held for use in OF ANIMALS Welfare Regulations experiments, or conducted involving have adversely affected the procedures, results, or teaching, testing, lests were accompanying pain or experiments, interpretation of the teaching, research, conducted distress to the animals experiments, surgery, or tests. (An explanation of (Cols. C + D + E) research, or involving no and for which appropriate the procedures producing pain or distress in these surgery but not pain, distress, or anesthetic, analgesic, or yel used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs used 5 0 5 0 Dogs 0 O 0 0 0 Cats 0 0 0 0 Guinea Pigs 0 0 0 0 0 Hamsters 0 0 0 0 0 Rabbits 0 0 0 0 Non-human Primates 0 0 0 0 0 10. Sheep 0 0 0 0 0 11. Pigs 0 0 0 0 0 12. Other Farm Animals 0 0 0 0 0 13. Other Animals ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, freatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during. and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

(Chief Executive Officer of	QUARTES RESEARCH FACILITY OFFICIAL or Legally Responsible Institutional Official) (6), (6), (6), (6), (7), (7), (8), (9), (9), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10), (10),	X7)(C)
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)	DATE SIGNED
		9/20/99
No.	CLITCE (12)(9)(0)	

**APHIS FORM 7023** (AUG 91)

NOV-24-1999 12:02 USIA APHIS AC result in un order to cease and desist and to be subject to penalties as provided for in Section 2150

additional information

2. HEADQUARTERS RESEARCH FACILITY (Hamo and Address, 42 registered with USDA

919 716 5696 P.05/07

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO

31-R-0066

DeBartolo Hall'

FORM APPROVED CMB NO 0579-0035

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Code

Youngstown State University

One University Plaza

Youngstown, OH 44555

DEC 0 1 1999

3. REPORTING FACILITY (List will locations where animals were howsed or used in actual remarch, testing, leaching, or experimentation, or hold for these purposes. Attach additional Sheets II necessary ) FACILITY LOCATIONS (SIDE)

Cushwa Hall

TOTAL NO DE ANIMAL OF COIS. C OF COIS. C OF COIS. C	E. Number of animals upon which leaching, experiments, respanse, surgery or feats were conducted alrohing accompanying pain or distrinst to the animals and for which the use of appropriate enesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or immerpretation of the traching, research, experiments, surgery, or lests. If in explanation of the procedures producing pain or distress in these enimets and the reasons such drugs were not used must be attached to this report).	w of animals upon  supprintents,  ng, necenth,  y, Or lesis were  cled insulving  panying pan or  a to the animals  y which appropriate  effic, analgasic, or  ilizing drugs were	Number of animals upon which leaching, research, experishents, or rests were conducted involving to pain, distress, or use of pain-relieving drugs.	B. Number of animals being bred, conditioned, or held for use in teaching, lasting, experiments, research, or Surgery but not yet used for such purposes.	Animals Covered By The Animol Welfere Regulations
				0	4. Dogs
				0	5. Cats
				0	6. Guinea Pigs
				0	7. Hamsters
				, 0	B. Aabbits
				0	). Non-human Primates
				0	0. Sheep
				0	1. Pigs
				0	12. Other Farm Animals
	-			0	3. Other Animals

- 1) Professionally acceptable standards governing the care, treatment, and use of animats, including approvide use of anesthetic, analysis, and trunquitizing drugs, prior to, during, and following actual research, leaching, testing, sergery, or experimentation were followed by this research leadily
- 2) Each principal investigator has considered offernatives to painful procedures
- 3) This facility is adhering to the standards and regulations witter the Act, and it has remired that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Usu Committee (IACUC). A summary of all such exceptions is all achied to this animal report. In addition to identifying the IACUC approved exceptions, this summary includes a birel explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterination for this resourch facility has appropriate authority to ensure the provision of adoquate veterinary care and to oversee the adequacy of other aspects of anneal date and use

	(Chief Executive Officer of	QUARTES RESEARCH FACILITY OFFICIAL.  r Legally Responsible Institutional Official)  rm. correct, and campining USC Section 2143)	
SIGNATU		NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
			11/29/99
APHIS FORM 7025 (RECAUGE 91)	(6)(7)(0)	absolute 1 (b)(6),(b)(7)(C)	

NOV-04-1999 12:02

USDA APHIS AC

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY ( TYPE OR PRINT)

I. REGISTRATION NO. 31-R-0066

include Zip Codel

919 716 5696 P.06/07

OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Namio and Address, as registered with USDA DEC 0 1 1999

Youngstown State University One University Plaza Youngstown, OH 44555

	EPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Affach attaitisonal states of recostant of vice interface).								
Anamais Covered By The Animal Whitare Regulations  12 &/OP 13 Other (USI by Spocies)	S UNDER CUNTRICL OF Shumber of Shuntals Deing braid, conditioned, or held für use in leaching, testing, experiments, respirch, or surgery but no: yet used for such purposes	C Number of paintain upon which resching, research, esperiments, or tests werk conducted invitiving no pain, distress, in use of paint relieving drugs.	Distriction of unimals upon which experiments leaching, research surject, or leads were conducted involving accompanying pain or districts to the animals and the which appropriate area thatic, analysish, or transportation of transportation drugs were	E Number of similarly ages, which feaching, in appointments, residently, suggery or lests were conducted involving accompanying date to the similar which the use of dispropriate arestment, analyzist, or transportantly drugs would have adversely affected the procedures, results, or interpretational line feaching, research, or interpretational line feaching, research, assumether of the procedures producing dome or distincts in these animals and the transfer such though were not used must be affacted to this report).	TOTAL NO OF ANIMAL (COIS. C O + E)				
None									
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- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approximate use of animals animals including approximate use of animals animals animals animals and the research facility and following actual research leaching, festing surgery, or experimentation with followed by this research facility.
- 2) Each principal investigator has considered attenuatives to (territol procedures

(AUG 91)

- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions is attached to this annual report of principal undergoter and approved by the institutional Annual Care and Use Committee (IACUG). A summary of all such exceptions is attached to the annual report of admittee of annual report of admittee of annual safected addition to chemistrying the IACUG approved exceptions, this summary includes a large application of the exceptions.
- 4) The intentions retaining retaining the this insearch facility has allumprious authority to ensure the provision of adequate retrining care on the coverage the adequate of other aspects.

(A) Fig. at femiliary versions of the control of th	CERTIFICATION BY HEADO	QUARTES RESEARCH FACH.ITY OFFICIAL Lagally Responsible Institutional Official) ve. correct, and compete (2 u.S.C. Section 214.)	
SIC		NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Team or Print)	DATE SIGNED
	material to the second		11/29/99
*A TOP OF THE PROPERTY OF THE			

(b)(6), (b)(7)(c)

WART! HEADQUAPTERS

See reverse side for additional information.

Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

31R0067

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code) Cuyahoga Community College 11000 Pleasant Valley Road

1983 East 24th Street Parma, OH 44130-5199 Status: Active

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM 7023A.) Number of animals upon which teaching, experiments, research, surgery or tests were D. Number of animals upon C Number of B. Number of animals upon which experiments, conducted involving accompanying pain or distress animals being to the animals and for which the use of appropriate TOTAL NO which leaching. teaching, research, bred. **Animals Covered** surgery, or lests were anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS conditioned, or research. By The Animal experiments, or have adversely affected the procedures, results, or conducted involving held for use in Welfare Regulations accompanying pain or teaching, testing, lesis were interpretation of the teaching, research. experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these (Cols. C + D + E) distress to the animals conducted experiments, and for which appropriate research, or involving no surgery but not anesthetic, analgesic, or animals and the reasons such drugs were not used pain, distress, or yet used for such use of paintranquilizing drugs were must be attached to this report). relieving drugs purposes. 15 13 2 4. Dogs 15 13 2 Cats 4 2 2 Guinea Pigs 5 2 3 Hamsters 4 2 2 8. Rabbits Non-human Primates 10. Sheep 11. Piqs 12. Other Farm Animals 13. Other Animals 10 0 10 Gerbils

### ASSURANCE STATEMENTS

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1 COLLEGE OFFICE	ADQUARTES RESEARCH FACILITY OFFICIAL.  r or Legally Responsible Institutional Official) is true, correct, and complete (7 USC Section 2143)
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)
	Cuyahoga Community College 10-4-99

APHIS FORM 7023 (AUG 91)

This report is required by low (7 USC 2143) Families to report according to the regularities as provided for in Section 2150. UNITED STATES DEPARTMENT OF AGRICULTURE

ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

additional information. \* ayo 1, REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

31-R-0068 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

> NAmSA, Inc. 2261 Tracy Road Northwood, OH 43619

Status: Active

(TYPE OR PRINT)

2. REPORTING FACILITY (LIST all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if incressary.)

FACILITY LOCATIONS (Sites)

Same as Above #2

Ammals Covered By The Ammal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, resparch, or surgery but not yet used for such purposes.	C Number of unimals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-releving drugs.	D. Number of animals upon which experiments, teaching, restorch, surgery, or hosts were conducted involving secompanying pain or distress to the animals and for which upon opriate anesthetic, or lightly were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, unalgesic, or tranquitizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this reports.	F.  TOTAL NO OF ANIMAL:  (Cols. C + D + E)
4. Dogs	2	20	77	0	97
5 C8l5		.3			None
	180	11.403	0	0	11, 403
5. Guinea Pigs 7. Hamsters	0	0	. 29	0	29
8. Rabbits	28	7,803	1,290	0	9,093
9_ Noo-human Primates		¥ ,			None
10. Sheep		:			None
11. Pigs	1		15	0	15
12. Other Farm Animals					None
72. 00101 1 0117 7 110700				<u> </u>	
13. Other Animals	· ·				None
					ļ

- Professionally acceptable standards governing the care, freetinest, and use of animals, including approvide use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, lesting, surgery, or experimentation very followed by this research facility
- Each principal investigator has considered alternatives to pamilial procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations by specified and explained by the principal investigator and approved by the Institutional Animal Core and Use Committee (IACUC). A summary of all such exceptions is attended to this annual report. In principal investigator and approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research tacility has appropriate outs any to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of minute and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print) 

See reverse side for UUT additional information

Interagency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRAJION NO 72

31R0072

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code) Allergy Laboratories of Ohio, Inc.

623 East 11th Avenue

1983 East 24th Street

Columbus, OH 43211

Status: Active

5	$\supset$	Ι.
	۷	V

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

See Attacked

623 East 11th Avenue, Columbus, CH 43211

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or fests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs	, 0	210	0	0	210
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					ļ
11. Pigs					
12. Other Farm Animals					
**************************************					
13. Other Animals				-	<u> </u>
·			: ·		

- Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This lacility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

PATE SIGNED

10-5-99

APHIS FORM 7023 (AUG 91)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 80 31R 0080

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code).

include Zip Code) Miami Valley Hospital

Department of Med. Education

One Wyoming Street Dayton, OH 45409 Status: Active

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

See Attached

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)
 FACILITY LOCATIONS (Sites)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.) B. Number of E. Number of animals upon which teaching, Number of D. Number of animals upon animals being experiments, research, surgery or tests were animals upon which experiments. **Animals Covered** bred. which leaching, conducted involving accompanying pain or distress teaching, research, conditioned, or to the animals and for which the use of appropriate By The Animal research, surgery, or lesis were TOTAL NO. held for use in anesthetic, analgesic, or tranquilizing drugs would Welfare Regulations experiments, or conducted involving OF ANIMALS teaching, testing, have adversely affected the procedures, results, or lesis were accompanying pain or interpretation of the teaching, research experiments. conducted distress to the animals research, or involving no pain, distress, or experiments, surgery, or tests. (An explanation of (Cols. C + D + E) and for which appropriate surgery but not the procedures producing pain or distress in these anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were purposes. relieving drugs must be attached to this report). used. Dogs 0 n 0 0 0 0 Cats 0 Guinea Pigs Ω Ω Hamsters 0 0 0 0 0 0 0 0 0 8. Rabbits 0 Non-human Primates 0 0 0 0 10. Sheep 0 0 0 0 0 0 0 0 Pigs 0 Other Farm Animals O 0 0 13. Other Animals 0

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL.

(Chief Executive Officer or Legally Responsible Institutional Official)

(Chief Executive

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 31-R-0082

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code) Ohio University

Dept. of Laboratory Animal Res

085 Grosvenor Hall Athens, OH 45701-2992

Status: Active

(TYPE OR PRINT)

See Attached

ANNUAL REPORT OF RESEARCH FACILITY

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adultional sheets if necessary or use APHIS FORM 7023A.) E. Number of animals upon which teaching, B. Number of C Number of D. Number of animals upon experiments, research, surgery or tests were animals being animals upon which experiments, conducted involving accompanying pain or distress bred. which leaching, Animals Covered teaching, research, conditioned, or to the animals and for which the use of appropriate By The Animal research, TOTAL NO. surgery, or tests were anesthetic, analgesic, or tranquilizing drugs would held for use in Welfare Regulations experiments, or OF ANIMALS conducted involving leaching, lesting, have adversely affected the procedures, results, or tests were accompanying páin or experiments, interpretation of the teaching, research, conducted distress to the animals experiments, surgery, or tests. (An explanation of (Cols. C + D + E) research, or involving no and for which appropriate surgery but not the procedures producing pain or distress in these pain, distress, or anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs 0 0 0 0 0 4. Dogs 6 0 0 0 0 5. Cats 0 0 0 0 0 Guinea Pigs 0 13 0 219 219 Hamsters 7. 0 0 0 0 0 Rabbits 0 0 0 0 0 Non-human Primates 0 0 0 0 0 Sheep 0 0 0 16 16 Pigs 11. 12. Other Farm Animals 13. Other Animals Gerbils 0 0 1 0 1 0 0 0 13 Flying Squirrels 13 9 0 9 0 0

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

**APHIS FORM 7023** (AUG 91)

Chipmunks **ASSURANCE STATEMENTS** 

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(b)(b)(c)(c)

Sue reverse side lui additional information

0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

CONTINUATION SHEET FOR ANNUAL REPORT

OF RESEARCH FACILITY

( TYPE OR PRINT)

I. REGISTRATION NO.

31-R-0082

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Codel OHIO UNIVERSITY

> DEPT. OF LABORATORY ANIMAL RESOURCES 085 GROSVENOR HALL ATHENS, OHIO 45701-2992

Status: Active

REPORT OF ANIMALS USED BY OF	B Number of	C Number of	1		F
Animals Covered By The Animal Wellare Regulations  12 &/OR 13 Other (Us! by species)	b Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs	D Number of animals upon which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	TOTAL NO OF ANIMALS (Cols. C + D + E)
Dwarf opossum	47	0	2	0	2
Deer mice	0	18	0	0	18
	,				
				·	
	·				
				·	

ASS	URANCE	STATE	MENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of aniesthetic analysesic and tranquilizing drugs, prior to, during and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provisional kadequate veterinary care and to oversee the adequacy of other aspects as animal care and use

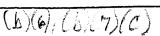
CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF CEO. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023A (AUG 91)



UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

31R0088

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Code) Columbus State Community College

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

550 E. Spring Street 085 Grosvenor Hall Columbus, OH 43216

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

See Attached

Union Hall Room 022

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred. conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthelic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	14		23		23
	12		20		20
5. Cats 6. Guinea Pigs	. 7	7			7
7. Hamsters					-
8. Rabbits	8	8			8
9. Non-human Primates					
10. Sheep					
11. Pigs					<del> </del>
12. Other Farm Animals		·		-	
13. Other Animals					

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

PHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OC) 60), which is obsolete )

(6)(6), (6)(7)(C)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

include Zip Code)
Ricera, Inc.
7528 Auburn Road

P.O. Box 1000 Painesville, OH 44077

Status: Active

(TYPE OR PRINT)

ANNUAL REPORT OF RESEARCH FACILITY

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

See Attached

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	58	0		58
5. Cats	0	13	Ö	0	13
6. Guinea Pigs	Ò	220	O .	0	220
7. Hamsters					
8. Rabbits	0	84	0	4	83
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
Goats	0	5	0	0	5
13. Other Animals					
Chickens	0	30 :	0	0	30

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

Ricerca,

DATE SIGNED

10/1/99

APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

(b)(6), (b)(7)(C)

PART 1 - HEADOLIARTERS

T/h~

31R0091

## Optional Column E Explanation Form

••			
1. Registration Number:	31-R-0091		
2. Number6		of animals used in this study.	
3. Species (common name)_	Rabbit	of animals used in this study.	
4. Explain the procedure	producing pain	and/or distress.	
Acute Eye lrritat	tion Study		
	•		•
• .			
			2.
5 . Du idaaiaatiGa insti	fication why no	in and/or distress could not be	
	r means used to	determine that pain and/or distress or Federally mandated testing, see	
relief would interfere with question 6 below)		OPPTS Series 870 Health	
relief would interfere with question 6 below)  Conducted in accor		OPPTS Series 070 Health	

Agency\_\_\_

See reverse side for additional information OCTINIEZOPICY NEPOTI CONTROL NO

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 92 31R0092

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

include Zip Code) Northeastern Ohio Universities 4209 State Route 44

P.O. Box 95
Rootstown, OH 44272
Status: Active

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

See Attached

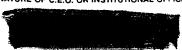
Comparative Medicine Unit

A. Animals Covered By The Animal Wellare Regulations .	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	80	0	80
5. Cats	0	0	7	0	7
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	. 0	0	0
8. Rabbits	3	0	160	0	160
9. Non-human Primates	0	4	0	0	4
10. Sheep	0	0	0	0	0
11. Pigs	0	0	15	. 0.	15
12. Other Farm Animals	0	0	0	0	0
	0	0	0	0	0
13. Other Animals	0	0	0	0	0
Bats	46	. 0	61	0	61
Ferrets	0	00	2	0	2
Gerhils	5	0	35	0	35

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 USC Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



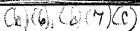
(b)(7)(c)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

10/19/99

APHIS FORM 7023 (AUG 91)



UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code)
Center for Research of Endangered

3400 Vine Street

P.O. Box 95 Cincinnati, OH 45220

Status: Active

DEC 0 1 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) #241

sheets if necessary.)

FACILITY LOCATIONS (Siles)								
See Attached								
	•			:				
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets it necessary or use APHIS FORM 7023A.)								
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not	C Number of animals upon which feaching, research, experiments, or lests were conducted involving no	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these	F.  TOTAL NO OF ANIMALS  (Cols. C +			
	yet used for such purposes.	pain, distress, or use of pain- relieving drugs.	anesthetic, analgesic, or tranquilizing drugs were used.	animals and the reasons such drugs were not used must be attached to this report).	D + E)			
4. Dogs								
5. Cats	54	4	50	0	54			
6. Guinea Pigs	• .							
7. Hamsters								
8. Rabbits								
9. Non-human Primates								
10. Sheep								
11. Pigs								
12. Other Farm Animals								
_								
13. Other Animals								
A COLIDANICE CTATEMENTS								

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinaria care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL  (Chief Executive Officer or Legally Responsible Institutional Official)  Legally that the above is true, correct, and complete (7 U.S.C. Section 2143)				
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (6)(6) (6)(7)(C)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)  (6)	DATE SIGNED 11/30/99		

APHIS FORM 7 (AUG 91)

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Akron General Medical Center

400 Wabash Avenue

Akron, OH 44307 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

FACILITY LOCATIONS (Siles)

DEPORT OF ANIMALS LISED BY	OR LINDER CONTROL O	E DESEABOH EACH IT	V /AH=-h (. (il) a ( a b a b it	ecessary or use APHIS FORM 7023A)	
			f (Altach adiditional sneets ii ne		
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which leaching, experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	!				
5. Cats		No C	OVERED 3.	PECIES	
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					_
12. Other Farm Animals					
13. Other Animals					
		;			
-					

### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

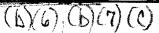
CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

E & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL DEDE OF Print)

DATE SIGNED

APHIS FO (AUG 91



See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO104 K0104

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code Vision Inc.

7840 Montgomery Road P.O. Box 95 Cincinnati, OH 45236-4387

Status: Inactive

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM 7023A) Number of animals upon which teaching, B. Number of C Number of D. Number of animals upon experiments, research, surgery or tests were animals being animals upon which experiments, conducted involving accompanying pain or distress Animals Covered bred. which leaching, leaching, research, to the animals and for which the use of appropriate conditioned, or TOTAL NO. research, By The Animal surgery, or lests were anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS held for use in experiments, or Welfare Regulations conducted involving have adversely affected the procedures, results, or teaching, testing, lests were accompanying pain or interpretation of the leaching, research, experiments, conducted distress to the animals experiments, surgery, or tests. (An explanation of (Cols. C + D + E) research, or on pnivlovni and for which appropriate the procedures producing pain or distress in these surgery but not pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquitizing drugs were must be attached to this report). purposes. relieving drugs 0 Ĉ, Dogs Ü Cats Ŵ Guinea Pigs 0 Hamsters Rabbits  $\langle \cdot \rangle$ Non-human Primates 10. Sheep (D 11. Pigs 12. Other Farm Animals 13. Other Animals

- Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
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- veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

animal care and use	, , , , , ,		
S ASSET	(Chief Executive Off	TEADQUARTES RESEARCH FACILITY OFFICIAL ficer or Legally Responsible Institutional Official) sove is true, correct, and complete (7 U.S.C. Section 2143)	e)(7)(c)
IGNATUR	TUTIONAL OFFICIAL (6)(6) (6)XT)(C)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)  1620 MUTHGUMENY Rd  CINCLINICH, OH 45236	G/27/99
FORM 7023 (AUG 91)	(Replaces VS FORM 18-23 (OCT 88), v	which is obsolete (6/6), (6)(7)(C)	

**ASSURANCE STATEMENTS** 

See reverse side for additional information.

Interagency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 111 -2

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Stautzenberger College

1999

5355 Southwyck Boulevard

P.O. Box 95 Toledo, OH 43614 Status: Active

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Stautzenberger College

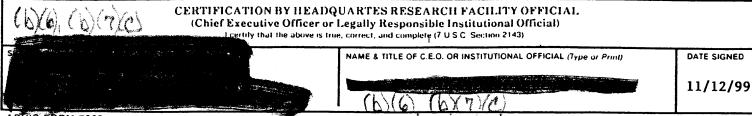
5355 Southwyck Blvd.

Toledo, Ohio 43614

REPORT OF ANIMALS USED BY C	R UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-refleving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	59	115	0	174
5. Cats	0	37	214	0	251
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	0	0	0
9. Non-human Primates	. 0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Piqs	0	0	0	0	0
12. Other Farm Animals	.0	0	0		0
13. Other Animals	0	0	1	0	1
(ferret)			(ferret)		
ASSURANCE STATEMENTS					

## Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility

- 2) Each principal investigator has considered alternatives to painful procedures
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- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.



APHIS FORM 7023 (AUG 91)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA,

include Zip Code) Stautzenberger College 5355 Southwyck Boulevard

P.O. Box 95

Toledo, OH 43614 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

See Attached

Stautzenberger College

5355 Southwyck Blvd.

Toledo, Ohio 43614

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	59	115	0	174
5. Cats	0	37	214	0	251
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	0	0	0
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals	0	0	1	0	11
(ferret)		•	(ferret)		

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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) 1 certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/12/99

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

APHIS FORM 7023 (AUG 91)

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

(TYPE OR PRINT)

1. REGISTRATION NO. 31-R-0111

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

include Zip Code)
Stautzenberger College

5355 Southwyck Boulevard

P.O. Box 95

Toledo, OH 43614

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA,

See Attached

Stautzenberger College

5355 Southwyck Blvd.

Toledo, Ohio 43614

Animals Covered By The Animal Wellare Regulations	8. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	59	115	0	174
5. Cats	, 0	37	214	0	251
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	0	0	0
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	00	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals	0	0	1	0	1
(ferret)		:	(ferret)		

### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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  - attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of id care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) DATE SIGNED 11/12/99

APHIS FC (AUG

SIGN

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRASIDIR NOT 12

31-R-0112

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Oberlin College

70 N. Professor St.

P.O. Box 95

Oberlin, OH 44074 Status: Active NOV 0 9 1999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) Sperry Animal Facility, Neuroscience Program, Biology Department

FACILITY LOCATIONS (Sites)

See Attached Sperry Animal Facility, 130 W. Lorain St.,

Oberlin OH 44074-1082

Kettering Hall of Science, 130 W. Lorain St Oberlin OH 44074-1082

REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF		/ (Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A.)	
A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs	, 0	17	0	0	17
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals				-	
13. Other Animals					
Brazilian Gray	20	- 0	15	0	15
Opossum					
ASSURANCE STATEMENTS					

### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and franquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

**APHIS FORM 7023** (AUG 91)

1 REGISTRATION NO. 64-V-0002 FORM APPROVED OMB NO 0578-0030

2. NEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA Include Zie Code)

### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

939

Research Support Office (15R)
VA Medical Center, PO Box 1040
Avenue D. Building 82, Room 224
Perry Point, Maryland 21902-1040

3. REPORTING PACILITY (List bill locations where unimals were housed or used in actual resourch, testing, tracking, or experimentation, or held for these purposes. Attach additional sheets if recessary.)

FACILITY LOCATIONS (SHOW

None

Animals Covered By The Animal Wellare Regulations	B Number of enimals being bred. conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C humber of animats upon which teaching, research, auperiments, or tests were conducted involving ne pain, distress, or use of pain-relieving drugs	D Number of ammais upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying path or districts to the ammais and for which appropriate assections; analgests, or trangulizing drugs were used.	EDESTRY OF USE APHIS FORM 7023A.)  E. Number of animols upon which teaching, apparaments, research, surgery or tests were conducted involving accomplenging pain or distrets to the animals and for which the use of appropriate anesthetic, analgesic, or tranquinting drugs would have adversely affected the precedures, results, or interpretation of the teaching, research, apparaments, surgery, or tests. (An explanation of the pracedures producing pain or distress in these animals and the pracedures panducing pain or distress in these animals and the research such drugs were not used must be affached to this report).	F.  TOTAL NO OF ANIMALS  (COIS. C + D + E)
4. Dogs	• 0				0
5. Cats	0				0
6. Guinea Pigs	0				0
7. Hamslers	0				0
B. Rabbits	0			<b>'</b> .	0
9. Non-human Primates	0				0
10. Sheep	0	·			0
11. Pigs	0				0
12. Other Farm Animals	0				0
13. Other Animals	0				0
•					
		•			

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, frestingut, and use of animals, including approxise use of anisothetic, analysis, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were inflowed by this research facility.
- 2). Each principal investigator has considered atternatives to pointed procedures
- 3) This locibly is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the prairipol investigator and approved by the institutional Animal Care and Use Conmittee (IACUC). A summary of all such exceptions is attached to this animals report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL. (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is from correct, and complete (7 U.S.C. Smillion 2143)

CHATURE OF TO COMMITTEE OF THE COMMITTE

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

111-1

APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolute )

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(4)(4), (6)(7)(6)

See reverse side for additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 64-F-0006

FORM ÁPPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

969

Th.

resu

USDA, ARS Mid South Area P. O. Box 225

Stoneville, MS 38776

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

### FACILITY LOCATIONS (Siles)

Aquatic Animal Health Research Unit

990 Wire Road Auburn, AL 36830

P. O. Box 952 Auburn, AL 36831-0952

(Note: Lab name has been changed from Fish Diseases & Parasites Research Lab)

REPORT OF ANIMALS USED BY O				cessury or use APHIS FORM 7023A)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates	<u> </u>				
10. Sheep					
11. Pigs					
12. Other Farm Animals					
Goats	6				6
13. Other Animals				, 0 6 1999	
catfish	10,000	20,000	30,000	06/3	50,000
tilapia	3,000	4,000	2,000		6,000
striped bass	1,000	2,000	1,500	- Jane	3,500
ASSURANCE STATEMENTS			-	••	

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

Legitly that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(b)(c) (b)(r)(c) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)

DATE SIGNED

12/1/99

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

DADT - HEADOWATER

(AUG 91)

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036 EL

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

U.S. Fish & Wildlife Service R7 1011 East Tudor Road Anchorage, Ak 99503

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

"No animals housed or held" REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM 7023A.) Number of C Number of D. Number of animals upon experiments, research, surgery or tests were animals upon animals being conducted involving accompanying pain or distress which experiments, **Animals Covered** bred. which leaching, teaching, research, to the animals and for which the use of appropriate TOTAL NO. conditioned, or research. surgery, or tests were By The Animal anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS held for use in experiments, or conducted involving Welfare Regulations have adversely affected the procedures, results, or teaching, testing, lesis were accompanying pain or interpretation of the leaching, research, experiments, conducted distress to the animals experiments, surgery, or tests. (An explanation of (Cols. C + D + E) involving no research, or and for which appropriate the procedures producing pain or distress in these surgery but not pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. used. 4. Dogs Cats 6. Guinea Pigs Hamsters Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals 8 Jumping Mouse Voles Ground Squirrel Least Weasel 11 11 Moose MAI

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility; 1 6 1999 DEC

2). Each principal investigator has considered alternatives to painful procedures.

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations because of the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is a recommendation of the exceptions, as well as the lactic animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)
2143).

I certify that the above is true, correct, and complete (7 U.S.C. Section 2

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

APHIS FORM 7023 (AUG 91)

ASSURANCE STATEMENTS

13 7 7 3

See reverse side lor additional information. 1371 Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 71-V-001

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Department of Veterans Affairs Headquarters 810 Vermont Aenue, N.W. Washington, D.C. 20420

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

Central Arkansas Veterans Healthcare System 4300 W. 7th Street

Little Rock, AR 72205

A	B. Number of		<u> </u>	cessury or use APHIS FORM 7023A.)	
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS (Cois. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits			13		13
9. Non-human Primates					
10. Sheep					
11. Pigs	ļ				
12. Other Farm Animals					
	*********				
13. Other Animals					
Mice	<u> </u>				20,996
Rats					696
					1

1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

by that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED





UNITED STATES DEPARTMENT OF AGRICULTURE Services to the personal services of the personal servic ANIMAL AND PLANT HEALTH INSPECTION SERVICE A Service of the good 1. REGISTRATION NO. national anti-popular for the control of the contro

FORM APPROVED 4 25 (2) OMB NO. 0579-0036

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ANNUAL REPORT OF RESEARCH FACILITY 2 .0 56 (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, Michide Zip Code) 1 2101101

asEDA/National Centersfor Toxicological Research 3900 NCTR Road Jefferson, AR 72079-9502

และเหลือสาทราบสกุลเลอาเมื่อสาทสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถส

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes.; Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

LIST MOTE LIST

FDA/NCTR

3900 NCTR Road, Jefferson, AR 72079-9502

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments," research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMAL (Cols. C D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	0	16			16
9. Non-human Primates	22	96			96
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
					ļ

### ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 2

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Lawrence Lerkeley National Laboratory 1 Cyclotron Road, Bldg. 74 Berkeley, CA 94/20

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

### **FACILITY LOCATIONS (Sites)**

Lawrence Berkeley National Laboratory, Bldg. 7/4

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMAL: (Cols. C + D + E)
4. Dogs	0	1	8		9
5. Cats	0				
5. Guinea Pigs	0				
7. Hamsters	0				
8. Rabbits	0	9	52		61
). Non-human Primates	0				
10. Sheep	0				
I1. Pigs	0				
12. Other Farm Animals	0				
13. Other Animals	0				
			·		
	<b>†</b>				

### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act. The principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to This amount report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

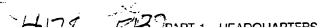
CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIA	ıI.
(Chief Executive Officer or Legally Responsible Institutional Official)	

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Pruit) SDATE SIGNED BAMEN C. C/

APHIS FORM 7023 (AUG 91)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO 1201 9 2

FORM APPROVED OMB NO. 0579-0036 SD

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

U.S. Department of Agriculture, ARS Western Regional Research Center 800 Buchanan Street Albany, Ca 94710

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

USDA ARS, WRRC, PWA, FSH

800 Buchanan St., Albany, Ca 94710

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTANO.  OF AN WALS  (Cols. C +  D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	. 0
6. Guinea Pigs	0	0	0	0	0 .
7. Hamsters	0	172	0	0	172
8. Rabbits	0	0	0	0	0
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0 .	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals					
Rats	0	127	0	0	127
Mice	0	66	0	<u> </u>	66

ASSUR	ANCE	STATEM	IENTS

1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility

2). Each principal investigator has considered alternatives to painful procedures

This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is stated to this emmal report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected. 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the

The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

(Chief Executive Officer or	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) e, correct, and complete (7 U S C Section 2143)	
B)(17)(C)	WRRC	DATE SIGNED

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

(TYPE OR PRINT)

# ANNUAL REPORT OF RESEARCH FACILITY

1. REGISTRATION NO. 93 V 0001 93-V-004

FORM APPROVED

OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Code)

Department of Veterans Affairs 310 Vermont Avenue, NW Washington, DC 20420

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

564 - VA San Diego Healthcare System 3350 La Jolla Village Drive San Diego, CA 92161

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	9	0	0	0	
5. Cats	0	0	5	0	ij
6. Guinea Pigs	0	0	212	0	212
7. Hamsters	ΰ	0	0	0	
8. Rabbits	0	0	864	0	864
9. Non-human Primates	0	0	0	· 3	
10. Sheep	ΰ	0	0	<u> </u>	
11. Pigs	0	0	102	00	102
12. Other Farm Animals	0	0	J	0 .`	
13. Other Animals					
•					
				7 7 7 77 7	
ASSURANCE STATEMENTS	<u></u>			11 1 1 2 1 2 1 2 1 1 1 1 1 1 1 1 1 1 1	

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of aniesthetic, analgesic, and tranquilizing drugs, prior to, during,

and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures.

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as will be the Receive and indifferent animals affected.

The attending vetermarian for this research facility has appropriate authority to ensure the provision of adequate animal care and use.

<b>CERTIFICATION BY HEADQUAR</b>	TES RESEARCH FACILITY OFFICIAL
	lly Responsible Institutional Official)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

I certify that the above is true, correct, FAR AND IN THE NCE OF,

DATE SIGNED

10-13-49

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

PART 2 - SECTOR OFFICE

FAX NO. 4109626950

ID:916 857 6212

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PAGE 2/8

P. 02

NOV-29-99 09:59 FROM: USDA APHIS WESTERN AC This input is required by law or unclaims: result in an order to coase and devist and by be subject to penulties as provided for in Section 2160

acciniverse sace for additional information

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 93-V-004 93 V 000 4

Laris FORM APPROVED OME NO 0579-0036 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA.

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zio Codel Department of Veterans Affairs 810 Vermont Avenue, NW Washington, DC 20420

3. REPORTING FACILITY (List all locations where animals were housed or used in actual rosearch, testing, teaching, or experimentation, or held for these purposes. Attach autoritional sheets if necessary.)

FACILITY LOCATIONS (Siles)

664- VA San Diego Healthcare System 3350 La Jolla Village Drive

San Diego, CA 92161

Animals Comred By The Animal Wellare Regulations	8. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which Leaching, research, experiments, or tests teets conducted envolving an pure, distress, or ties of pain- rollieving drugs.	D. Number of aurnals upon which experiments, leaching, research, surgery, or less sweez conducted involving accompanying pain or duriness to the animals and for which appropriate areathetic, analgesic, of tranquilizing drugs were used.	E Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthelic, anispecia, or tranquiliting drugs would have adversely affected the precedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. Our explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report.	F.  TOTAL NO. OF ANIMALS  (COLS. C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	6	0	6
6. Guinea Pigs	0	0	212	0	212
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	864	0	864
9. Non-human Primates	0	0	0 .	0	0
10. Sheeo	0	0	0	0	0
11. Pris	0	0	102	0	102
12. Other Farm Animals	0	Ō.	0	0	. 0
13. Other Animals					

## **ASSURANCE STATEMENTS**

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of anesthetic. Smallestic, and tranquilizing and following actual research, feaching, festing, surject, or experimentation were followed by their research facility.

  NOV 3 0
- 2) Each preicipal investigator has considered alternatives to paintif procedures
- 3) This louding is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations as expected by the institutional Animal Care and two Committee (IACUC). A summary of all such exceptions (Septimber 1) in the institutional Animal Care and two Committee (IACUC). A summary of all such exceptions (Septimber 1) in the institutional Animals includes a brief exceptions, as well as the species of the institutional Animals allocated addition to identifying the IACUC approved exceptions, this summary includes a brief exceptions, as well as the species of the species of the institutional Animals allocated addition to identifying the IACUC approved exceptions.
- 4) The attending voluments for this research facility has appropriate authority to ensure the provision of adequate velerinary care and to oversee the adequacy or other aspirous of united take and take.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

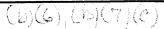
(Chief Executive Officer or Legally Responsible Institutional Official)

I (writing that the bloom is true, cormet, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF G.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)

DATE SIGNED

APHIS FORM 7023 (Replaces VS FORM 18-23 (OCT 88), which is obsolete) (AUG 91)



Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

FORM APPROVED

OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Department of Veterans Affairs Central Office 810 Vermont Avenue NW Washington, D.C. 20420

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

VA Medical Center - 662 4150 Clement Street

San Francisco, CA 94121

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach admittional sheets if necessary or use APHIS FORM 7023A.)					
A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	0		0
5. Cats	0	0	0		0
6. Guinea Pigs	0	0	6		6
7. Hamsters	0	0	630		630
8. Rabbits	0	0	19		19
9. Non-human Primates	0	0	0		0
10. Sheep	0	0	3		. 3
11. Pigs	0	0	66		66
12. Other Farm Animals	0	0	0		0
10 Other Asimala	0	0	0		0
13. Other Animals	0	0	336		336
gerbils	0	0	6026		6026
rats	4000	2000	19,741		25,741
MICE ASSURANCE STATEMENTS	1 4000	2000	199/71		

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility. NOV
- 2). Each principal investigator has considered alternatives to painful procedures
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

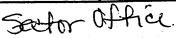
I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

**FORM 7023** (AUG 91)





Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA,

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Department of Veterans Affairs Central Office 810 Vermont Avenue NW Washington, D.C. 20420

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

**FACILITY LOCATIONS (Sites)** 

VA Medical Center - 662 4150 Clement Street

CA 94121

San Francisco, C	A 941Z1	RESEARCH FACILITY	(Altach adjulitional sheets if ne	cessary or use APHIS FORM 7023A.)	
A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments surgery or tests. (An explanation of	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	0		0
5. Cats	0	0	00		0
6. Guinea Pigs	0	0	A		6
7. Hamsters	0	0	630		630
8. Rabbits	0	0	19		19
Non-human Primates	0	. 0	0		00
10. Sheep	0	0	3		3
11. Pigs	0	8	66		66
12. Other Farm Animals	0	0	<u> </u>		0
13. Other Animals	0	0	8		0
gerbils	0	0	336		336
rats	0	0	6026		6926
mice	4000	2000	19.741		25,741
ASSURANCE STATEMENTS				一 当の作品に関係し	11

**ASSURANCE STATEMENTS** 

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anestheric, analysis, and tranquitizing drugs, price to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility:

2). Each principal investigator has considered alternatives to painful procedures.

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

## CERTIFICATION BY HEADQUATES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

415-221-4810

PART 2 - SECTOR OFFICE.

19 13

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO 3V 0000 93-V-006

FORM APPROVED Aris OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Dept. of Veterans Affairs 810 Vermont Ave., N.W. Washington D.C. 20420

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Ž

VA Greater Los Angeles Healthcare System

Bldgs 113.337 £117

<ul><li>4. Dogs</li><li>5. Cats</li><li>6. Guinea Pigs</li><li>7. Hamsters</li></ul>		use of pain- relieving drugs.	and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	interprelation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	(Cols. C + D + E)	
Guinea Pigs     Hamsters	22	8	138		146	
7. Hamsters	0				o	
			45		45	
			160		150	
8. Rabbits	12		166		166	
9. Non-human Primates	0				0	
10. Sheep	0				0	
11. Pigs	:		28		28	
12. Other Farm Animals	0		-		0	
13. Other Animals	0				0	
	· · · · · · · · · · · · · · · · · · ·			Mark 1990 1990 1990 1990 1990 1990 1990 199		
					<u> </u>	

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs; prior to, during. and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility NOV 26 999
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is stacked to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

  SACRAMIN JA
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL  (Chief Executive Officer or Legally Responsible Institutional Official)  Legally that the above is true, correct, presumplete (7 USC Section 2143)	•
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
APHIS FORM 7023 (Replaces VS FORM 18-23 (OCT 88), which is obsolete ) (AUG 91)	

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

Jo.

1. REGISTRATION NO Cr 2

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Naval Medical Center Division Of Animal Resource Suite 5

34800 Bob Wilson Dr. San Diego CA 92134-1005

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

NMCSD BLDG 9

PORT OF ANIMALS USED BY OR Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain, relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F. TOTAL NO. OF ANIMALS  (Cols. C + D + E)
Dogs Cats	3		14	on 5 No. 199	47
Guinea Pigs Hamsters		5	42	(b)(b) (7)(c)	22
3. Rabbits		22			
10. Sheep	2		154	•	-156 154
<ul><li>11. Pigs</li><li>12. Other Farm Animals</li></ul>					
13. Other Animals	13		53		5653

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, ASSURANCE STATEMENTS and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
  - 2). Each principal investigator has considered alternatives to painful procedures.
  - 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
  - 4). The attending vetermarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use.

## CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION

FORM APPROVED

OMB NO. 0579-0036 //

**HEADQUARTERS RESEARCH** (Name and Address, as registered with USDA, include Zip Code)

#### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Department of Veterans Affairs Research & Development Computing Ctr (151A) 103 South Gay Street, Room 400 3altimore, MD 21202-4051

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

Jerry L. Pettis Memorial VA Medical Center <u> 11201 Benton Street, Loma Linda, CA 92357</u>

REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A)	
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-	D. Number of ammals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or accompanying teaching the second control of the second contr	experiments, research, surgery or tests were conducted involving accompanying pain or distress ducted involving panning pain or distress to the animals to which appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, surgery or tests were conducted involving accompanying pain or distress and the animals and the reasons such drugs were mot used must be attached to this report).	
4. Dogs	(6)(6)		3		3
5. Cats	(b)(r)(c)				
6. Guinea Pigs	· ·				
7. Hamsters	,				
8. Rabbits		72	10	·	82
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
				- Julia	
13. Other Anima				10/2/19	
Chinchillas	(6)(6)	(4)(C)	129		129
Rats		386	90	the state of the s	476
Mice		2770			2770
ASSURANCE STATEMENTS				117/1	

1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of analgesio and tranquitzing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility

2). Each principal investigator has considered alternatives to painful procedures

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations become and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

#### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (b) (b

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APTHS FORM 7023 (Replaces VS FORM 18-23 (OCT 88), which is (AUG 91)

NOV-29-99 09:59 FROM: USDA APHIS VESTERN AC regult to an order to ceaso and desist and to be subject to penutive as provided for in Section 2150 ID:916 857 6212 are reverse stoc tot additional information

PAGE 2/8 U180-COA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 931000 93-V-009

Laris PORM APPROVED MAN ON 19 100

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as logistered with USDA include Zio Cont

Department of Veterans Affairs 810 Vermont Ave., N.W. Washington, D.C. 20420

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, ressing, teaching, or experimentation, or held for these purposes. Attach additional wheels if necessary.)

FACILITY LOCATIONS (Silve)

612: VA Northern Calfiornia Health Care System

150 Muir Road

Martinez, CA 94553

REPORT OF ANIMALS USED BY O A. Animals Covered By The Animal Weltare Regulations	B Number of shimats being bred, conditioned, or held for use in teaching, festing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted myolving no puin, distress, or use of pain-religying drugs-	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate animalbetic, analysissic, of tranquitizing drugs were used.	extiments, research, surject or tests were conducted involving accompanying pain or distress of involving him pain or the ammals and for which the use of appropriate involving pain or of the ammals have adversely affected the procedures, results, or incrementation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these considerations of the teaching pain or distress in these considerations.)	
4. Dogs					
5. Cats				:	<u> </u>
6. Guinea Pigs					
7. Hamsters					<u></u>
8. Rabbits			·		<u> </u>
9. Non-human Primates					ļ
10. Sheso		·			
11. Phis					
12. Other Farm Animals	!				
13. Other Animals					
ish (Zebrafish)	Hundreds	Hundreds.			100s
ASSURANCE STATEMENTS					

1) Professionally acceptable standards governing this care, treatment, and use of animals, including approximate use of animals, including approximate use of animals, analysis, and tranquitizing drugs, prior to, during, and following actual research, teaching, teating, surgery, or experimentation were followed by this research facility. 2 1999 DEC

2) Each principal investigator has considered alternatives to painful procedures.

2) This licellity is adhering to the standards and regulations built the Act. and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of alliques exceptions is a quarted to the annual report, to addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as with all the order and number of unimals affected.

SAUMATER TU, CA

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the avertuency of other aspects of annual ware and use.

Chief Executive Officer o	QUARTES RESEARCH FACILITY OFFICIAL or Legally Responsible Institutional Official) nun, control, and complete (7 U S G Section 2143).	
SIGNATURE OF THE SERVICE OF TICAL (6)(6)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (TYPE W PILLI)	DATE SIGNED

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 9340010 93-V-010

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Dept. of Veterans Affairs 810 Vermont Ave., N.W. Washington D.C. 20420

#### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional --sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

Sepulveda Ambulatory Care Center

VA Greater Los Angeles Healthcare System

Bldg. 47 &103

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F. TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	6	. 3	3		6
5. Cats	27		38		38
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	2		36		86
9. Non-human Primates	0	240	2AN 198	·	438
10. Sheep					
11. Pigs					<u> </u>
12. Other Farm Animals	<u> </u>				<u> </u>
Turtles	50	<u> </u>	23		23
13. Other Animals					\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Rats	151		2753		2753
Mice	859		2147	:	2147
Gerbils			96	11-1 12 13 12 11 W 12 1-11	96

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of abest hetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility

2). Each principal investigator has considered alternatives to painful procedures.

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In principal investigator and approved by the institutional claimed case and observations of the exceptions, as well as the species and number of animals affected addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES BESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Exponsible Institutional Official)  Legally that the above is true, corres	
SIGNATURE OCCUPATION OF THE PROPERTY OF THE PR	DATE SIGNED
PLOKES PLOKES VIII COM	11/3/5

(AUG 91)

APHIS FORM 7023 (Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(b)(6), (b)(7)(c)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1330

1. REGISTRATION NO. 93-V-012 93 V 00 12

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

VA Medical Center 2615 E. Clinton Avenue Fresno, CA 93703

include Zip Code)

#### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

570 VA CCHCS Fresno CA

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F. TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
5. Guinea Pigs					
7. Hamsters					
8. Rabbits	:		5		. 5
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
		-			
13. Other Animals	rats.	<u> </u>			-60
		:			

#### **ASSURANCE STATEMENTS**

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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(Chief Executive Officer or	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) le, correct, and complete (7 U.S.C. Section 2143).	
SIGNATURE OF OLO COMMENTATIONAL OFFICAME.	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of PUBL)	DATE SIGNED
	, Fresno	118199

APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-2

which is obsolete.) (b)(c) (b)(7)(c)

PART 2 - SECTOR OFFICE

This report is required by law (7 result in an order to cease and	7 USC 2143). Failure to desist and to be subject	report according to the to penalties as provid	e regulation led for in Se	s can ction 2150.		reverse side for litio all yr or na	on Olso-DOA-A	Report Control No N
UNITED STAT	TES DEPARTMENT OF A PLANT HEALTH INSPEC	ODIOUE TURE	245	1. REGISTRATION	3-F.	-001E	OMB N	APPROVED 50 0.0579-0036 50
,		•		2. HEADQUARTER include Zip Cod		CH FACILITY (Na	me and Address, as regisl	ered with USDA,
ANNUAL REPOF	RT OF RESEAR	CH FACILITY		Lawrence	e Live	Californ	tional Labora	tory
				P.O. Box	x 5507	, Liverm	logy Research ore CA 9455	0
3. REPORTING FACILITY (List all sheets if necessary.)	locations where animals	were housed or used i	n actual res	earch, lesting, leac	hing, or exp	erimentation, or	held for these purposes.	Attach additional
Lawrence Livermo	re National		CILITY LOCA	ATIONS (Siles)				
7000 East Avenue								
Buildings 364 an								
REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	(Attach adi	L ditional sheets if ne	cessary or u	ise APHIS FORM	7023A)	
A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	which of teaching surgery conduction accomedistres and for anesth.	r of animals upon experiments, ig, research, i, or tests were ted involving panying pain or s to the animals which appropriate etic, analgesic, or lizing drugs were	experii conductor the anesth have a interprexperii the pro animal	ments, research, cled involving ac animals and for etic, analgesic, o dversely affected etation of the teaments, surgery, co- pocedures produce	on which teaching, surgery or lests were companying pain or distres which the use of appropria or tranquilizing drugs would the procedures, results, aching, research, or tests. (An explanation or ing pain or distress in the iss such drugs were not us is report).	TOTAL NO.  OF ANIMALS  OF COIS. C +  Se D + E)
4. Dogs								
5. Cats								
6. Guinea Pigs							/	
7. Hamsters								
8. Rabbits				JF.				
Non-human Primates			10	NP				
10. Sheep			I 4					
11. Pigs								
12. Other Farm Animals								
12. Other Farm Animals								
13. Other Animals								
13. Other Animais	1							
			<u> </u>					<u> </u>
						IN E	<b>6 € 1 V 6</b>	<u>- fali</u>
ASSURANCE STATEMENTS	<u> </u>		<u></u>		<u>.                                    </u>	11 41		11111
1) Bartagriguelly aggregable s	tandards governing the	care, treatment, and u	se of anima	ls, including appror	iate use of a	nesthetic analg	MCVnd ramuil and thru	gs, prior to, during,
and following actual resear  2). Each principal investigator	has considered alternati	ives to painful procedu	ires.	ioned by impreses	, o., . o., . , .		10 DE 10 10	
This facility is adhering to to principal investigator and a addition to identifying the facility in the	pproved by the Institution ACUC-approved exception	onal Animal Care and ons, this summary incl	Use Commi ludes a brie	tee (IACUC). A sur Lexplanation of the	exceptions,	as well as the St	ulations be specified and one is attached to this a pecies and number of anim	hals affected.
<ol> <li>The attending vetermarian animal care and use.</li> </ol>								
	CERTIFICA	ATION BY HEAD	DQUAR'	TES RESEARO	CH FACI	LITY ()FFIC	IAL fer telep	hone w/
(b)(a) (b)(7	(Chief E	xecutive Ufficer ertify that the above is	true, corre	t, and complete (7	USC Secti	on 2143)		30 Nos
SIGNATURE OF C.E.O. OR INSTIT	ÚTIONAL OFFICIAL		NAMI	& TITLE OF C.E.O.		JTIONAL OFFICI		DATE SIGNED
1 the same of the			, ,				The second secon	IN SV

APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(b)(6),(b)(7)(c)

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Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

0

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA.

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Code) (6)(6), (6)(7)(0) 60th Medical Group (AMC) / CC

101 Bodin Circle Travis AFB, CA 94535-1800

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) Clinical Investigations Facility (SGSE), Travis AFB, CA, 94545-1800

**FACILITY LOCATIONS (Sites)** 

A.  Animals Covered  By The Animal  Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	5		30		30
9. Non-human Primates		`			
10. Sheep			81		81
11. Pigs	9		53		53
12. Other Farm Animals					
Goats			6		6
13. Other Animals					
Ferrets			11		11
			F	B C B II W E C	

Sid use of anesthetic, analgesic, and franci Professionally acceptable standards governing the care, treatment, and use of animals, including applori ilizıng drugs, prior to, during, IJ and following actual research, teaching, testing, surgery, or experimentation were followed by this

2). Each principal investigator has considered alternatives to painful procedures

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

60th Medical Group

APHIS FORM 7023 (AUG 91)

DATE SIGNED

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

O

1. REGISTRATION NO. -000 FORM APPROVED Ø 3€00.9130 ON BMO

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

National Wildlife Research Center 4101 Laporte Ave. Fort Collins, CO 80521-2154

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Siles)

Logan Field Station

Olympia Field Station

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred,	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	F.  TOTAL NO OF ANIMAL  (COIS. C D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
3. Rabbits					
9. Non-human Primates				DECEMPE	
10. Sheep					
11. Pigs					
12. Other Farm Animals				<b>—</b>	
				USDA 18-16 115	
13. Other Animals				SACRAMENTO CA	~
Norway rats	29	8			8
Pocket gophers	18	76	17	39	132
			24		24

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

ticertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF G.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

**NWRC** 

(Replaces VS FORM 18-23 (OCT 88), which is obsolute )

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APHIS FORM 7023 (AUG 91)

additional intorination

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 84-F-0001

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

National Wildlife Research Center 4101 Laporte Ave. Fort Collins, CO 80521-2154

## CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these	TOTAL NO. OF ANIMAL: (Cols. C + O + E)
12. &/OR 13. Other (List by species)	yet used for such purposes.	pain, distress, or use of pain- relieving drugs.	anesthetic, analgesic, or tranquilizing drugs were used.	animals and the reasons such drugs were not used must be attached to this report).	
Ferrets		2		8	10
Ground Squirrels	26	34			34
Deer mouse	30	64		40	104
Voles	84	143 .			143
Coyotes		165			165
Black-tailed deer	5	42			42
Stream beaver		7		3	10
Mountain beaver	- 2	10			10
Porcupine	6	3			3
Wood rats	17				0
House mouse	106	74			74
				8.8	
	·				

#### ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)
7.11.C.C. C-11.11.21.

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



# 84 F 0001

Subject:

Explanation for Animals Listed in Column E.

Registration No.

84-F-0001

Deer Mice (40)

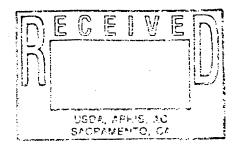
Deer mice listed in Column E of this report were used in a studies outlined by the Office of Pesticides Programs of the EPA. The animals were used as outlined in the Standard Mouse Anticoagulant Dry Bait Laboratory Test method (OPP Designation: 1.216.

#### Ferrets (8)

Ferrets listed in Column E of this report were fed a bait containing difethialone, an anticoagulant, and allowed to succumb to the toxin without the use of anesthetics, analgesics, or tranquilizers. Ferrets that ingested the difethialone bait were required to conduct a part of QA-385 – "Secondary toxicity hazard assessment of difethialone in black-billed magpies (*Pica pica*) and European ferrets (*Mustela putorius furo*)". Ferrets were offered the bait in their cages and allowed to ingest the bait. The amount of bait ingested by the ferrets needed to be equal to that normally consumed by the ferrets. Therefore, it was not desirable to bait anesthetized ferrets or provide bait to ferrets under the influence of analgesics or tranquilizers. General aspects for conducting this type of secondary hazard test are described in the following document: Urban, D. J. and N. J. Cook. 1986. Ecological Risk Assessment. EPA-540/9- 85-001, U. S. Environmental Protection Agency, Office of Pesticide Programs, Washington, DC. 20460 96 p.

## Pocket Gopher(5)

Five pocket gophers were fed strychnine bait and allowed to succumb to the toxin without the use of anesthetics, analgesics, or tranquilizing drugs. Pocket gophers that had ingested strychnine bait were required to conduct a part of QA-623, "Assessing potential secondary hazards of pocket gophers following strychnine baiting". The experimental approach was to provide animals access to bait in their pens and permit them to ingest the bait. The amount of bait ingested by the pocket gopher needed to be equivalent to that normally consumed by pocket gophers. Therefore, it was considered undesirable to dose an anesthetized animal or provide bait to an animal under the influence of an anesthetic.



84 F 0001

(Continuation)

Explanation for Animals Listed in Column E

Registration No.

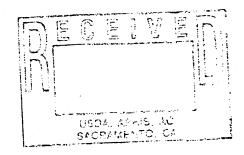
84-F-0001

Pocket Gopher(34)

Thirty-four pocket gophers were placed in pens under semi-natural conditions and permitted to construct burrows and nest chambers. Subsequently, the animals were baited with strychnine bait placed within their burrow systems, exactly as bait is placed during operational baiting of pocket gophers to reduce populations on forest sites. The objective of this portion of the study QA-628, "Accessing potential secondary hazards of pocket gophers following strychnine baiting", was to determine the natural fate of carcasses of pocket gophers that succumbed to strychnine bait. The amount of bait and the activity of pocket gophers post ingesting bait needed to reflect normal conditions to accurately assess carcass location. Therefore it was considered undesirable to dose an anesthetized animal or provide bait to an animal under the influence of anesthetics. Three of the 31 pocket gophers used in the study did not succumb to the bait, however, all 34 animal are listed in column E because it is possible that the three did ingest some bait and were ill for a period.

#### Stream Beaver (3)

Three beaver ingested zinc phosphide treated apples and subsequently died. The purpose of the study, QA-611, "Preliminary evaluation of zinc phosphide bait for reducing beaver populations", was to determine whether existing label applications would be effective to lethally remove treated beaver. It was necessary to assess the response of beaver to baits and to learn if the bait ingestion would be fatal. Therefore, it was considered undesirable to dose an anesthetized animal or provide bait to an animal under the influence of anesthetics. Eight beaver were exposed to the bait, however, five of the eight rejected the bait (none was ingested). The five that rejected the bait are listed in column C, along with two animals involved in a separate study. The three animals that ingested the bait are listed in column E.



REPORTS TARREST

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 10-V-004 10 V 0002 FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA,

Department of Veterans Affairs Headquarters 810 Vermont Avenue, NW Washington, D.C. 20420

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

VA Medical Center 688

Washington, REPORT OF ANIMALS USED BY OF	D.C. 20422	DESEABOH FACILITY	(Attach additional sheets if ne	COSSAIV OF USO APHIS FORM 7023A)	
Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such / purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and lor which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	***************************************				
5. Cats	1				
6. Guinea Pigs					413
7. Hamsters			83		83
8. Rabbits	12	5			<sup>‡</sup> 5
9. Non-human Primates			•		
10. Sheep					
11. Pigs					75 171 172
12. Other Farm Animals					<b>34</b>
Reds o	: <b>.</b>	31	7.3		4.5
13. Other Animals					
Rats	18	51	70		121
Mouse	28	30	47		<i>:7</i> 7
Farret	9	in The	3		3
ASSURANCE STATEMENTS					

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

ORM 18-23 (OCT 88), which is obsolete) (AUG 91)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1315

1. REGISTRATION NO. 84V-2

FORM APPROVED DS

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Department of Veterans Affairs National Headquarters (VACO) 810 Vermont Ave. NW Washington, DC 20420

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Department of Veterans Affairs Medical Center Facility 554

1055 Clermont St

Clermone Sc

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analysesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs				·	
5. Cats					
6. Guinea Pigs			·		
7. Hamsters					
8. Rabbits			10		10
9. Non-human Primates					<u> </u>
10. Sheep					
11. Pigs					·
12. Other Farm Animals					ļ
Xenopus-Lavis			88		88
13. Other Animals					<u></u>
Mice		2500	1070		3570
Rats		250	787		1037
				7 70	

#### SURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

  NOV 2 6 1999
- 2). Each principal investigator has considered alternatives to painful procedures.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION	N BY HEADQUARTES RESEARC	H FACILITY	OFFICIAL
(01: 61)	Office and Leaville Descripted	Institutional	Official)

(Chief Executive Officer or Legally Responsible Institutional Officia

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

PHIS FORM 7023 (AUG 91) FORM 18-23 (OCT 88), which is obsolete)

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See reverse side lor additional information

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1214

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

HQ USAFA/DFB 2355 FACULTY DRIVE, SUITE 2P389 USAF ACADEMY CO 80840-6226

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

**FACILITY LOCATIONS (Siles)** 

REPORT OF ANIMALS USED BY O	B. Number of	C Number of	D. Number of animals upon	cessary or use APHIS FORM 7023A)  E. Number of animals upon which feaching, experiments, research, surgery or tests were	F.
Animals Covered By The Animal Wellare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	0	0	0
	0	0	0	0 .	0
	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0.	0	0	0
12. Other Farm Animals CHICKENS	0	24	0	0	24
13. Other Animals					
VOLES	0	50	0	0	50
BULL FROGS	0	20	. 0	0	20
	0	30	0	<b>5</b> 0	30
GRASS FROGS ASSURANCE STATEMENTS				In B B IS II W IS I	

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate and following actual research, teaching, testing, surgery, or experimentation were followed by this research t

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The und to dversee the adequacy of other aspects of The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
CERTIFICATION BY HEADQUARIES RESEARCH FACILITY OF FORM
The Leading of Official)
(Chief Executive Officer or Legally Responsible Institutional Official)
(Cuiel Executive Officer of Eckny) mosbanes

Ecertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)

DATE SIGNED

15 OCT 99

**APHIS FORM 7023** (AUG 91)

ASSURANCE STATEMENTS

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

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See reverse side for additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 16 VOCO 2

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

T OF RESEARCH FACILITY

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Donantment of Veterans Affairs Central Office

Department of Veterans Affairs Central Office 810 Vermont Avenue, N.W. Washington, D.C. 20420

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

#### FACILITY LOCATIONS (Sites)

689 VA Connecticut Healthcare System

950 Campbell Avenue

West Haven, CT 06516

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
. Dogs	.Ò	0	0	0	- 0
	0	0	0	0	0
. Cats . Guinea Pigs	0	0	0	0	0
Hamsters	0	Ó	0	0	0
. Rabbits	39	0	3 <b>9</b>	0	39
. Non-human Primates	3	0	33	0	33
0. Sheep			0	0	0
1. Pigs	0	0	4	0	- 4
2. Other Farm Animals				<i>i</i>	
3. Other Animals					
Mastomy	182	0	35	0	35
					-

#### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

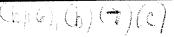
# CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) 1 certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE

NAME & TITLE OF CE O, OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91) RM 18-23 (OCT 88), which is obsolete)



UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

(TYPE OR PRINT)

1: REGISTRATION NO. 501000 50-V-001

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FORM APPROVED OMB NO. 0579-0036

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LETION OF APHIS FORM 7023

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eri C.: Secucius 2,35 km 2,30 ANNUAL REPORT OF RESEARCH FACILITY

HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

VA Medical & Regional Office Center #460 1601 Kirkwood Highway Wilmington, DE 19805

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) **FACILITY LOCATIONS (Sites)** 

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الايلاد يا كارياييون الدارية الماريون ap = REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adictional sheets if necessary or use APHIS FORM 7023A.) Number of animals upon which teaching experiments, research, surgery or lests were conducted involving accompanying pain or distress B. Number of G 'Number of Number of aumals upon المحمد الموادا attimets upon apimals being hich experiments, to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would which leaching, bred. teaching, research, **Animals Covered** TOTAL NO. conditioned, or research, experiments, oc surgery, or tests were By The Animal Welfare Regulations OF ANIMALS held for tise in .conducted involving have adversely affected the procedures, results, or teaching lesting. tests were accompanying pain or interpretation of the teaching, research, experiments. conducted distress to the animals experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these (Cols. C + D + E) involving no research, or and for which appropriate pain, distress, or surgery but not anesthetic, analgesic, or, animals and the reasons such drugs were not used 301-70° use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. used. Dogs Cats Guinea Pigs ... 7. Hamsters Rabbits 9. Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals Negative Report Report Negative

ASSURANCE STATEMENTS

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(Chief Executive Officer	DQUARTES RESEARCH FACILITY OFFICIAL or Legally Responsible Institutional Official) strue, correct, and complete (7 U.S.C. Section 2143).		1
OF OF O OR INSTITUTIONAL OFFICIAL	NAME A THE COOR INSTITUTIONAL OFFICIAL (Type of	ring -	SIGNED
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	(b)	9/23	/ <sup>99</sup>
		1080 miles	APHIS

This report is required by law (7 LISC 2143). Failure to report according to the regulations can result in an order to cause and desist and to be subject to penalties as provided for in Section 2150. additional information

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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

10-F-0002

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zin Code)

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

walter Reed Army Institute of Research Washington, DC 20307-5100

PY99

439

3. REPORTING FACILITY (List all locations where animals were housed at used in actual resourch, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (SITES) ...

Bldg 40, Walter Reed Army Medical Center

Bldg 511, WRAMC Forest Glen Annex

Silver Spring, MD 20910

20307-5100 Washington, DC

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Affact additional shoots if necessary of use APHIS FORM 7023A.) Number of animals upon which teaching, D. Number of annuals upon B. Number of C Number of experiments, research, surgery or tests were animals being animals upor which experiments. conducted involving accompanying pain or distress which leaching. bred, reaching, research. to the animals and for which the use of appropriate **Animals Covered** TOTAL NO. surgery, or lesis wore conditioned, Of research. pnesthetia, analgesic, or tranquilizing drugs would By The Animal OF ANIMAL: held for use in experiments, or conducted involving have adversely allocted the procedures, results, or Wellare Regulations seaching, tosting, ICSIS Were accompanying pain or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of experiments. conducted distress to the animals (Cals. C 1 research, or involving no and for which appropriate the procedures producing pain or distress in these pain, distress, or surgery but not anesthetic, analgesic, or animals and the reasons such drugs were not used yel used for such use of pain-Iranquilizing drugs were must be attached to this report). relleving drugs. purposes. 0 21 9 16 Dogs 0 0 0 0 0 Cats 784 214 188 382 0 Guinea Pigs 40 455 300 115 0 Hamsters 11 396 143 242 0 Rabbits 320 27 86 207 169 Non-human Primales 0 0 0 0 0 10. Sheep 78 14 5 59 1 11. Pigs 0 0 n 0 ٥ 12. Other Farm Animals Other Animals

#### ASSURANCE STATEMENTS

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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 USC Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNE

Research,

PROPERTY OF STREET Walter Reed Army Institute of Washington, DC 20307-5100

APHIS FORM 7023 (AUG 91)

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#### DEPARTMENT OF THE ARMY WALTER REED ARMY INSTITUTE OF RESEARCH WALTER REED ARMY MEDICAL CENTER WASHINGTON, D.C. 20307-5100

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8 November 1999

# Report to Accompany APHIS Form 7023 to support Column E listing (Unrelieved Pain or Distress)

All animal protocols were developed with input from the attending veterinary staff and reviewed by the IACUC to determine that all avenues of pain/distress relief were implemented where possible. Investigators must perform literature searches for alternatives to painful procedures, and the search strategy and results must be documented in every protocol. Those studies which required unrelieved pain were statistically designed to ensure that the least number of animals needed yield significant results were exposed to unrelieved pain or distress. Those animals experiencing unrelieved pain or distress were carefully monitored and given special husbandry provisions to provide as much comfort as possible (e.g., easy access to food and water, increased bedding). Any moribund animals were humanely cuthanized as soon as possible so that they did not experience prolonged suffering.

# EXPLANATION OF UNRELIEVED PAIN OR DISTRESS:

Guinea Pigs -

Protocol 1 - The study of immune response to and protective efficacy of vaccine candidates directed against shigella requires an accurate evaluation of the immune response raised by the administration of these vaccines. The use of analgesics, particularly opiates or narcotics, result in immunosuppression, which would invalidate the results of experiments testing immune responses as well as increasing the severity of the possible eye infection, since immunized animals frequently develop either a mild infection or no infection at all. Use of analgesics that are anti-inflammatory (e.g. aspirin) would also invalidate the model since the PI is studying a model for inflammation of epithelial cells by bacterial invasion. The eyes are scored using a system of 1 to 3. In most cases animals will be euthanized as soon as it is apparent that a score of three is reached.

Protocol 2 - This is a Refinement (3Rs/alternatives) study to use with the Screny test. To achieve the primary objective of the study (refinement through analgesics), a minimum number of control animals must be utilized. The potential immunomodulatory effects of buprenorphine, used in conjunction with the guinea pig keratoconjunctivitis model, have yet to be evaluated. If buprenorphine is found to alter the specific immunological parameters, as measured in conjunction with the Sereny test, then alternatives methods for controlling pain can be considered.

Hamsters -

The purpose of the protocol is to establish an animal model of diarrhea, therefore any discomfort due to diarrhea cannot by treated pharmacologically due to risk of interference with the symptomatology associated with the infection. Any animal developing signs of diarrhea will be immediately provided supportive fluid treatment to diminish any discomfort associated with diarrhea. Any animals demonstrating stage two diarrhea for 2 days or stage three diarrhea for 1 day will also be euthanized. In addition, hamsters will undergo the distress of a 24 hour fast. This is necessary in order to get the best dose response prior to inoculation in order to induce actual diarrhea.

Rabbits -

Following oral challenge with ETEC, rabbits may experience the discomfort of diarrhea and possible dehydration. However, the pain or distress caused by this non-surgical challenge procedure is far less than that of the more traumatic RITARD procedure. Supportive treatment will be provided (e.g. fluids provided orally, subcutaneously) however, since studies are concerned with the pathophysiology of bacterial enteritis no pharmacological agent will be used to reduce the discomfort of diarrhea due to risk of interference with symptomatology associated with the infection. The use of opiate analgesics may interfere with the diarrhea response by decreasing intestinal motility while non-opiate analgesics may interfere with the prostaglandin-mediated intestinal secretory mechanisms associate with the diarrhea response. One week after challenge, animals will be euthanized.

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Report to Accompany APHIS Form 7023 to support Column E listing (Unrelieved Pain or Distress) WRAIR, Washington, DC 20307-5100

Pigs -

12/03/99

The lethal shock that is induced by the lethal SE-challenge with the LD50 test in the positive control animals will necessarily cause pain to these animals. But positive controls are required to validate results. Analgesics would impact the physiological parameters, exacerbating the lethal shock or emesis induced by the SE and compromising analysis of collected data. If the experimental drugs proved their utility, the animals should experience relief, but should they not experience relief then that indicates failure of the drug and is necessary for that reason. In all circumstances, the animals will be under constant veterinary care and will not be subject to any unnecessary pain.

Non-human Primates -

In humans, virulent S. flexneri 2a 3457T induces painful abdominal cramps and tenesmus accompanied by myalgia and fatigue. In general, unless the contrary is known or established, it should be assumed that procedures that cause pain in humans also cause pain in animals. Previous studies have shown that opioid down-regulation on the immune response. The potential immunomodulatory effects of buprenorphine have not been evaluated in the NHP model. A study to evaluate buprenorphine will be conducted along with the protocol. If it is not found to alter the specific immunological parameters as measured in this study, then alternatives methods for controlling pain can be deployed. Shigellosis is usually a self-limited infection in rhesus monkeys, and spontaneous recovery is expected after 48 to 72 hours of acute disease. Animals were continually evaluated by the veterinary staff. Guidelines were established to determine progresssion of illness. Once a certain point had been reached, supportive therapy was initiated.

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Walter Reed Army Institute of Research

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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 10-F-003 10 F 000 3

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

440

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

 HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
 Armed Forces Institute of Pathology

Armed Forces Institute of Pathology Division of Laboratory Animal Medicine 14th & Alaska NW, Bldg 54 Washington DC 20306-6000

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

AFIP Bldg 54, 5th Floor DEC 0 1 1999

REPORT OF ANIMALS USED BY	OR UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if ne	cessery or use APHIS FORM 7023A)	
A.  Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (COIs. C + D + E)
4. Dogs			6		6
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	5	4	280		289
9. Non-human Primates					
10. Sheep					
11. Pigs			6		6
12. Other Farm Animals					
13. Other Animals					
Mice		2789	13		2802
Rat	50	150	88		288

#### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

| Certify that the above is true, correct, and complete (7 USC Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/30/99

APHIS PRM 7023 (APG 91) (Replace VS FORM 18-23 (OCT 88), which is obsolete)

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The report is required by law (7 USC 2143).	Failure to report according to the regulations can
moult in an order to cease and desist and to h	e subject to penalties as provided for in Section 2150

See reverse side for additional information. Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE	1. REGISTRATION NO. 10-F-0008	FORM APPROVED OMB NO. 0579-0036
ANNUAL REPORT OF RESEARCH FACILITY  (TYPE OR PRINT)	include Zip Code) U.S. Department of the Int	
•	U.S. Geological Survey Bio	ological Resources Division
÷	12201 Sunrise Valley Drive	e, MS 300
	Reston, Virginia 20192	

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

sheets if necessary.)					
FACIL	ITY LOCATIONS (S	ites)			
See ATTACHMENT		<u> </u>			
	Y OR UNDER CONT	ROL OF RESEARCH	FACILITY (Attach addition	nal sheets if necessary or use AOHIS FORM 7023A).	
A. Animals Covered by the Animal Welfare Regulations	B. Number of animals being bred, conditioned, or	C. Number of animals upon which teaching, research,	D. Number of animals upon which experiments, teaching, research, surgery, or tests were	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing	F. TOTAL NO. OF ANIMALS (Cols. C + D +

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4. Dogs					
5. Cats					
6. Guinea Pigs	-				
7. Hamsters		3 (A)			3
8. Rabbits	2 (C)	2 (C)			2
9. Non-human Primates				<b>3</b> **	
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals-Lab Mice	6 (A) 27 (C)	389 (A) 16 (C)		345 (A)	756

#### ASSURANCE STATEMENTS

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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).				
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME AND TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL	DATE SIGNED December 8, 1999		

APHIS FORM 7023 (Replaces VS Form 18-23 (OCT 88), which is obsolete.) (AUG 91)

The report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150. additional information.

See reverse side for

Interagency Report Control No. 0180-DOA-AN

REGISTRATION NO. FORM APPROVED OMB NO. 0579-0036 UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 10-F-9008 HEADQUARTERS RESEARCH FACILITY (Name/Address, as registered with USDA, CONTINUATION SHEET FOR ANNUAL REPORT OF include Zip Code) RESEARCH FACILITY U.S. Department of the Interior (Type or Print) U.S. Geological Survey Biological Resources Division 12201 Sunrise Valley Drive, MS 300 Reston, Virginia 20192

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use this form).

A. Animals Covered by the Animal Welfare Regulations  12. &/OR 13. Other (List by species)	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgestic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report.)	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
Sea Otter			36 (H)		36
Polar bear			61 (H)		61
Caribou			76 (H)		76
Moose			5 (H)		5
Black Bear			113 (C)		113
Grizzly Bear		19 (E)			19
Bison		30 (E)			30
Thirteen-lined Ground Squirrel		108 (E)			108
Northern Grasshopper Mouse		21 (E)			21
Silky Pocket Mouse		12 (D) 1 (E)			13-
Plains Pocket Mouse		3 (E)			3

#### ASSURANCE STATEMENTS

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CERTIFICATION BY HEADQUARTERS RESEARCH FACIL (Chief Executive Officer or Legally Responsible Institutional Off I certify that the above is true, correct, and complete (7 U.S.C. Section 1)	ficial)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME AND TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL  (b) (c)  (c) (c)	DATE SIGNED December 8, 1999

APHIS FORM 7023 (Replaces VS Form 18-23 (OCT 88), which is obsolete.) (AUG 91)

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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE	1. REGISTRATION NO. FORM APPROVED OMB NO. 0579-0036 10-F-0008
CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY  (Type or Print)	<ol> <li>HEADQUARTERS RESEARCH FACILITY (Name/Address, as registered with USDA, include Zip Code)</li> <li>U.S. Department of the Interior</li> <li>U.S. Geological Survey Biological Resources Division</li> <li>12201 Sunrise Valley Drive, MS 300</li> <li>Reston, Virginia 20192</li> </ol>

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use this form).

A. Animals Covered by the Animal Welfare Regulations  12. &/OR 13. Other (List by species)	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgestic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report.)	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
Hispid Pocket Mouse		3 (E)			3
Prairie Vole		9 (E)			9
Black-footed Ferret		21 (A) 49 (E)			70
Siberian Polecat	12 (E)	14 (E)			14
Hybrid Ferret				17 (A)	17
Pallid Bat		35 (E)		·	35
Townsend's Longeared Bat		5 (E)			5
Big Brown Bat		61 (E)			61
Hoary Bat		1 (E)			1
Silver-haired Bat		15 (E)			15 .
California Myotis		5 (E)			5
Long –legged Myotis	<del> </del>	32 (E)			32

#### ASSURANCE STATEMENTS

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· ·		
CERTIFICATION BY HEADQUARTERS RESEARCH FACIL (Chief Executive Officer or Legally Responsible Institutional Officertify that the above is true, correct, and complete (7 U.S.C. Section 1)	ficial)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME AND TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL	DATE SIGNED December 8, 1999

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The report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150.

See reverse side for additional information.

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.
10-F-0008

2. HEADQUARTERS RESEARCH FACILITY (Name/Address, as registered with USDA, include Zip Code)
U.S. Department of the Interior
U.S. Geological Survey Biological Resources Division
12201 Surveys Valley Drive, MS 300
Reston, Virginia 20192

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use this form).

A. Animals Covered by the Animal Welfare Regulations  12. &/OR 13. Other (List by species)	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgestic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report.)	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
Long-eared Myotis		89 (E)			89
Western Small-footed Myotis		57 (E)			57
Fringed Myotis		27 (E)			27
Yuma Myotis		15 (E)			15
Western Pipistrelle		26 (E)			26
Mexican Free-tailed Bat		9 (E)	·		9
Big Free-tailed Bat		13 (E)			13
Southwestern Myotis		4 (E)			4
Allen's Big-eared Bat		3 (E)			3
Swift Fox		15 (G)			15
Gray Wolf			12 (G)		12

#### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- Each principal investigator has considered alternatives to painful procedures.
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).				
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME AND TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL	DATE SIGNED December 8.1999		

APHIS FORM 7023 (Replaces VS Form 18-23 (OCT 88), which is obsolete.)
(AUG 91)

The report is required by law (7 USC 2143). Failure to report according to the regulations can Result in an order to cease and desist and to be subject to penalties as provided for in Section 2150.

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE REGISTRATION NO.

10-F-0008

FORM APPROVED OMB NO. 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(Type or Print)

2. HEADQUARTERS RESEARCH FACILITY (Name/Address, as registered with USDA, include Zip Code)

U.S. Department of the Interior

U.S. Geological Survey Biological Resources Division 12201 Sunrise Valley Drive, MS 300

Reston, Virginia 20192

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use this form).

A. Animals Covered by the Animal Welfare Regulations  12. &/OR 13. Other (List by species)	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgestic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report.)	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
White-tailed Deer			38 (G)		38
Florida Manatees		20 (F)			20
Merriam kangaroo rat	·	303 (D)			303
California vole		1294 (D)			1294
Antelope ground squirrel		1 (D)			1
San Joaquin antelope		42 (D)			42
Short-nosed kangaroo rat		54 (D)			54
San Joaquin pocket mouse		21 (D)			21
	<del> </del>	11 (D)			11
Pacific jumping mouse		11 (0)			8
Dusky-footed woodrat	·	8 (D)	<u>                                     </u>		•

#### ASSURANCE STATEMENTS

Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

Each principal investigator has considered alternatives to painful procedures.

This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is 3 attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACIL (Chief Executive Officer or Legally Responsible Institutional Officer of Legally Responsible (7 U.S.C. Section 1) Certify that the above is true, correct, and complete (7 U.S.C. Section 1)	Hicial)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME AND TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL	DATE SIGNED December 8, 1999

APHIS FORM 7023 (Replaces VS Form 1/8-23 (OCT 88), which is obsolete.) (AUG 91)

The report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150.

See reverse side for additional information. Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 10-F-0008

FORM APPROVED OMB NO. 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF **RESEARCH FACILITY** 

(Type or Print)

2. HEADQUARTERS RESEARCH FACILITY (Name/Address, as registered with USDA, include Zip Code)

U.S. Department of the Interior

U.S. Geological Survey Biological Resources Division

12201 Sunrise Valley Drive, MS 300

Reston, Virginia 20192

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use this form).

A. Animals Covered by the Animal Welfare Regulations  12. &/OR 13. Other (List by species)	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgestic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report.)	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
Trowbridge's shrew		222 (D)			222
Vagrant shrew		125 (D)			125
Pacific shrew		15 (D)			15
Shrew mole		20 (D)			20
Broad-footed mole		5 (D)			5
Sonoma chipmunk		2 (D)	·		2
Valley (Botta's) pocket gopher		23 (D)			23
Western harvest mouse		558 (D)			558
Deer mouse		2397 (D) 1 (E)			2398

#### ASSURANCE STATEMENTS

Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

Each principal investigator has considered alternatives to painful procedures.

This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICA	TION	BY HEADQ	UARTERS	RESEARCE	<b>LEACILITY</b>	OFFICIAL
400 1 6 70			- 11 T)	-:Ll- Ieitest	ional Official	•

(Chief Executive Officer or Legally Responsible Institu I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME AND TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL



DATE SIGNED December 8, 1999

APHIS FORM 7023 (Replaces VS Form 18-23 (OCT 88), which is obsolete.) (AUG 91)

The report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150. See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

FORM APPROVED OMB NO. 0579-0036 REGISTRATION NO. UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 10-F-0008 2. HEADQUARTERS RESEARCH FACILITY (Name/Address, as registered with USDA, CONTINUATION SHEET FOR ANNUAL REPORT OF include Zip Code) RESEARCH FACILITY U.S. Department of the Interior (Type or Print) U.S. Geolegical Survey Biological Resources Division 12201 Sunfise Valley Drive, MS 300 Reston, Virginia 20192

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use this form).

A. Animals Covered by the Animal Welfare Regulations  12. &/OR 13. Other (List by species)	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report.)	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
Mountain Lion			4 (D)		4
White-footed Mouse	256 (B)	200 (B)			200
Short-tailed Shrew	5 (B)	5 (B)			5
				·	

#### **ASSURANCE STATEMENTS**

Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing 1 drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

Each principal investigator has considered alternatives to painful procedures.

This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and 3 explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACIL (Chief Executive Officer or Legally Responsible Institutional Of I certify that the above is true, correct, and complete (7 U.S.C. Section 1)	ficial)	·
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME AND TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL	DATE SIGNED December 8, 1999

APHIS FORM 7023 (Replaces VS Form 18-23 (OCT 88), which is obsolete.) (AUG 91)

December 7, 1999

To:

USGS Senior Staff Biologist Attn: Dr. David L. Trauger

From:

USGS-NWHC, Madison, WI

Subject: Animal Welfare Act - APHIS Annual Animal Use Report

(justification regarding procedures producing pain or distress)

During this reporting year the 345 laboratory mice and 17 domestic ferrets were utilized in procedures producing pain and distress in which the use of anesthetic, analgetic, or tranquilizing drugs would have adversely affected the procedures or the results.

Laboratory mice were utilized for the purpose of detecting botulism toxin in research and diagnostic samples. This test relies on the visible adverse reaction of the test animal to the toxin. Mice were euthanized as soon as a positive results were confirmed. The facility utilized non animal consumptive technology whenever feasible.

Black-footed ferrets are quite sensitive and susceptible to the plague bacteria. The purpose of this research is to develop a protective vaccine for black-footed ferrets being released into the "wild" or being captive reared. Hybid ferrets were utilized to test the efficacy of an anti-plague bacteria vaccine. The end point for the experiment is the animal developing the signs and symptoms of the disease. Animals were euthanized as soon as the signs and symptoms of an infection were observed and confirmed.

Please contact me at 608-270-2420 if you require additional information for this report.



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10 F 0008

#### Attachment to APHIS Forms 7023 and 7023-A

**APHIS Registration No: 10-F-0008** 

#### 3. Reporting Facility.

Eight research facilities in the U.S. Geological Survey (USGS Biological Resources Division (BRD) reported use of animals covered by the Animal Welfare Act under APHIS Registration No: 10-F-0008 in Fiscal Year 1999. Seven other research centers had no reportable animal use during Fiscal Year 1999. Research with animals at BRD's Cooperative Research Units affiliated with universities throughout the United States are reported through the host universities.

- A) National Wildlife Health Center (NWHC) 6006 Schroeder Road Madison, WI 53711-6223 608-264-5411
- B) Patuxent Wildlife Research Center (PWRC) 12100 Beech Forest Road Laurel, MD 20708-4039 301-497-5500
- C) Leetown Science Center (LSC) 1700 Leetown Road Kearneysville, WV 25430 304-725-8461 (ext. 218)
- D) Western Ecological Research Center (WERC)
  California State University-Sacramento
  6000 J Street, Placer Hall
  Sacramento, CA 95819-6129
  916-278-3250
- E) Midcontinent Ecological Science Center (MESC) 4512 McMurry Avenue Fort Collins, CO 80525-3400 970-226-9100
- F) Florida Caribbean Science Center (FCSC) 7920 NW 71<sup>st</sup> Street Gainesville, FL 32653 352-378-8181
- G) Northern Prairie Wildlife Research Center (NPWRC) 8711 37th Street, S.E.
  Jamestown, ND 58401-7317
  701-253-5515
- H) Alaska Biological Science Center (ABSC) 1011 East Tudor Road Anchorage, AK 99503-6199 907-786-3512

945

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 58-F-0006

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

USDA/ARS/CMAVE 1600 S.W. 23rd Drive Gainesville, FL 32608

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

REPORT OF ANIMALS USED BY C	R UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if ne	cesser Mose APHIS FORM (0834)  E. Number of animals upon which teaching,	<b>,</b>
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments research, surgery or tests were codducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMAL: (Cols. C + D + E)
4. Dogs				<u> </u>	
5. Cats	<u> </u>				
6. Guinea Pigs		6	·		6
7. Hamsters					
8. Rabbits		· 			
9. Non-human Primates					ļ
10. Sheep					ļ
11. Pigs					ļ
12. Other Farm Animals					
Chickens		8	·		8
13. Other Animals					
			<u> </u>		<del> </del>

- Prolessionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED



UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 58F 000

**FORM APPROVED** OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code,

Life Sciences Support Facility

Hangar L, CCAS

Mail Code: BIO-3

- NOV 0 5 1999

32899 Kennedy Space Center, FL

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) Same as Item #2

**FACILITY LOCATIONS (Sites)** 

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A) Number of animals upon which teaching, B. Number of C Number of Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments, conducted involving accompanying pain or distress bred. which teaching, **Animals Covered** teaching, research, to the animals and for which the use of appropriate conditioned, or research, By The Animal TOTAL NO. surgery, or lests were held for use in anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS **Wellare Regulations** experiments, or conducted involving have adversely affected the procedures, results, or teaching, testing, lesis were accompanying pain or interpretation of the teaching, research experiments, distress to the animals conducted research, or experiments, surgery, or tests. (An explanation of (Cols. C + D + E) involving no and for which appropriate the procedures producing pain or distress in these surgery but not pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were purposes. must be attached to this report). relieving drugs. 0 0 0 0 0 Dogs 0 0 0 0 0 Cats 0 0 0 O 0 Guinea Pigs 0 0 0 0 0 Hamsters 0 0 0 0 0 8. Rabbits 0 0 0 0 0 Non-human Primates 0 0 0 0 0 10. Sheep 0 0 0 0 0 11. Pigs 0 0 0 0 0 12. Other Farm Animals 0 0 0 0 0 13. Other Animals

#### **ASSURANCE STATEMENTS**

966

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use

(Chief Executive Officer or	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) e, correct, and complete (7 U S C. Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
$= \left( \frac{1}{2} \left( \frac{1}{2} \right) \left( \frac{1}{2} \right) \right)$	C()(n)(c)	10.27.99

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

UNITED STATES	DEPARTMENT	OF AGRICULTURE
ANIMAL AND PLA	NT HEALTH IN	SPECTION SERVICE

1. REGISTRATION NO. 57 - F-0005

FORM APPROVED OMB NO. 0579-0036

98-99

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT) NOV 1.5

USDA, Agricultural Research Service

NOV 15 19950 College Station Road Russell Research Center

Athens, GA 30605

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional should it increases.)

**FACILITY LOCATIONS (Siles)** 

UGA, Poultry Diagnostic & Research Center

953 College Station Road, Athens, GA 30602

USDA, ARS, RRC

950 College Station Road, Athens, GA 30605

UGA, Swine Farm

South Milledge Ave., Athens, GA 30602

UGA, Poultry Research Center

South Milledge Ave., Athens, GA 30602

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs	·		143		143
12. Other Farm Animals					
Poultry			3666		3666
13. Other Animals					
Rats		116			116

#### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

- Cb)(6/ - (-)(7/(1) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/3/99

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

FORM APPROVED EL

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Comma
Depar

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Commander Tripler Army Medical Center

Commander, Tripler Army Medical Center
Department of Clinical Investigation —
ATTN: MCHK-CI (MAJ Goodwin)
Tripler AMC, HI 96859-5000

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

Bldg. 147B/148, Animal Facility, TAMC

Bldg. 40, Animal Research Facility, TAMC

Bldg. 40, Animal F				cessary or use APHIS FORM 7023A.)	
A.  Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs	18	26	10	13	49
7. Hamsters			· · · · · · · · · · · · · · · · · · ·		
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs			16		16
12. Other Farm Animals					
Goats			15		15
13. Other Animals					
Ferrets			5		5
ASSURANCE STATEMENTS					

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing debt, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility:

2). Each principal investigator has considered alternatives to painful procedures

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is affacted to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the specific and mimber of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
-	(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7/U S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

140d99

APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolete)

95F0001

### Optional Column E Explanation Form

This form is intended as an aid to completing the Column E explanation. It is <u>not</u> an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists.

1. Registration	Number: 95-F-000	1
2. Number	13	of animals used in this study.
3. Species (com	mon name) guinea pig	gs of animals used in this study.

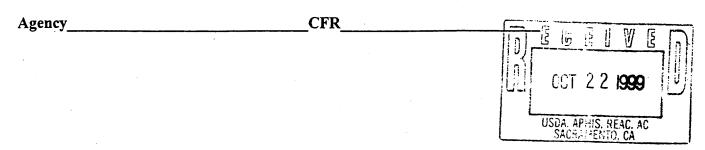
4. Explain the procedure producing pain and/or distress.

Starting at one to two days of age, neonatal guinea pigs are exposed to an atmosphere of 95% oxygen and 20 ppm nitric oxide for up to five days. Exposure to hyperoxia alone often produces respiratory distress after three to five days of exposure. Exposure to the combination of hyperoxia and nitric oxide may also result in respiratory distress. It should be noted that an early endpoint is used in this study: the guinea pigs are euthanized as soon as they progress beyond mild respiratory distress to develop cyanosis, lethargy, pallor, or abnormal resting posture.

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see question 6 below)

The development of lung injury was a parameter being studied. Relief of any respiratory distress would have required anesthesia and intubation, both of which would have confounded the natural course of the pulmonary effects of hyperoxia and the potential mediating effects of nitric oxide. Furthermore, intubation and mechanical ventilation would potentially introduce barotrauma as a confounding source of lung injury. Literature searches failed to reveal an alternative to the use of animals to measure the whole animal physiological functions of interest.

6. What, if any, federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):



95F0001

## Optional Column E Explanation Form

This form is intended as an aid to completing the Column E explanation. It is <u>not</u> an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists.

1. Registration Number: 95-F-0001		
2. Number 13	_of animals used in this study.	
3. Species (common name) guinea pigs	of animals used in this study.	

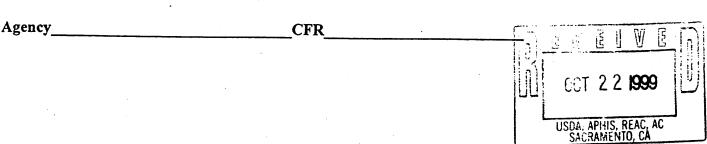
4. Explain the procedure producing pain and/or distress.

Starting at one to two days of age, neonatal guinea pigs are exposed to an atmosphere of 95% oxygen and 20 ppm nitric oxide for up to five days. Exposure to hyperoxia alone often produces respiratory distress after three to five days of exposure. Exposure to the combination of hyperoxia and nitric oxide may also result in respiratory distress. It should be noted that an early endpoint is used in this study: the guinea pigs are euthanized as soon as they progress beyond mild respiratory distress to develop cyanosis, lethargy, pallor, or abnormal resting posture.

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6. What, if any, federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):



UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

,्रुट्रि

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

## ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Southwest Fisheries Science Center
Honolulu Laboratory
2570 Dole St.
Honolulu, HI 96822-2396

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

Kewalo Research Facility

1125 b Ala Moana Blvd.

Honolulu, HI 96815

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
Hawaiian monk	2	8			8
seal					
					•
ASSURANCE STATEMENTS					

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility:
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to over see the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL CONTROLL C

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(b)(7)(c)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

Honolulu Laboratory

DATE SIGNED

11/26/99

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

(b)(b), (b)(7)(c)

PART 1 - HEADQUARTERS

See reverse side for additional information.

Interagency Report Courrol No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 82-F-0002

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

USDA ARS PACIFIC WEST AREA
RANGE SHEEP PRODUCTION EFFICIENCY UNIT
HC 62, Box 2010
DUBOIS IDAHO 83423

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

SATELLITE RANCHES @ HUMPHREY & HENNINGER, IDAHC STATION HEADQUARTERS, DUBCIS, IDAHC SUMMER & WINTER AREAS, IDAHO & MONTANA FEEDLOT, MUD LAKE, IDAHO REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A. E. Number of animals upon which teaching, B. Number of C Number of D. Number of animals upon animals being experiments, research, surgery or tests were animals upor which experiments, conducted involving accompanying pain or distress which leaching, Animals Covered teaching, research, to the animals and for which the use of appropriate By The Animal conditioned, or research, TOTAL NO. surgery, or tests were anesthetic, analgesic, or tranquilizing drugs would held for use in OF ANIMALS Welfare Regulations experiments, or conducted involving have adversely affected the procedures, results, or teaching, testing, lests were accompanying pain or distress to the animals interpretation of the teaching, research experiments. conducted experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these (Cols. C + D + E) research, or on pnivlovni and for which appropriate surgery but not pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used vet used for such use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. used Dogs Cats Guinea Pigs Hamsters Rabbits Non-human Primates 0 0 0 10. Sheep \* 11. Pigs 12. Other Farm Animals 13. Other Animals \*NCTE: We maintain a population of approximately 4200 ewes and rams at this location. They are used solely in animal nutrition, breeding, physiology and management research, -productionthat has its objective the improvement of food and fiber ß ILD ASSURANCE STATEMENTS 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and transplaining drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this recearch believe. and following actual research, teaching, testing, surgery, or experimentation were followed by this research 2). Each principal investigator has considered alternatives to painful procedures 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary dealt such exceptions is attacted to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions (IS) All summary and number of animals affected.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

Legally that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.F.O. (b) (C



DATE SIGNED

10/12/99

PHIS PORM 7023 (Replaces VS FORM 18-23 (OCT 88), which is obsolete )
(AUG 91)

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of a

SACRAMENTO CORRECTE the adequacy of other aspects of

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 33-F-0001

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Naval Dental Research Institute

Naval Dental Research Institute 310A B Street Great Lakes IL 60088-5259

708

Animal Colony - Bldg 43-H

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM 7023A.) Number of C Number of D. Number of arumals upon experiments, research, surgery or tests were animals being animals upon which experiments, conducted involving accompanying pain or distress bred. which leaching. teaching, research, **Animals Covered** to the animals and for which the use of appropriate TOTAL NO. conditioned, or research, surgery, or tests were By The Animal anesthetic, analgesic, or tranquitizing drugs would OF ANIMALS experiments, or held for use in conducted involving Welfare Regulations have adversely affected the procedures, results, or teaching, testing tests were accompanying pain or distress to the animals interpretation of the teaching, research, experiments. conducted (Cols. C + D + E) experiments, surgery, or tests. (An explanation of research, or involvina na and for which appropriate the procedures producing pain or distress in these surgery but not pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs 4. Dogs Cats Guinea Pigs Hamsters 3 3 8. Rabbits Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY O	FFICIAL
(Chief Proporting Officer or Legally Responsible Institutional Of	Ticial)

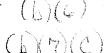
I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

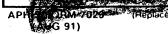
DATE SIGNED

23 Nov 95

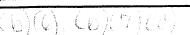
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL







RM 18-23 (OCT 88), which is obsolete)



See reverse side to additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

A 4 77

**ANNUAL REPORT OF RESEARCH FACILITY** (TYPE OR PRINT)

32-Y-0001

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

Department of Veterans Affairs Central Office 810 Vermont Ave., N.W. Washington, DC 20420

791

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

**FACILITY LOCATIONS (Sites)** 

VA Medical Center 583

1481 W 10th Street

Indianapolis, IN 46202

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
t. Dogs					
5. Cats			·		
5. Guinea Pigs					
. Hamsters					
3. Rabbits			11		1
Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals		,			
		1			

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, p and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

50 1 1 55° C

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 1. REGISTRATION NO. 42-V-002

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code). §

Department of Veterans Affairs Central Office 810 Vermont Avenue NW Washington, D.C. 20420

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

FACILITY LOCATIONS (Siles)

584

VA Medical Center Highway 6 West

Iowa City, IA 52246

University of Iowa Animal Care Unit

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMAL: (Cols. C + D + E)
4. Dogs			87		87
5. Cats					
6. Guinea Pigs			18		18
7. Hamsters	12	96			96
8. Rabbits	·		4		4
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
		~			
13. Other Animals RATS	8	· 137	1456		1593
Opossum	6		100		100
Frog			15		15
Mice	1190	33 3611	1511		5122

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11-9-97

PHIS FORM 7023 (Replaces VS FORM 18-23 (OCT 88), which is obsolete )
(AUG 91)



See reverse side for

Interagency Report Control No. 0180-DOA-AN

1. REGISTRATION NO. 42-V-003 42-V-000 3

FORM APPROVED OMB NO 0579-0036

ETION OF SELECT FORM 7023

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) WA Medical Center

30th & Euclid Avenue Des Moines, IA 50310 SaeA shi at bengasa ay wansa mi bar

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, tead	-		• •	
sheets if necessary.)			~	

FACILITY LOCATIONS (Sites)

555 VA CENTRAL IOWA HEALTH CARE SYSTEM

er etg i gen gen de se se er e i de

DES MOINES, IOWA

OCTOBER 1998 - SEPTEMBER 1999

<b>A</b>			C Number of maintains upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments;" teaching, research, surgery, or lests were conducted involving accompanying paint or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analysesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4.	Dogs	î.		77		77
	Cats	6		20		20
	Guinea Pigs					
	Hamsters					
	Rabbits					
	Non-human Primates					
	Sheep					
	Pigs					
	Other Farm Animals	:		·	Section 1	
		74. 77.				
13.	Other Animals	(1) (4) 1 - 東京(4) 2 C	est een mark	in the second se	and the second s	pes 15 - 4
	Rats	15		157		157
		<u>\$.</u>				

### ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION	BY HEADQUARTE	S RESEARCH I	FACILITY OFFICIAL
(Chief Executive	Officer or Legally	Responsible Ins	titutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED MELA CHAM

8-23 (OCT 88), which is obsolete.)

7623 (Revolse)

additional information

FORM APPROVED OMB NO. 0579-0036

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

42- F-0007

HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

USDA ARS MWA
NATIONAL ANIMAL DISEASE CENTER
P.O. Box 70, 2300 Dayton Avenue
Ames, IA 50010

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

2300 Dayton Avenue

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, . teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
I. Dogs					
i. Cats					
5. Guinea Pigs					
7. Hamsters			87	10	97
3. Rabbits		12	85		97
9. Non-human Primates					
10. Sheep		63	109	21	193
11. Pigs		900	140	530	1570
Horse 12. Other Farm Animals	·	2	<u> </u>		2
Cattle		229	49	44	322
Goats 13. Other Animals		19	·	3	22
Bison		24	·	16	40
Deer		137		14	151
Elk Raccoons		11 55	6		17

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF CEO OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

12/01/49

ADUIC FORM 7023

ces VS FORM 18-23 (OCT 88), which is obsolete.)

See reverse side tor additional information.

Interagency Report Control No .0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.: 48V000 48-V-002

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Department of Veterans Affairs Central Office

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

810 Vermont Avenue, NW Washington, D.C. 20420

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

### FACILITY LOCATIONS (Sites)

VA Medical & Regional Office Center R&D Office (11PM-2/151), Bldg. 5 5500 East Kellogg

Wichita, KS 67218-1698

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs					
5. Cats	<u> </u>				
6. Guinea Pigs				"NO ANIMALS	
7. Hamsters				USED THIS	
8. Rabbits				YEAR, FY 99."	
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals	1 (a	runi <i>pia</i> rusan	· .cm. Leature and t	nizio egistro de la composito	

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FA	ACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Insti-	tutional Official)

I certify that the above is true, correct, and

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

DATE SIGNED

9-28-99

See reverse side for additional information.

/ 36 T Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 72-V-002 72V0002

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Department of Veterins Affairs Central Office

810 Vermont Avenue NW Washington, D.C. 20420

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)	
----------------------------	--

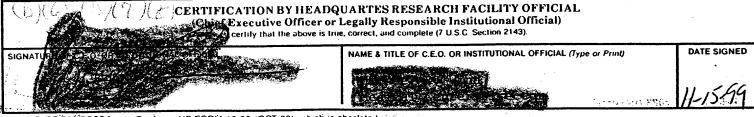
667 VA Medical Center

510 East Stoner Avenue Shreveport, La 71101

	RUNDER CONTROL OF		(Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A.)	
A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	0				0==
5. Cats	0				0
6. Guinea Pigs	0				0
7. Hamsters	0			1	0
8. Rabbits	0				0
9. Non-human Primates	0				0
10. Sheep	0				0
11. Pigs	0				0
12. Other Farm Animals	0				0
13. Other Animals					
All animals are	Housed at t	he LSU Medi	dal Center-Shre	veport Animal Facility.	
ASSUBANCE STATEMENTS					

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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See reverse side for additional information 1262 Interagency Report Control No 0180-DOA-AN 1500

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION, NO. 72-4-003 72 F0002 FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Department of Veterans Affairs Central Office ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 810 Vermont Avenue, N.W. Washington, D.C.

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 629 VA Medical Center 1601 Perdido Street New Orleans, LA 70112

REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if ne	cessury or use APHIS FORM 7023A.)	<u>:</u>
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits			200		200
9. Non-human Primates					
10. Sheep					<u> </u>
11. Pigs					
12. Other Farm Animals					
13. Other Animals					<del> </del>
· · · · · · · · · · · · · · · · · · ·					
	<u> </u>				<u> </u>

### **ASSURANCE STATEMENTS**

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CERTIF (Chie	ICATION BY HEADON AND ASSEARCH FACILITY OFFICIAL  f Executive Officers and the misible Institutional Official).  I certify that the above of the second seco	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL		DATE SIGNED () - 5 - 5)

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is solete.)

equired by law (7 USC 2143). Pallure to re der to cease and desist and to be subj	oenalties as provided for in Section 215
UNITED STATES DEPARTMENT OF ALANIMAL AND PLANT HEALTH INSPECT	I REGI

STRATION NO.

FORM APPROVED

OMB NO. 0579-0036

HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA bydude Zip Code)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

U.S. ARMY Center for Health Promotion and •Preventive Medicine / Toxicology Division 5158 Blackhawk Rd.

APG, MD 21010-5422

3. RÉPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

**FACILITY LOCATIONS (Sites)** 

USACHPPM, BLDG E2100

Various field sites

Aberdeen Proving Ground, Maryland

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats	·				
6. Guinea Pigs		118		22	140
7. Hamsters					
8. Rabbits		36			36
9. Non-human Primates					
10. Sheep					
11. Pigs			· · · · · · · · · · · · · · · · · · ·		
12. Other Farm Animals					
13. Other Animals					
Deer Mice			631		631
Shorttail Shrew			1		1
Red backed vole			1		1
ASSURANCE STATEMENTS		_			

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

991028

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

UNITED STATES DEPARTMENT C ANIMAL AND PLANT HEALTH INSI RICULTURE ON SERVICE 1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

51-F-0005 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code) S.ARMY Center for Health Promotion and JUS.ARMY Center for hearth from the Preventive Medicine / Toxicology Division 5158 Blackhawk Rd.
ACG, MD 21010-5422

CONTINUATION SHEET FOR AND OF RESEARCH FACEL		理	DF	V	[
(TYPE OR PRINT	NOV	0	2	199	39

Animals Covered By The Animal Welfare Regulations  12 &/OR 13 Other (Ust by species)	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analyesic, or tranquilizing drugs were used.		Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (COIS. C + D + E)
lispid Cotton Rat			3	-		3
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				1		
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				1		
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### ASSURANCE STATEMENTS

(AUG 91)

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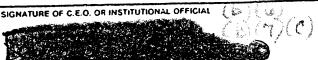
CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Exertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

991028



0180-DOA-AN

UNITED STATES DEPARTMENT OF ANIMAL AND PLANT HEALTH INSP

ICULTURE JN SERVICE 1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

51-F-0005

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

OF RESEARCH FACILITY (TYPE OR PRINT) NOV 0 2 1999

HGS.ARMY Center for Health Promotion and Preventive Medicine / Toxicology Division 158 Blackhawk Rd.

MD 21010-5422

REPORT OF ANIMALS USED BY OR	UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if neo	cossary or use this form )	
A.  Animals Covered By The Animal Welfare Regulations  12 &/OR 13 Other (Ust by species)	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analyesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	TOTAL NO OF ANIMALS (Cols. C + D + E)
Meadow jumping					
mouse			11		1
Raccoons			3		3
Ord's Kangaroo Rat			3		. 3
Chipmunk			1		1
Meadow Vole			7		7
Prarie Vole			2		2
Mouse			9		9
Mexican Woodrat			18		18
Bushy-tailed Woodra	t		3		3
Northern Grasshoppe					
mouse			11		11
Great Basin Pocket					
mouse			3		3
Cotton Mice			2		2
White-footed Mice			54		54
Pinyon mouse			45		45
Western Harvest					
mouse			24		24
ASSURANCE STATEMENTS					

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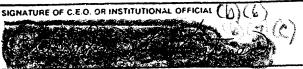
### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

991028



## Optional Column E Explanation Form

and its use is volun not required as part	ed as an aid to completing the tary. Names, addresses, protest of an explanation. A Columersons as well as scientists.	otocols, veterinary care	e programs, and the like,	
1. Registration N	umber:			
2. Number 22		_of animals used in t	his study.	
3. Species (common	n name) guinea pig	_of animals used in t	his study.	•
4. Explain the pro	cedure producing pain an	d/or distress.		
Twenty-two gui cholinesterase intramuscular	nea pigs were used to inhibiting compounds. injection or by inhala in this manner were pl	determine the rel These animals w tion of a vapor o	ere tested either by r particulate materi	al.
•				
relieved. State met	ic justification why pain a hods or means used to det re with test results. (For F	ermine that pain and	d/or distress	•
question 6 below)	(2 01 2	ocorany management too.	5, 500	
pain in the pophysiological may act as responds. Exassociated anxistudies and an	nalgesics or tranquili st-exposure phase due effects of the test ar piratory depressants a ternal stimuli and man iety. The Institution y subsequent protocol o monitor study conduc	to their ability the ticle. Anesthetic and could potential ipulation were minal Care and amendments. Expense	to interfere with the cs, analgesics and to the toxic action of the committee appropried to the committee appropried staff vetering	e ranquilizer of test any oved these
	eral regulations require thing Regulations (CFR) title notes, 9 CFR 113.102):			
Agency	CF	R		

### DEPARTMENT OF THE ARMY



UNITED STATES ARMY MEDICAL RESEARCH INSTITUTE OF CHEMICAL DEFENSE

3100 RICKETTS POINT ROAD ABERDEEN PROVING GROUND, MARYLAND 21010-5425

12/21/99

REPLY TO

DEC 2 1999

51F000G

**Comparative Medicine Division** 

United States Department of Agriculture Animal and Plant Health Inspection Service Animal Care Eastern Region 2568-A Riva Road, Suite 302 Annapolis, Maryland 21401-7400

Dear Sir/Madam:

Enclosed you will find the **corrected** Annual Report of Research Facility, APHIS Form 7023, for the period October 1, 1998 through September 30, 1999.

The following is the correct mailing name and address for Registration Number 51-F-0006:

Commander
U.S. Army Medical Research Institute of Chemical Defense
ATTN: MCMR-UV-ZA
3100 Ricketts Point Road
Aberdeen Proving Ground, MD 21010-5400

Point of contact for this action is

(b)(6) (b) (7)(c)

Sincerely,

(b)(b) (b)(r)(c)

**Enclosure** 

UEC 21 1999

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 51-F-0006 FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

U.S. Army Medical Research Institute

of Chemical Defense

3100 Ricketts Point Road Aberdeen Proving Ground, MD 21010-5400

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Siles)

Address in Block 2 includes:

Buildings E3100, E3081, E3156, and E3244

A. Animals Covered By The Animal Wellare Regulations	8. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs	D Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	TOTAL NO OF ANIMALS (COIs. C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	. 0	0	0	0	0
6. Guinea Pigs	0	154	467	1,754	2,375
7. Hamsters	0	0	00	0	0
8. Rabbits	0	00	44	0	44
9. Non-human Primates	0	0	48	36	. 84
10. Sheep	0	0	0	0	0
11. Pigs	0	41	38	0	79
12. Other Farm Animals					
13. Other Animals					

### ASSURANCE STATEMENTS

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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Legitly that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL DIPER PRINTI

M 18-23 (OCT 88), which is obsolute )



PART 1 - HEADQUARTERS

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

51-F-0006

FORM APPROVED

OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

U.S. Army Medical Research Institute of Chemical Defense

3100 Ricketts Point Road

21010-5400 Aberdeen Proving Ground, MD

437

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

Address in Block 2 includes:

A.  Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	1,827	488	60	2,375
7. Hamsters	0	0	0	0	0_
8. Rabbits	0	0	44	0	44
9. Non-human Primates	0	36	48	0	84
10. Sheep	0	0	0	0	0
11. Pigs	0	47	32	0	79_
12. Other Farm Animals	0	0	0	0	0
13. Other Animals					
N/A					

### **ASSURANCE STATEMENTS**

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) (b)(6)(b)(7)(c)

DATE SIGNED



S FORM 18-23 (OCT 88), which is obsolete)

51 F 0006

10/27/99

Column E Explanation Form USAMRICD – FY99 Registration Number – 51-F-0006 Page 1 of 3

- 1. A total of 45 column "E"guinea pigs were utilized in this study.
- 2. Painful procedure: Guinea pigs receive a convulsive dose of nerve agent which is thought (but not documented) to cause some pain and/or distress due to the intense physical activity caused by the seizure. There is a potential for the pain and/or distress to be relieved to some extent by the administration of one of the test drugs that successfully terminates the seizure.
- 3. Justification: Anesthetics and analgesics are known to have profound effects on brain function that can interact with the drugs of interest (Marshall and Wollman, 1985), the synthesis and release of brain neurotransmitters (Beleslin and Polak, 1965; Ngai et al., 1978; Hanin, 1978), and/or the toxicity of the nerve agent (Clement, 1984) and thus complicate interpretation of the results. This is especially so since the purpose of the study is to model the pharmacological intervention a human nerve agent casualty would receive.
- 4. No federal regulations mandate this procedure.

51F0006

Column E Explanation Form USAMRICD - FY99 Registration Number - 51-F-0006 Page 2 of 3

10/27/99

- 1. A total of 9 column "E" guinea pigs were utilized in this study.
- 2. Painful procedure: The guinea pigs receive a dose of soman which results in seizure activity. Seizure activity may or may not be associated with motor convulsions, and if present, these convulsions will most likely bring about some degree of pain or discomfort. However, it has been suggested that animals are unresponsive during seizure activity and may not be aware of pain or distress. Thus, the worst case scenario is assumed.
- 3. Justification: To meet the objectives of this project, in terms of relevance to actual field conditions, it is critical that anticonvulsant drugs be evaluated in a model in which seizure activity is ongoing. The presence of anesthetics or analgesics will confound the data making it impossible to distinguish analgesic/anesthetic-induced perturbation from real differences. Thus, the administration of anesthetics or analgesics for this particular study will be counterproductive to the overall goals of the project.
- 4. No federal regulations mandate this procedure.

Column E Explanation Form USAMRICD – FY99 Registration Number – 51-F-0006 Page 3 of 3

# 51 F0006

- 1. A total of 6 column "E" guinea pigs were utilized in this study.
- 2. Painful procedure: Guinea pigs will receive a convulsive dose of the nerve agent soman, which is thought to cause some pain and/or distress due to the intense physical activity caused by the seizure.
- 3. Justification: The use of anesthetics and/or analgesics would result in misleading information regarding the role of mast cell mediated anaphylactoid reactions/mast cell degranulation in acute organophosphorous poisoning. Anesthetics/analgesics also have profound effects on brain function that can interact with the toxicity of the nerve agent and thus complicate interpretation of the results.
- 4. No federal regulations mandate this procedure.

Column E Explanation Form USAMRICD - FY99 Registration Number - 51-F-0006 Page 1 of 8 Protocol 1



- 1. A total of 231 column "E" guinea pigs were utilized in this study.
- 2. Painful procedure: Both species receive a convulsive dose of nerve agent which is thought (but not documented) to cause some pain and/or distress due to the intense physical activity caused by the seizure. There is a potential for the pain and/or distress to be relieved to some extent by the administration of one of the test drugs that successfully terminates the seizure.
- 3. Justification: Anesthetics and analgesics are known to have profound effects on brain function that can interact with the drugs of interest (Marshall and Wollman, 1985), the synthesis and release of brain neurotransmitters (Beleslin and Polak, 1965; Ngai et al., 1978; Hanin, 1978), and/or the toxicity of the nerve agent (Clement, 1984) and thus complicate interpretation of the results. This is especially so since the purpose of the study is to model the pharmacological intervention a human nerve agent casualty would receive.
- 4. No federal regulations mandate this procedure.

Column E Explanation Form USAMRICD – FY99 Registration Number – 51-F-0006 Page 2 of 8 Protocol 2 51 F000Gp 12/21/99

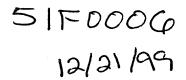
- 1. A total of 18 column "E" guinea pigs were utilized in this study.
- 2. Painful procedure: The guinea pigs receive a dose of soman which results in seizure activity. Seizure activity may or may not be associated with motor convulsions, and if present, these convulsions will most likely bring about some degree of pain or discomfort. However, it has been suggested that animals are unresponsive during seizure activity and may not be aware of pain or distress. Thus, the worst-case scenario is assumed.
- 3. Justification: To meet the objectives of this project, in terms of relevance to actual field conditions, it is critical that anticonvulsant drugs be evaluated in a model in which seizure activity is ongoing. The presence of anesthetics or analgesics will confound the data making it impossible to distinguish analgesic/anesthetic-induced perturbation from real differences. Thus, the administration of anesthetics or analgesics for this particular study will be counterproductive to the overall goals of the project.
- 4. No federal regulations mandate this procedure.

Column E Explanation Form USAMRICD - FY99 Registration Number - 51-F-0006 Page 3 of 8

# 5/F0006

- 1. A total of 18 column "E" guinea pigs were utilized in this study.
- 2. Painful procedure: Guinea pigs will receive a convulsive dose of the nerve agent soman, which is thought to cause some pain and/or distress due to the intense physical activity caused by the seizure.
- 3. Justification: The use of anesthetics and/or analgesics would result in misleading information regarding the role of mast cell mediated anaphylactoid reactions/mast cell degranulation in acute organophosphorous poisoning. Anesthetics/analgesics also have profound effects on brain function that can interact with the toxicity of the nerve agent and thus complicate interpretation of the results.
- 4. No federal regulations mandate this procedure.

Column E Explanation Form USAMRICD – FY99 Registration Number – 51-F-0006 Page 4 of 8

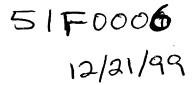


- 1. A total of 337 column "E" guinea pigs were utilized in this study.
- 2. Painful procedure: Guinea pigs receive a potentially convulsive dose of the nerve agents to be evaluated, and death from nerve agent intoxication is the primary endpoint of this protocol.
- 3. Justification: Death from nerve agent exposure is aesthetically unpleasant and probably painful to the animals due to the intense physical activity caused by the seizures. However, quantitative evaluation of nerve toxicity and the efficacy of therapeutic countermeasures requires exposure to anesthetics or analgesics to relieve pain would lead to an erroneous evaluation of the toxicity of these agents and the efficacy of pretreatment, treatment, and decontamination procedures.
- 4. No federal regulations mandate this procedure.

Column E Explanation Form USAMRICD - FY99 Registration Number - 51-F-0006 Page 5 of 8 5150006 12/21/99

- 1. A total of 328 column "E" guinea pigs were utilized in this study.
- 2. Painful procedure: Guinea pigs receive a convulsive dose of the nerve agent soman which is thought to cause some pain and/or distress due to the intense physical activity caused by the seizure.
- 3. Justification: The pain may be relieved to some extent by administration of one of the test drugs that successfully terminates the seizure. Anesthetics and analgesics are known to have profound effects on brain function that can interact with the drugs of interest and/or the toxicity of the nerve agent and thus complicate interpretation of the results. This is especially so since the purpose of the study is to model the pharmacological intervention a human nerve agent casualty would receive. Since the goal of the study is to evaluate the ability of novel anticonvulsant drugs to treat nerve agent-induced seizures, subjecting the animals to nerve agent intoxication that elicits seizures is essential.
- 4. No federal regulations mandate this procedure.

Column E Explanation Form USAMRICD - FY99 Registration Number - 51-F-0006 Page 6 of 8



- 1. A total of 24 column "E" non-human primates were utilized in this study.
- 2. Painful procedure: All monkeys receive a convulsive dose of the nerve agent soman, which is though to cause some pain and/or distress due to the intense physical activity caused by the seizure.
- 3. Justification: The pain may be relieved to some extent by administration of one of the test drugs that successfully terminates the seizure. Anesthetics and analgesics are known to have profound effects on brain function that can interact with the drugs of interest and/or the toxicity of the nerve agent and thus complicate interpretation of the results. This is especially so since the purpose of the study is to model the pharmacological intervention a human nerve agent casualty would receive. Since the goal of the study is to evaluate the ability of novel anticonvulsant drugs to treat nerve agent-induced seizures, subjecting the animals to nerve agent intoxication that elicits seizures is essential.
- 4. No federal regulations mandate this procedure.

Column E Explanation Form USAMRICD – FY99 Registration Number – 51-F-0006 Page 7 of 8 51 F0006

- 1. A total of 12 column "E" non-human primates were utilized in this study.
- 2. Painful procedure: Non-human primates may experience pain or distress due to exposure to cyanide.
- 3. Justification: Untreated cyanide administration induces rapid unconsciousness and death. Several authors have argued that this is painless and does not induce stress, and may actually produce analgesia (Tadic, 1992), while others have suggested that it does induce pain or distress (Potter, 1950). Recovery from cyanide intoxication may induce stress. The investigators believe that pretreatment with WR242,511 will prevent death. The efficacy or WR242,511 cannot be determined unless these animals are challenged with a potentially fatal dose of cyanide. However, it is not certain that these animals will not experience pain or distress as a result of the non-fatal cyanide exposure. The investigators have no other choice but to expect that cyanide administration may be painful/distressful.
- 4. No federal regulations mandate this procedure.

Column E Explanation Form USAMRICD - FY99 Registration Number - 51-F-0006 Page 8 of 8

# 51 F0006 12/21/99

- 1. A total of 822 column "E" guinea pigs were utilized in this study.
- 2. Painful procedure: Guinea pigs are exposed to various organophosphorus (OP) compounds.
- 3. Justification: Anesthetics and analgesics cannot be used in any of the procedures involving OP administration and/or pretreatment and treatment with any of the medical countermeasures. These procedures require exposure to near lethal and lethal doses of OP compounds in live unanesthetized animals. One of the principal effects of OP intoxication is respiration paralysis. This is also a major side effect of anesthetics and analgesics. Conducting these experiments under anesthesia or analgesia could lead to faulty interpretation of the toxicity data and/or the effectiveness of the countermeasures because of the synergistic respiratory depressant effects of these drugs with OPs.
- 4. No federal regulations mandate this procedure.

See reverse side los additional information. Interagency Report Con rol MG

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 51-F-0008

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

Include Zip Code) National Cancer Institute - Frederick Cancer Research and Development Center P.O. Box B

Frederick, MD 21702-1201

Attn:

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, nentation, or held for these purposes. Attach additional sheets if necessory.) same as headquarters

FACILITY LOCATIONS (Siles)

A Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquitizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F. TOTAL NO. OF ANIMAL (Cois. C 4 D + E)
4. Dogs				_	· · · · · ·
5. Cats					
6. Guinea Pigs	900				
7. Hamsters		·			
6. Rabbits		169	241		410
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals	,				
13. Other Animals			·		

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, lesting, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarion for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of aminal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)
I certify that the above is true, correct, and complete I7 U.S.C. Section 21431

NCI-FCRDC

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

piaces VS FORM 18-23 (OCT 88), which is obsolute ) (AUG 91)

e reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 51-F-0012

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

USDA, Agricultural Research Service Bldg. 003, BARC-West

Beltsville, MD 20705

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

BLDGS. 211, 010A, 1019, 1126, 1327, 308c, 307

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cois. C +  D + E)
. Dogs		7			7
5. Cats	40	50			50
6. Guinea Pigs		4 .			4
7. Hamsters					
3. Rabbits	2 (1(w/lit	er) 13	·		13
. Non-human Primates					
10. Sheep					
11. Pigs		·			
12. Other Farm Animals			-		
RATS	13 (1 w/lit	er) 559			559
13. Other Animals					
MICE	758	9082	1321		10,403
GERBILS		200		•	200

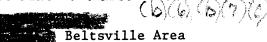
### ASSURANCE STATEMENTS

- 1). Prolessionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and lollowing actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)



DATE SIGNED

## Justification

Chickens, turkeys and bobwhite quail were used in studies on the pathophysiology and immunology of coccidiosis. The experimental design of these studies required that the natural course of the disease be allowed to progress; on occasion, this resulted in animals exhibiting signs of the disease for a period of one to three days. All infected animals were killed as soon as the experimental protocol allowed.

See reverse side for 013 additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

51-V-010 & 51-V-018

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

Department of Veterans Affairs Hentral Office 810 Vermont Avenue, N.W. Washington, D.C. 20420

(TYPE OR PRINT)

442

...

ANNUAL REPORT OF RESEARCH FACILITY

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 512 VA Medical Center VA Medical Center 10 N. Greene Street Perry Point, MD ... 21901 Baltimore, MD 21201

A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters	0	2,446	2,378	0	4,824
8. Rabbits	0	6	204	0	210
9. Non-human Primates					
10. Sheep					
11. Pigs		//		18	
12. Other Farm Animals	/				
	7		·		
13. Other Animals					
				5.	
	1				
			·		

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered atternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

	(Chief Executive	BY HEADQUARTES RESEARCH FACILITY OFFICIAL Officer or Legally Responsible Institutional Official) he above is true, correct and complete (7 U.S.C. Section 2143)	
SIGNATURE OF C.E.O. OR IN	NSTITUTIONAL OFFICIAL	Type or Print)	DATE SIGNED
APHIS FORM 7023 (AUG 91)	(Replaces VS FORM 18-23 (OCT 8	38), which is obsolete) (b)(c) (t) (r)	

reverse side lor ditional information. Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 51 F 0016 FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) National Institutes of Health (NIH) NIAID, Rocky Mountain Laboratories (RML) 903 S. 4th Street

Hamilton, MT 59840

NOV 2 9 1999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) NIH/NIAID/Rocky Mountain Laboratories

FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY O		RESEARCH FACILITY	' (Altach adidilional sheets if ne	cessary or use APHIS FORM 7023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs				· · · · · · · · · · · · · · · · · · ·	
5. Cats					
6. Guinea Pigs		22			22
7. Hamsters	879	354	463		817
8. Rabbits		32			32
9. Non-human Primates	68	34			34
10. Sheep		2			22
11. XXXX Cattle		2			2
12. Other Farm Animals					
Mink	4	93			93
13. Other Animals					
Microtus (vole)	45		·		
Vild Mice	55	15			15
(Peromyscus)				(	
ASSURANCE STATEMENTS					

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143). DAFE SIGNED SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) 27 NIAID/NIH

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )



UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 51 F0016 51-F-016

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

National Institutes of Health National Institute on Drug Abuse 2 9 1999 5600 Fisher Lane Rockville, Md. 20857

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)

NIH/NIDA/DIR

Baltimore, Md.

DEPOST OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	(Altach additional sheets if ne	cessary or use APHIS FORM 7023A)	
Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of paintrelieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquitizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and lor which the use of appropriate anesthetic, analgesuc, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	F. TOTAL NÓ. OF ANIMALS  (Cols. C + D + E)
. Done	0	0	0	0	0
4. Dogs 5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	0	0	
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	0	0	-
Non-human Primates	46	4 9	27	0	76 0
10. Sheep	Ö	0	0	0	-
11. Pigs	0	0		0	0
12. Patheriferon associates					<u> </u>
Pigeons	11	0	0	0	<u> </u>
13. Other Animals					
Frogs	0	0	65	0	. 65

### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, lesting, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the This facility is agreeing to the standards only regulations under the net, and it has required that exceptions to the standards and regulations de specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

10/27/49

SIGNATURE OF C.E.O. OR INSTIBUTIONAL OFFICIAL



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 51 FOOLO

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

National Institutes of Health National Institute of Mental Health Building 10 Room 4N224

NOV 2 9 1993

3. REPORTING FACILITY	(List all locations where	animals were housed or used in actual research, testing, teaching, or experimentation, or	held for these purposes.	Attach additional
sheets if necessary.)	7	•		
				<del></del>
		FACILITY LOCATIONS (Siles)	•	

### REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Allach adiditional sheets if necessary or use APHIS FORM 7023A) E. Number of animals upon which teaching, B. Number of C Number of D. Number of animals upon experiments, research, surgery or tests were animals being animals upon which experiments, conducted involving accompanying pain or distress bred. which leaching, **Animals Covered** teaching, research. to the animals and for which the use of appropriate TOTAL NO. conditioned, or By The Animal research. surgery, or lesis were anesthetic, analgesic, or tranquilizing drugs would held for use in experiments, or OF ANIMALS Welfare Regulations conducted involving have adversely affected the procedures, results, or leaching, lesling, lesis were accompanying pain or interpretation of the teaching, research, experiments, conducted distress to the animals experiments, surgery, or tests. (An explanation of (Cols. C + research, or involving no and for which appropriate the procedures producing pain or distress in these surgery but not pain, distress, or anesthetic, analoesic, or animals and the reasons such drugs were not used vet used for such use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. Dogs Cats Guinea Pigs Hamsters 12 12 Rabbits 59 253 84 Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 1 Goats 13. Other Animals 5,645 5,645 Chickens 60 13 574 587 Gerbils

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
	(Chief Executive Officer or Legally Responsible Institutional Official)
CAY(A) (A)(7)(M)	Licertify that the above is time, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & LITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

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ASSURANCE STATEMENTS

sheets if necessary.)

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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 2010 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA,

FORM APPROVED OMB NO. 0579-0036

include Zip Code) National Institute of Environmental

Health Sciences (NIEHS) NOV 2 9 1999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM 7023A.) Number of animals upon which leaching, F. B. Number of C Number of D. Number of animals upon experiments, research, surgery or tests were animals upon animals being which experiments, conducted involving accompanying pain or distress teaching, research, bred, which leaching, to the animals and for which the use of appropriate TOTAL NO. **Animals Covered** research. surgery, or lesis were conditioned, or anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS By The Animal held for use in experiments, or conducted involving have adversely affected the procedures, results, or Welfare Regulations tests were conducted interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of teaching, lesting, accompanying pain or distress to the animals (Cols. C + D + E) experiments, research, or involving no and for which appropriate the procedures producing pain or distress in these anesthetic, analgesic, or surgery but not pain, distress, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. used. 0 0 0 0 0 Dogs 0 0 0 0 0 Cats 66 0 66 0 0 Guinea Pigs 54 0 24 30 0 Hamsters 128 0 126 0 8. Rabbits 0 0 0 Non-human Primates 9. 0 0 0 10. Sheep 0 0 0 Pigs

#### **ASSURANCE STATEMENTS**

Frogs

Fish

13. Other Animals

Other Farm Animals

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, lesting, surgery, or experimentation were followed by this research facility.

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Each principal investigator has considered alternatives to painful procedures.

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- 3). This locility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In principal investigator and approved by the institutional contract and use committee (IACOC). A summary of an such exceptions is attached to this annual report addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Learnity that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

0

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NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) (B)(b)

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DATE SIGNED

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11/2/99

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

Bethesda, MD 20892-4206

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Codel

NINDS/NIDCD/NIH Bldg. 35, Bl25 35 Convert Drive

NOV 2.9 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessory.) FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Allach adiditional sheets if necessary or use APHIS FORM 7023A.) Number of animals upon which leaching, B. Number of Number of Number of aminals upon experiments, research, surgery or tests were animals being animals upon which experiments, conducted involving accompanying pain or distress bred. which leaching, leaching, research, **Animals Covered** to the animals and for which the use of appropriate TOTAL NO. conditioned, or research. surgery, or tests were conducted involving By The Animal anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS held for use in experiments, or Welfare Regulations have adversely allected the procedures, results, or teaching, testing, lesis were accompanying pain or interpretation of the teaching, research, conducted experiments, distress to the animals experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these (Cols. C + D + E) research, or involving no and for which appropriate pain, distress, or surgery but not anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs. used. 2 2 4. Dogs Cats 319 319 Guinea Pigs 725 Hamsters 177 110 67 Rabbits 99 18 323 Non-human Primates 10. Sheep 3 11. Pigs 12. Other Farm Animals 4 Horse 13. Other Animals Squirrels 182 80 14 66 **Gerbils** 164 164 22 **Ferrets** 

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL. (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

R NINDS

DATE SIGNED

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ASSURANCE STATEMENTS

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

### CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

NINDS/NIDCD/NIH Bldg. 35, B125

NOV 29 1999

35 Convert Drive 20892-4206 Bethesda, MD

			(Annah adiditional sheets if nec	ess	ary or use this form.)	
A Animals Covered By The Animal Wellare Regulations  12 8/OR 13 Other (List by species)	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain, relieving drugs.	D. Number of animals upon which experiments. teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analyesic, or tranquilizing drugs were used.	E.	Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affeched to this report).	TOTAL NO. OF ANIMALS  (COIS. C + D + E)
Fish		178		L		178
			20			20
Frogs				L		
				$oldsymbol{ol{ol{ol}}}}}}}}}}}}}}}}$		
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#### ASSURANCE STATEMENTS

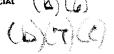
- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analysis, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the rins recently is entering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In principal investigator and approved by the institutional national care and use committee (Incoo). In summary of all such exceptions is attached to this animal report addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending vuterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

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	BY HEADQUARTES RESEARCH FACILITY OFFICIAL
COMPLEATION	RA HEADQUARIES RESERVOIT
CERTIFICATION	in the Institutional Official)
	Officer of Legally Responsible management
(Chief Executive	he above is true, correct, and complete (7 U.S.C. Section 2143)
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NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL





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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 0016 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

FORM APPROVED OMB NO. 0579-0036

NOV 29 1998

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Code)

NATIONAL EYE INSTITUTE

NATIONAL INSTITUTES OF HEALTH

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments; research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	11	0	83	0	83
5. Cats	0	0	0	. 0	0
6. Guinea Pigs	0	76	0	0	75
7. Hamsters	0	0	0	0	0
8. Rabbits	5	0	138	0	138
9. Non-human Primates	17	0	77	0	77
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals					
					_
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#### **ASSURANCE STATEMENTS**

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior 10, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL. (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

UNITED STATES DEPARTMEN. AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 51 F 0 0 1 (0

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

National Cancer Institute, NIH Bethesda, Maryland 20892

NOV 2.9 1999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM 7023A.) E. Number of animals upon which teaching. B. Number of C Number of D. Number of aminals upon experiments, research, surgery or tests were which experiments, animals being animals upon conducted involving accompanying pain or distress which leaching. bred. teaching, research, **Animals Covered** to the animals and for which the use of appropriate TOTAL NO. research. surgery, or lesis were By The Animal anesthetic, analgesic, or tranquitizing drugs would OF ANIMALS experiments, or conducted involving held for use in Welfare Regulations have adversely affected the procedures, results, or leaching, lesting, lesis were accompanying pain or interpretation of the teaching, research, experiments. conducted distress to the animals experiments, surgery, or tests. (An explanation of (Cols. C + D + E) research, or involving no and for which appropriate the procedures producing pain or distress in these pain, distress. Or surgery but not anesthetic, analgesic, or animals and the reasons such drugs were not used yel used for such use of paintranquilizing drugs were must be attached to this report). relieving drugs purposes. used. 92 92 0 0 0 Dogs 64 60 0 0 4 Cats 0 0 0 0 Guinea Pigs 0 0 0 0 0 7. Hamsters 283 283 0 0 0 Rabbits 277 182 0 30 95 9. Non-human Primates 22 22 0 6 0 10. Sheep 0 0 7 1 11. Pigs 0 0 0 0 12. Other Farm Animals 13. Other Animals 0 20 0 0 20 Frogs

#### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Exertify that the above is true, correct, and complete (7 U.S.C. Seution 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11/5/99

APHIS FORM 7023 V. (Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(AUG 91)

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Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 0016

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

Bldg. 49, Rm. 2A03

49 Convent Drive, MSC 4470

Bethesda, MD 20892 - NOV 2.9 1999

3. REPORTING FACILITY (List all locations where animal	s were housed or used in ac	tual research, testing, teaching,	or experimentation, or held to	or these purposes.	Attach additional
sheets if necessary.)					
	•				
	FACILIT	Y LOCATIONS (Siles)			•

A.  Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMAL:  (Cols. C +  D + E)
4. Dogs /		·		·	
5. Cats					
6. Guinea Pigs	·				
7. Hamsters					
8. Rabbits					
9. Non-human Primates	:				
10. Sheep					
11. Pigs					
12. Other Farm Animals					
· · · · · · · · · · · · · · · · · · ·					
13. Other Animals					
Cotton rats		60			60
Zebrafish		3200		<u> </u>	3200

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This lacility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

(Chief Executive Officer	OQUARTES RESEARCH FACILITY OFFICIAL or Legally Responsible Institutional Official) true, correct, and complete (7 U.S.C. Section 2143).	
SIGNATURE	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
	NHGRI	11/8/99

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

#### 1. REGISTRATION NO. 0016

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

National Institute on Aging Intramural Research Program NOV 2 9 1999 5600 Nathan Shock DRive Baltimore, MD 21224

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

**FACILITY LOCATIONS (Siles)** 

REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	(Altach adiditional sheets if ne	cussury or use APHIS FORM 7023A)	
A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs		3			3
5. Cats			•		
6. Guinea Pigs		3			3.
7. Hamsters					
8. Rabbits			220		220
9. Non-human Primates			169		169
10. Sheep					
11. Pigs			18		18
12. Other Farm Animals					
13. Other Animals					
·.					
	,				
ASSURANCE STATEMENTS					

- 1). Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)
Legithy that the above is true correct, and complete (7.1) \$ C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL







DATE SIGNED

'e reverse side for ditional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

#### 1. REGISTRATION NO. F 0014

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) NOV 29 1999 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

National Institute of Alcohol Abuse and Alcoholism

Division of Clinical & Biological Reset 12501 Washington Ave, MSC 8205

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

DEPOST OF ANIMAL SUSED BY OF	LINDER CONTROL OF	RESEARCH FACILITY	' (Altach adiditional sheets if n	ecessary or use APHIS FORM 7023A.)	
A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery or tests. (An explanation of	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	,		16		16
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals				·	
Xenopus			. 158	<u>:</u>	158
Bull-Frog	·	25			25
					1

- 1). Professionally acceptable standards governing the care, treatment, and use of animals; including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This lacility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

animal care and use.		
(Chief Executive Officer or	QUARTES RESEARCH FACILITY OFFICIAL.  Legally Responsible Institutional Official)  ie, correct, and complete (7 U.S.C. Section 2143).	
SIGNATURE OF O OR INSTRUCTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)  DICB	DATE SIGNED

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )

See reverse side for additional information. 0180-DOA-AN

UNITED STATES DEPARTMEN AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1 REGISTRATION NO. 51-F-0016

FORM APPROVED OMB NO: 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

Warren Grant Magnuson Clinical Center National Institutes of Health 10 Center Dr. Room 2C146 NOV 2.9 1999 Bethesda, Maryland 20892

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY C	R UNDER CONTROL OF	RESEARCH FACILITY	(Allach adictitional sheets if ne	cessary or use APHIS FORM 7023A.)	
Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and lor which appropriate anesthetic, analyesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery or tests. (An explanation of	TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs	52	0	8	8	16
5. Cats	0	0	0	0	, 0
6. Guinea Pigs	0	2	0	0	2
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0 -	8	0	8
9. Non-human Primates	0	0 ·	ii	0	11
10. Sheep					
11. Pigs 12. Other Farm Animals					
13. Other Animals					

#### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, lesting, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered atternatives to painful procedures
- 3). This faculity is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)





DATE SIGNED

# Warren Grant Magnuson 51 F0016 Clinical Center NIH Optional Column E Explanation Form NOV 29 1999

This form is intended as an aid to completing the Column E explanation. It is <u>not</u> an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists.

				·	· · · · · · · · · · · · · · · · · · ·
1. Registrat	·. ion Number:	51-F-0016			
2. Number_	8		_of an	imals used in this	study.
3. Species (c	ommon name)	Dog	_of an	imals used in this	study.
4. Explain t	he procedure pr	oducing pain ar	nd/or d	istress.	
only one which and has been v surgically introd succumb to infe visceral sympat distress and disinfection.	simulates the human of alidated to predict outs luced. This reliably pre- ection. In an attempt to thetic nervous, a celiac ecomfort associated wi	cardiovascular abnorm come with novel therap oduces sepsis and the o improve pain control, c plexus block, was per ith the systemic infection	nalities of sepies of sepies of sepies of sepies animals length of the sepies of the s	sepsis, in which standard besis. A live bacterial intrapecome sick, weak, deprickade of afferent pain fil This study is listed in Colthe initial 48 hours and keep the colors are colors and keep the colors are colors and keep the colors are colors.	pers originating from the flumn E because of the conger after the onset of the conger after th
relief would question 6 be	interfere with to	est results. (For	Federa	ne that pain and/o lly mandated testin	g, see
Septic shock is than doubled in therapies; there relieve suffering compromise the use of narcotics specifies that if	the leading cause of on the last decade. Hurn before, new therapies and these drugs also cause animal's health and the sand sedatives would at any time in the student.	nan septic shock has he re desperately needed use respiratory depres therefore are contraind effect survival and cor	had a pers  J. Although  Ssion and the  Country  Infound the  Country  Coun	e analysis of results. Nev r principal investigator de	te despite conventional es would potentially could further shock. Furthermore, the
the Code of		tions (CFR) title		ocedure? Cite the er and the specifi	
Agency	NIH	(	CFR	N/A	

See reverse side for additional information.

Interagency Report Control No. 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1 REGISTRATION NO. 51 F 0016

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA Include Zip Code)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Office of Research Services

Veterinary Resources Program

NOV 2.9 1999

2. REPORTING FACILITY (List all locations where anim.	its welle housed or used in actual research, te	sting, teaching, or experimentation, or held for these	purposes. Attach additional
sheets if necessary.)	•		

FACILITY LOCATIONS (Siles)

A	B. Number of	R UNDER CONTROL OF RESEARCH FACILITY (Atlach aufultional sheets if necessary or use APHS FORM 7023A.)  B. Number of D. Number of D. Number of animals upon which teaching.						
Animats Covered By The Animal Wellare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquitizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	F.  TOTAL NO.  OF ANIMAL:  (Cols. C +  D + E)			
4. Dogs	37 .	15			15			
5. Cats	ĺ	1	·	·	1			
6. Guinea Pigs	166	3			3			
7. Hamsters		20			20			
8. Rabbits	14							
9. Non-human Primates		12			12			
10. Sheep	50							
11. Pigs	75	2	45		47			
12. Other Farm Animals								
Cattle	3							
13. Other Animals								
Goats	11							
Horse	1				•			
Llama	1							

#### ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research lacility.
- 2). Each principal investigator has considered alternatives to painful procedures
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

18-23 (OCT BH) which is identified a

CHARLIBE COOK SETUTIONAL OFFICIAL (6)

MAME L TIFLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

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See reverse side for additional information.

Interagency Report Control No. 0160-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 51 F 0010

FORM APPROVED OMB NO. 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT

2. HEADQUARTERS RESEARCH FACILITY plaine and Address, as registered with USDA include Zip Code)

Office of Research Services

NOV 2, 9, 1999

**DRS** 

# OF RESEARCH FACILITY (TYPE OR PRINT)

REPORT OF ANIMALS USED BY O A.	B. Number of	C Number of	D. Number of animals upon	E Number of animals upon which seaching.	l <sub>E</sub>
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or ledd for use in leaching, testing, experiments, research, or surgery but not	animals upon which leaching, research, experiments, or lests were conducted involving no pain, distesss, or	which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analyesic, or	tue blaceanies blooncing bein of aistress in mese	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
12. &/OR 13. Other (List by species)	yel used for such purposes.	use of pain- relieving drugs.	tranquilizing drugs were used.	animals and the reasons such drugs were not used must be attached to this report).	
Chicken	7				
Turkeys	2				
Ducks	1			·	
Geese	1			•	
				,	
	·				

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including apprintate use of aniesthetic, analgesic, and tranquilizing drugs, prior 10, during, and following actual research, leaching, lesting, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to paintal procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A senimary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attenting reterioration for this research facility has appropriate authority to ensure the provision of adequate reterioray care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

1 certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

reverse side to ional information.

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLAN TALTH INSPECTION SERVICE 1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

NOV 29 1999

# CONTINUATION SHEET FOR ANNUAL REPORT

OF RESEARCH FACILITY (TYPE OR PRINT)

51-F-0016 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA,

include Zip Code) National Institutes of Health Deputy Director of Intramural Research 31 Center Drive, Room B1C37, MSC 2252 Bethesda, Maryland 20892

. A We		B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	(Attach adiditional sheets if nec D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
12.	Goose	1	0	0	0	0
12.	Duck	an Taligora	0		0	0
13.	Gerbils	60	89	640	0	729
13.	Ferrets	22	Ö	164	0	164
13.	Cotton Rats	0	153	36	. 0	189
13	Sautunals	182	0	0	0	0
$\frac{13.}{13.}$	Squirrels Pigeons	11	0	0	0	0
13.	Frogs	0	2,191	306	0	2,497
13.	Fish		57,439	0	0 ,	57,439
13.	Vole	45	0	0	0	0
13.	Mink	4	93	0	0	93
13.	Wild Mice	55	15	0	0	15
13.	Llama	1	0	0	0	0
	<del></del>					
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#### ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

#### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

See severe side for Additional information Interspency Report Control No 0190-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.
2. 51-F-016 5 | FOOL 6

FORM APPROVED OMB NO. 0549-0036

 HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include zip code)

# CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

NIH/NIAID

A. Animals Covered By The Animal Welfare Regulations 12 &/OR 13 OTHER (List by Species)	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments or tests were conducted involving no pain, distress or use of pain- relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analysis or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery or tests. (an explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report.)	F. TOTAL NO. OF ANIMALS (Coh. C+ D+E)
Cotton Rats	0	93	36	0	129
Frogs	0	5	1	0	6
					·

Profesionally acceptable standards governing the care, treatment and use of animals, including appropriate use of anesthetic and tranquilizing drugs prior to, during And following actual research, teaching, testing, surgery or experimentation were followed by this research facility.

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (ACUC). A summary of all such exceptions is attached to this namual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL  (Chief Executive Officer or Legally Responsible Institutional Official)  1 certify that the above is true, correct and complete (7 U.S.C. Section 2143)						
SIGNATURED CERO.	NAME AND TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or print)	DATE SIGNED				
(AUG 91)	(6)(6) (E)(7)(0)					

<sup>2)</sup> Each principal investigator has considered alternatives to painful procedures.

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT GRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

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1. REGISTRATION NO.

51-F-0016

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) NOV 2.9 1999

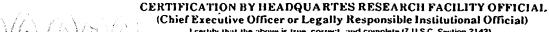
2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

National Institutes of Health National Institute of Dental and Cranio facial Research Animal care Unit

<ol> <li>REPORTING FACILITY (List all locations where animals were housed or use sheets if necessary.)</li> </ol>	d in actual research, testing, teaching, or experimentation	on, or held for these purposes	. Attach additional
. F.	ACILITY LOCATIONS (Siles)		

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMAL:  (Cols. C +  D + E)
4. Dogs	8		4		4
5. Cats				-	
6. Guinea Pigs	·		. 29		29
7. Hamsters					
8. Rabbits			16		16
9. Non-human Primates	21				
10. Sheep					,
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
	·				

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
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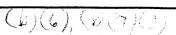
I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

ORINSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

PHIS FORM 7023 (Replaces VS FORM 18-23 (OCT 88), which is obsolete) (AUG 91)



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UNITED STATES DEPARTMENT OF ANIMAL AND PLANT HEALTH INSF

**PICULTURE** 

1. REGISTRATION NO. 51 F 001(0

Bethesda, MD 20892

FORM APPROVED OMB NO. 0579-0036

#### **ANNUAL REPORT OF RESEARCH FACILITY** (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA National Institute of Arthritis and Musculoskeletal and Skin Diseases National Institutes of Health

NOV 29 1999

3. REPORTING FACILITY (List al sheets if necessary.)	l locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purpos	ses. Attach additional
	FACILITY LOCATIONS (Siles)	

PORT OF ANIMALS USED BY	OR UNDER CONTROL OF	F RESEARCH FACILITY	l (Allach adidilional sheets if ne	PCESSURY OF USE APHIS FORM 7023A.)	
Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
Dogs					0
Cats				<u> </u>	0
Guinea Pigs					0
Hamsters					0
Rabbits		. 6	37		43
Non-human Primates					0.
. Sheep					0
. Pigs					0
2. Other Farm Animals					0
. Other Animals					
	1				

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research lacility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

NIAMS

11)/8/99

e reverse side lor ditional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 0016

Bethesda, MD 20892

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

National Institutes of Mealth NOV 2 9 1999 9000 Rockville Pike

 $\mathcal{CHJIH}$ 

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	F.  TOTAL NO.  OF ANIMAL:  (Cols. C +  D + E)
4. Dogs	0	0	0		0
5. Cats	0	0	0		0
6. 'Guinea Pigs	0	13	0		13
7. Hamsters	0	0	0		0
8. Rabbits	0	152	98		250.
9. Non-human Primates	0	584	6		590
10. Sheep	0	2	0		2
11. Pigs	0.	00	0		0
12. Other Farm Animals					
Burro	0	1	0		1
13. Other Animals					
Xenopus	0	1872	0		1872
Zebrafish	0	53,685	0		53,685

#### ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

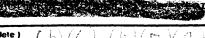
CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

DATE SIGNED

19 Nov 99





NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.
5 1 F 00 1 (0

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT) NOV 2.9

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

National Heart, Lung and Blood Institute G**IG**vision of Intramural Research

National Institutes of Health 9000 Rockville Pike, Bethesda, MD 10892

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) Bldgs 10,36,10A,ACRF, Tower, 14E, 14D, 14F, 28, NIHAC and 5 Research Court

FACILITY LOCATIONS (Siles)

National Institutes of Health

Bethesda, MD 20892

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of ammals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	2	7	15	. 0	
5. Cats	0	0	0	· 0	00
6. Guinea Pigs	. 0	0	37	. 0	37
7. Hamsters	0	0	0	0	<u>0</u> .
8. Rabbits	36	54	648	0	702 .
9. Non-human Primates	119	1	199	0	200
10. Sheep	6	0	94	0	94
11. Pigs	0 :	0	67	0	67
12. Other Farm Animals					
13. Other Animals			·		

#### **ASSURANCE STATEMENTS**

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquifizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

Punt

DATE SIGNED

11/19/99

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Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. F0010 FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

National Institute of Diabetes and Digestive and Kidney Diseases NOV 29 1999National Institutes of Health

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, lesting, teaching, or experimentation, or held for these purposes. Attach additional FACILITY LOCATIONS (Siles)

28.00							
•							
REPORT OF ANIMALS USED BY O	B. Number of animals being	RESEARCH FACILITY  C Number of animals upon	D. Number	of animals upon apperiments,	Ces:	experiments, research, surgery or lests were	F.
Animals Covered By The Animal Welfare Regulations	bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	teaching surgery, conducti accompa distress and for anesthet	g, research, , or lests were led invulving lanying pain or to the animals which appropriate tic, analgesic, or izing drugs were		conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic_or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs	0	0	<u> </u>	0	L	. 0	0
5. Cats	0	0		0	Ļ	. 0	0
6. Guinea Pigs	. 0	150	<u> </u>	0	L	0	150_
	0	0		0	L	0	0
7. Hamsters 8. Rabbits	0	1		44		0	45
Non-human Primates	0	0		0	$oldsymbol{\downarrow}$	0	0
10. Sheep	0	0	l	0	L	0	0
	0	0	1.	0	L	0	0
11. Pigs  12. Other Farm Animals	0	0		0	$\frac{1}{1}$	0	0
13. Other Animals	0	0		0 .	+	0	0
			<u> </u>		+	<u> </u>	<b> </b>
				<u> </u>	$\perp$		
			1.				

#### ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered atternatives to paintul procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In principal investigator and approved by the institutional Animal Care and Use Committee (IACCC). A summary of an such exceptions is attached to this annual report addition to identifying the IACCC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

NIDDK

DATE SIGNED

**APHIS FORM 7023** : (AUG 91)

(Replaces VS FORM 18-23 (Gent 8), which is obsolete )

UNITED STATES DEPARTMENT ANIMAL AND PLANT HEALTH I.

AGRICULTURE -CTION SERVICE 1. REGISTRATION NO. 51 F 0016 FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

National Institute of Diabetes and Digestive and Kidney Diseases National Institutes of Health

### CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY 10V 2 9 1999 (TYPE OR PRINT)

EPORT OF ANIMALS USED BY	OR UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sneets if nec	E. Number of animals upon which teaching.	F
Animals Covered By The Animal Welfare Regulations 12 &/OR 13. Other	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animats upon which teaching, research; experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analysisk, or tranquilizing drugs were used.	E. Number of animals upon the process of the conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely allected the procedures, results, or interpretation of the tracking, research, experiments, surgery, or tests. (An applanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
(List by species)	0	0	0	0	<u> </u>
· * ·				0	
	0	. 0	72	. 0	72
enopus		0			14
Bullfrogs	0	0	14	0	1 3
endrobatid fr	ogs 0	0	3	0	
<u> </u>					
·			·		
		-			

#### ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquitizing drugs, prior to, during. r ruressrurent ecceptable standards governing the Care, meaninem, and use or animals, alcounty approvate ase or an analysis and following actual research, leaching, testing, surgery, or experimentation were followed by this research lacility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

# CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

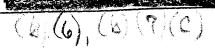
I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTION

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED





PART 1 HEADQUARTERS

NIDDK

APHIS FORM 7023A (AUG 91)

reverse side for ional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

NOV 29 1999

#### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO. 51-F-0016

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

National Institutes of Health Deputy Director for Intramural Research 31 Center Drive, Room B1C37, MSC 2252 Bethesda, Maryland 20892

3. RÉPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

#### **FACILITY LOCATIONS (Sites)**

This composite includes: CC, NCI, NHGRI, NEI,

NHLBI, NIA, NIAAA, NIAID (RML), NIAMS, NICHD,

NIDCR, NIDDK, NIDA, NIEHS, NIMH, NINDS, NIDCD, DRS.

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs	104	25	204	8	237
5. Cats	0	5	71	0	76
6. Guinea Pigs	166	889	150	30	1,069
7. Hamsters	882	1,891	1,212	0	3,103
8. Rabbits	55	464	1,756	0	2,220
9. Non-human Primates	1,031	1,171	1,005	0	2,176
10. Sheep	62	4	116	0	120
11. Pigs	76	2	140	0	142
Goats 12. Other Farm Animals	11	2	0	0 .	2
12. Burros		1	0	0	1
12. Horses xx3. Other Animals	5	0	0	0	0
12. Cattle	3	2	0	0	2
12. Chickens	7	7,725	0	0	7,725
12. Turkeys	2	0	0	0	0
ASSURANCE STATEMENTS					

<sup>1).</sup> Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

<sup>4).</sup> The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.



DATE SIGNED

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

National Institutes of Health

<sup>2).</sup> Each principal investigator has considered alternatives to painful procedures.

<sup>3).</sup> This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

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See roverse side for additional information

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 51-F-0018

include Zip Codel

FORM APPROVED OMB NO 0579-0038

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

744

Department of the Air Force

86th Medical Squadron Unit 3215 APO AE 09180

3. REPORTING FACILITY (List all locations where animals were housed or used in actual residing, teaching, or experimentation, or held for these purposes. Attach additional

Vogelweh Veterinary General Hospital

REPORT OF ANIMALS USED BY OF	R UNDER CONTROL OF	RESEARCH FACILITY	f (Aftech edicitional sheats if no	CUSSURY OF USE APHIS FORM 7023A.)	
Animals Covered  By The Animal  Wellare Regulations	A Number of animals being Dred, Conditioned, or held for use in teaching, lessing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which maching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of antimate upon which experiments.  leaching, research, surgery, or lests were conducted involving accompanying path or distress to the animals and for which appropriate anesthetic, analogs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were surged to the animals and to which the use of appropriate anesthetic, analysis, or tranquitizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	·				
5. Cats					·
6. Guinea Pigs			·		
7. Hamsiers					
8. Rabbits					
9. Non-human Primates					
10. Sheep			24		24
11. Pigs					
12. Other Farm Animals					
			!		
13. Other Animals					
			ema empa est de de la la casa la est de a		

FACILITY LOCATIONS (SILES)

#### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the cure, treatment, and use of animals, including appropriate use of anesthetic, analysisic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- If This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Gare and Uso Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attenuing veterinarism for this research facility has appropriate authority to ensure the provision of altequate valerinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertity that the above is true, obried, and complete (7 U.S.C. Section 2143)



DATE SIGNED

Replaces VS FORM 18-23 (OCT 88), which is obsolute)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA,

#### ULITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

FORM APPROVED

#### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

51-F-021

OMB NO 0579-0036

include Zip Code) United States Army Medical Research Institute of Infectious Diseases

1425 Porter Street

21702-5011 Fort Detrick, MD

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Fort Detrick, MD

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	Ensury or use APHIS FORM 7023A.)  E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	187	161	80	97	338
7. Hamsters	0	391	44	245	· 680
8. Rabbits	0	51	6	10	67
Non-human Primates	146	114	76	36	226
10. Sheep	0	33	0	0	33
11. Pigs	0	0	0	0	0
Horses 12. Other Farm Animals	60	3	0	0	3
Goats	6	12	0	0	12
Cows 13. Other Animals	0	1	0	0	1
Burros	0	2	0	0	2
DULLUS	1				
		· · · · · · · · · · · · · · · · · · ·			

#### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This lacility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

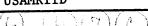
Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED









(Replaces VS FORM 18-23 (OCT 88), which is obsolute )

(AUG 91)

1. Registrat:	ion Number: _	51-F	-021			
- 2. Number	97	of an	imals	used in	n this st	udy.
3. Species (	common name) _	Guinea Pigs	_ of	animals	used in	this study
4. Explain t	he procedure p	roducing pair	and/	or dist	ress.	
The mission Diseases is prophylaxis, medical defendence to importance to column E has rational and studies persolved to sely scruthe nature of USAMRIID indiscomfort.  5. Provide so not be relicand/or dist. Federally muse these drugs responses to analysis of unalleviate scientific.	of the United to perform streatment and ense against production of the control of most infectively a clinical of most infectively a clinical of most infectively a clinical of the control	States Army udies on the depidemiolog otential biol tious agents pecial contained in some as n for the use ort of the ine IACUC and to ious diseases cal course where the course of the ine the course of the ious diseases cal course where the course of the ious diseases cal course where the course of the course	Instipatho y of ogica and to nment of a stitument in the Institution of a signs experinced test dies to experince the state of a signs experinced test dies to experince the state of a signs experinced test dies to experince the state of a signs experinced test dies to experince the state of a signs experinced test dies to experince the state of a signs experinced test dies to experince the state of a signs experinced test dies to experince the state of a signs experinced test dies to experince the state of a signs experinced test dies to experince the state of a signs experinced test dies to experince the state of a signs experinced test dies to experince the state of a signs experinced test dies to experince the state of a signs experinced test dies to experince the state of a signs experinced test dies to experince the state of a signs experinced test dies to experince the state of a signs experinced test dies to experince the state of a signs experinced test dies to experince the state of a signs experinced test dies to experince the state of a signs experinced test dies to experince the state of a signs experinced test dies to experince the sin	tute of genesis, infection of threat oxins of these nimals interest toxins and or detect toxins and important and	Infection diagnos ous diseas agents finitar animals les studies in each of sion have studied a some degree distres etermine esults.  ain relied and subsult in als required the minimals required the	ses for and y isted in The f the re been ship. It gree of scould that pain (For eving or cause cal sequent ire why the would
protocols i	s evaluated or	n a case by Co		ists by	CIIC 11100	<b>.</b>
agongy the	any, federal Code of Feder ection number	ral Regulation	ns (C	EK) CICI	e number	and the
Agency	N/A		CFR		N/A	

51 F 0021

1. Registration Number:	51-F-021	
<b>~2. Number</b> 245	of animals used in	this study.
3. Species (common name)	Hamsters of animal	s used in this study.
4. Explain the procedure	producing pain and/or distre	ss.
Diseases is to perform st prophylaxis, treatment ar medical defense against p naturally occurring infec- importance that require s column E have all been us rational and justification studies performed in support closely scrutinized by the The nature of most infect- USAMRIID involves a clini- discomfort (e.g. fever, m	•	diagnosis, s diseases for agents and military imals listed in studies. The each of the ion have been leadership. udied at ome degree of
not be relieved. State and/or distress relief we	tification why pain and/or detected or means used to detected interfere with test resume, see question 6 below)	ermine that pain
anesthetic drugs result a these drugs interfere with responses to biological a analysis of those respons unalleviated pain or dist scientific justification use of pain relieving drugs interfere with the scient	f of clinical signs with pair in inaccurate experimental da th certain clinical and immu- agents by the test animal, a ses. All studies that resul- tress to experimental animal , in writing, explaining in ugs is not appropriate and h tific goals of the study. E n a case by case basis by th	ata because nological nd subsequent t in s require detail, why the ow it would ach of these
agency, the Code of Fede:	regulations require this pro ral Regulations (CFR) title (e.g., APHIS, 9 CFR 113.102)	number and the
Agency N/A	CFR	N/A

1. Registration N	umber:	51-F-021		<del>-</del>	
- -2. Number	10	_ of animal	s used in	this study.	
3. Species (commo	n name) Ra		of animals	s used in this	study.
4. Explain the pr	ocedure produc	ing pain and	or distre	ess.	
The mission of the Diseases is to per prophylaxis, treatmedical defense an aturally occurring or tance that column E have all rational and just studies performed closely scrutining. The nature of most USAMRIID involved discomfort (e.g. 5. Provide scient not be relieved. and/or distress rederally mandates.	erform studies atment and epid against potenti ing infectious require special been used in tification for d in support of zed by the IACU at infectious des a clinical confever, myalgian state methods relief would in the state method which we would be stated as a state which we will be stated as a stated with the stated with th	on the pathoremiology of al biological agents and to containment some aspect the use of a the institute of and the Inseases and ourse which inseases and ourse which inseases and ourse which is etc).	ogenesis, infectiou al threat coxins of The an of these animals in ite's miss istitute's toxins st includes s  n and/or of sed to det n test res	diagnosis, s diseases for agents and military imals listed in studies. The each of the ion have been leadership. udied at ome degree of distress could termine that pass	
The retardation anesthetic drugs these drugs interesponses to bio analysis of those unalleviated pair scientific justicuse of pain religinterfere with the protocols is evanualleviated to be specific section.	result in inact refere with cert logical agents e responses. A fication, in wretering drugs is the scientific gluated on a cast federal regulated of Federal Reg	curate expension clinical by the test of the test of experiment of the properties of the test of the t	rimental dand immu animal, a that resultal animal aining in iate and hastudy. Easis by the this profess, title	lata because inological and subsequent t in s require detail, why the low it would lach of these ie IACUC.  cocedure? Cite to number and the	he
Agency	N/A	CFR		N/A	

Орстопа	ar corumn n bar	714	
1. Registra	ation Number:	51-F-021	
2. Number	36		used in this study.
3. Species	(common name) No	n-human Primates	of animals used in this study
4. Explain	the procedure pr	oducing pain and/	or distress.
Diseases in prophylaxis medical de naturally importance column E harational a studies per closely so The nature USAMRIID is	s to perform studes, treatment and efense against postoccurring infects that require specially also been used and justification erformed in suppost crutinized by the efform of the contraction of the cont	dies on the pathod epidemiology of intential biological ious agents and to ecial containment of in some aspect of for the use of an ert of the institute IACUC and the Institute ous diseases and the course which intentions are established.	The animals listed in of these studies. The nimals in each of the se's mission have been stitute's leadership.
not be reland/or dis	lieved. State me stress relief wou	thods or means use	and/or distress could ed to determine that pain test results. (For pelow)
anesthetic these druct responses analysis c unalleviat scientific use of par interfere	c drugs result in gs interfere with to biological agof those response ted pain or distresion, in relieving drug with the scienti	inaccurate experion certain clinical ents by the test as a sudies the state of the control of th	al animals require ining in detail, why the ate and how it would study. Each of these
agency, th	he Code of Federa	egulations require l Regulations (CF) .g., APHIS, 9 CFR	this procedure? Cite the R) title number and the 113.102)
Agency	N/A	CFR _	N/A

51 F0021

#### SUMMARY OF IACUC APPROVED EXCEPTIONS:

#### Brief Description of Exception

Deviation of sanitization procedures as outlined in the AWA. Animals are in a BL3 and BL4 biocontainment area that does not allow routine cage sanitizing in the cagewash facility at the required two week inteval due to safety concerns and logistical constraints. Cages are sanitized in place until it is no longer possible to adequately clean them by hand at which time they are replaced with mechanically sanitized cages.

Species of Animal	Number of Animal
Nonhuman Primate	43
Rabbits	12

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 0001 4-4V-0001

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

Department of Veterans Affairs National HQS 310 Vermont Avenue NW Washington,DC 20420

652

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

VA Medical Center 518 200 Springs Rd.

Bedford, MA 01730

REPORT OF ANIMALS USED BY OF	R UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if ne	cessury or use APHIS FORM 7023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analysesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	0				
5. Cats	0				
6. Guinea Pigs	0				
7. Hamsters	0				
8. Rabbits	0				
9. Non-human Primates	0				
10. Sheep	0	,			
11. Pigs	0				
12. Other Farm Animals	0				
13. Other Animals					
Mice	1171	3703 Adult 359 Pups 107 Adult	<b>S</b>		4062
Rats	0	107 Adult 73 Pups	8		180
ASSURANCE STATEMENTS					

#### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Ecertify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED 10/12/99

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 4 F 0007 14-F-002

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

#### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

COMMANDER

U.S. Army Research Institute of Environmental Medicine, Bldg. 42 01760-5007 Natick, MA

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

**FACILITY LOCATIONS (Sites)** 

USARIEM, 15 Kansas St., Bldg. Natick, MA 01760-5007

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs	0	0	18	0	18
12. Other Farm Animals					<u> </u>
13. Other Animals					
	,				

#### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)







See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 14 V 0004

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Department of Veterans Affairs Central Office 810 Vermont Avenue NW
Washington, D.C. 20420

651

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

523 VA Medical Center
150 S. Huntington Ave.

FACILITY LOCATIONS (Sites)

Boston, MA 02130

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMAL  (COIs. C +  D + E)
1 0	1 1/2 / /		14		14
1. Dogs	+//		0		<del>  0                                   </del>
. Cats			257		257
6 Guinea Pigs					
. Hamsters			U	·	
			100		100
8. Rabbits	<del>                                     </del>		0		<del> </del> 0
Non-human Primates			0		
10. Sheep			U		
			36	=	, 36
11. Pigs			0		0
12. Other Farm Animals					
• .					
13. Other Animals					
Rats			682		682
Mice			242		242
					<b></b>

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and franquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

Chief Executive Officer or Legally Responsible Institutional Official)  Legally that the above is true, correct, and complete (7 U.S.C. Section 2143).					
I IONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED			
(b)(b)(7)(c)		a ga sama			

APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolete )

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 14 V 0003

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) Dept. of Veterans Affairs National Headquarter, 810 Vermont Avenue, NW Washington,DC 20420

453

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

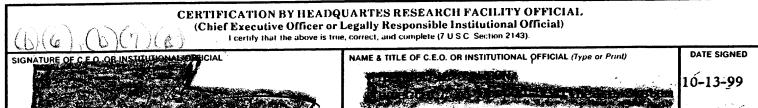
**FACILITY LOCATIONS (Sites)** 

#### 525 VA Medical Center

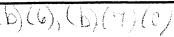
940 Belmont St. (Brockton Division) Brockton, MA 02301 1400 VFW Parkway (West Roxbury Division) West Roxbury, MA 02132

REPORT OF ANIMALS USED BY OF A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments; research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, assertionals surgery as tests. (An explanation of	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs			16 (WR Div)		16
5. Cats			21 (Br Div)		21
6. Guinea Pigs			51 (WR Div)		51
7. Hamsters					
8. Rabbits			37 (WR Div)		37
9. Non-human Primates			<u> </u>		
10. Sheep			·		
11. Pigs			170 (WR Div)		170
12. Other Farm Animals					
13. Other Animals					
Rats			667 (Br Div)		948
Mice			94 (Br Div) 483 (WR Div)	·	577
Oppossums			53 (WR Div)	·	53

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.



APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolete )





UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

-F-0010

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

NOAA-NMFS-NEFSCI 166 WATER ST woods HOLE, MA 02543

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary)

**FACILITY LOCATIONS (Siles)** 

## AQUARIUM SEAL POOL

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					<u> </u>
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					ļ
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
HARBOR SEALS	2	2	0	0	2
	TEAC	Z HING ONLY			
		ONLY			

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Ecertify that the above is true, correct, and complete (7 U.S.C. Section 2143) DATE SIGNED

(AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)



e reverse side lor additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 34-V-002

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

#### **ANNUAL REPORT OF RESEARCH FACILITY** (TYPE OR PRINT)

M39

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

: -

**FACILITY LOCATIONS (Sites)** 

VA Ann Arbor Healthcare System (506)

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, reaching, research, surpery for tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMAL: (Cols. C + D + E)
. Dogs		·	63		63
i. Cats			7		7
6. Guinea Pigs			0		0
. Hamsters			0		0
Rabbits			71		71
Non-human Primates			29		29
0. Sheep			4		4
1. Pigs			78		78
12. Other Farm Animals					
13. Other Animals					·
	<b>†</b>				

#### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

t certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



DATE SIGNED

11/12/99

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 65 - F - 0001 FORM APPROVED OMB NO. 0579-9036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

incluite Zip Codel Clinical Research Laboratory 81 MDSS/SGSFE 301 Fisher Street, Rm 1A132 Keesler AFB, MS 39534 - 2519

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

3. REPORTING FACILITY (List ail locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Clinical Research Laboratory, BLDG 0404

REPORT OF ANIMALS USED BY C	B. Number of	C Number of	D. Number of ammals upon	E.	Number of animals upon which leaching,	F.
Annals Covered By The Animal Wellare Regulations —	animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain- relieving drugs.	which experiments, leaching, research, surgery, or tests were conducted involving accompanying poin or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used		experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS (Cols. C + O + E)
0	-					
i. Dogs			:			
5. Cats			,			
5. Guinea Pigs				H		
7. Hamsters				-		<u> </u>
8. Rabbits				_		
9. Non-human Primates				_		·
10. Sheep				_		
11. Pigs	16		67	_		83
12. Other Farm Animals						
			8.			8
Goats			V			
13. Other Animals	-					1.3
Ferrets			13	-		1 12
		,		-		
		1			₹	1

#### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to paniful procedures.
- 3) This locality is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the This facility is adhering to the standards and reginations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Annual Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of annuals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of pound care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



See reverse side for additional information Interagency Report Control No 0180-DOA-AN 10,30

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 43-V-001

4340001

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Department of Veterans Affairs Central Office 810 Vermont Avenue NW Washington, D.C. 20420

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

VA Medical Center (543)

800 Hospital Drive Columbia. MO 65201

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs	·				
7. Hamsters					
8. Rabbits			8		8
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
RXXs		<b>XXX</b>	899		ZHRK
13. Other Animals					
Rats	·	107	899		1006
Mice		453	37		490

#### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

	(Chief Executive Office	ADQUARTES RESEARCH FACILITY OFFICIAL er or Legally Responsible Institutional Official) e is true, corre	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OF	FICIAL	NA DIGNALES (C. 77 (III))	DATE SIGNED
APHIS FORM 7023 (Replaces VS (AUG 91)	FORM 18-23 (OCT 88), who	ich is obsolete) (6)(6)(7)(7)	

See reverse side for additional information

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

1011 Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

#### 1. REGISTRATION NO. 43V0003 43-VA-002

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

VA Medical Center 1901 Timmod Blud include Zip Code) Department of Veterans Affairs

810 Vermont Avenue NW Washington, D.C. 20420

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

	Kansas City, MO 64128					
REPO	RT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A.)	
<b>A</b> .	Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, appropriate to the teaching, research.	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4.	Dogs					
5.	Cats	i i				
6.	Guinea Pigs				,	
7.	Hamsters				•	
8.	Rabbits				·	
9.	Non-human Primates					
10.	Sheep					
11.	Pigs					
12.	Other Farm Animals					·
13.	Other Animals					
ויים	boro are no fed	larelly road	atod specie	s boused at the	is facility this year	
	nere are no ree	1000	acea preci	is nouced at the	Tablito, sind your	
						•
ASS	URANCE STATEMENTS					

# and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility. 2). Each principal investigator has considered alternatives to painful procedures.

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during,

The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)  I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).				
Ser. 10/14/99	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED		
ARHIS FORM 7023 Re S FORM 18-23 (OCT 88), which is (AUG 91)	s obsolete (D/(L), (L)/(T)(C)			

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

1375

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

# ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO. 43 V-003

FORM APPROVED

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

Depo. of Veterans Affairs Headquarters 810 Vermont Avenue, N.W. Washington, DC 20420

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

Dept. of Veterans Affairs Medical Center

915 N. Grand Blvd. - JC Division St. Louis, MO 63106

Dept.of Veterans Affairs Medical Center #1 Jefferson Barracks - JB Division St. Louis, MO 63125

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
i. Dogs	2		8		8
5. Cats					
6. Guinea Pigs					
7. Hamsters					
3. Rabbits					
9. Non-human Primates					<u> </u>
10. Sheep					<u> </u>
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
mice	6	1,813			1,813
rats		270			270

## **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACH (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Code)

USDA ARS FORT KEOGH LARRL RTE 1 BOX 2021 MILES CITY MT 59301

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

**FACILITY LOCATIONS (Siles)** 

	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	0				
5. Cats	0				
6. Guinea Pigs	U				
7. Hamsters	0				
8. Rabbits	0				
9. Non-human Primates	0				<del> </del>
10. Sheep		21			21
11. Pigs	0				
12. Other Farm Animals		2379	18		2397
13. Other Animals (E1k)		5	3		8
io. Calor ruminas (EIR)					<u> </u>
				NEGELAFIU	1
				131	

### **ASSURANCE STATEMENTS** Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during,

- and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143). DATE SIGNED NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFIC NAL OFFICIAL

(AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Department of Veterans Affairs Headquarters 810 Vermont Avenue, NW Washington, DC 20420

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

# FACILITY LOCATIONS (Sites) 636 VA Medical Cen**gef**4101 Woolworth Avenue Omaha, NE 68105

A	B. Number of	C Number of	D. Number of animals upon	E. Number of animals upon which teaching,	F.
Animals Covered By The Animal Wellare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	ne procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	·				
5. Cats					
6. Guinea Pigs					
7. Hamsters		13			13
8. Rabbits		8			8
9. Non-human Primates					ļ
10. Sheep					ļ
11. Pigs					
12. Other Farm Animals					
13. Other Animals		<u></u>			
Rats			2382		2382
Mice			1774		1774

# ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
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# CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

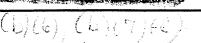
I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(b)(c). (b)(?)(c) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)



FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Code)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

USDA, ARS, Northern Plains Area Roman L. Hruska U.S. Meat Animal Research Cente P.O. Box 166 Clay Center, NE 68933

. REPORTING FACILITY (List all locations where animals were housed or used in actual research, lesting, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

It Headquarters-see #2 above

EPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	(Attach adicitional sheets if nec	essary or use APHIS FORM 7023A)  E. Number of animals upon which teaching,	e
Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred,-conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, . teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
. Dogs					
. Cats					
. Guinea Pigs					
. Hamsters				0	1
8. Rabbits		11	0	0	
9. Non-human Primates					0707
10. Sheep	4035	9532	195	0	9727
11. Pigs	6493	5763	730	0	6493
	·				<u> </u>
12. Other Farm Animals	5650	17821	815	0	18636
Cattle	3030	17021			
13. Other Animals			1 0	0	238
Mice		238	0	1	

# ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the JACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

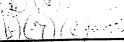
CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

DATE SIGNED







1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

> USDA, Agricultural Research Service 920 Valley Road NV 89512 Reno.

#### **ANNUAL REPORT OF RESEARCH FACILITY** (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

920 Valley Rd., Reno, NV 89512

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (COIS. C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	0	0	0
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	00	00	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals					
angaroo rats	0	68	0	0	68
angaroo Mice	0	22	0		22
ocket mice	0	17	0	D   <u>   G                             </u>	17
ASSURANCE STATEMENTS				110)1	

1) Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic. Springs of art 1 is and following actual research, feaching, testing, surgery, or experimentation were followed by this research facility. quilizing drugs prior to, during,

2). Each principal investigator has considered alternatives to painful procedures

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations the specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use.

# CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

9/22/99

(AUG 91)

FORM 18-23 (OCT 88), which is obsolete)

1. REGISTRATION NO. 22V-001 22V000 \

"FORM APPROVED"

OMB'NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, Department of Veterans Affairs

R&D Computing Center 103 So. Gay St.

Baltimore, MD 21202-4051

DEC 07 1999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional. sheets if necessary.)

FACILITY LOCATIONS (Sites)

70.3 1.7

Sta: 561 VA Medical Center

Tremont Ave.

REPORT OF ANIMALS USED BY OR A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not	C Number of animals upon which teaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	0	0	0
	0	0	0	0	0
- 6:	0	0	0	0	0
Guinea Pigs     Hamsters	0	0	1	. 0	1
8. Rabbits	0	0	166	0	166
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals					
Mice			56	9	65
Rats	·		1472	288	1760

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).



10-10-5F) CRE

11/24/99

DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

22 V000\

Continuation page APHIS Form 7023:

Rats and mice who do not receive anesthetic, analgesic or tranquilizing drugs are used in stress experiments. The use of these agents to reduce stress would affect the experiments and negate the purpose of the studies.

See reverse side for additional information.

Interagency Report Control No 0180-00A-AM

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1705

1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

## ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

85-F-0002

2. HEADQUARTERS RESEARCH FACELTY (Name and Address, as regulered with USDA

Los Alamos National Laboratory 7.0. Dox 1663, WS WEBZ ECOLOGY GROUP LOS Alzuros, NW 87595

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (SHOW

HRL-1, ROOMS BIFI-BFIL

TA-ZI DP3Z8

REPORT OF ANIMALS USED BY OF	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach withinhall shorts if necessary of use APMS FORM 7023A.)				
A. Animats Covered By The Animal Welfare Regulations	8. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquitizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the research drugs were not used must be affected to this reports.	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	,0	0	<u>C</u>
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	0	. 0	0
7. Hamsters	0	. 0	0	0	0
8. Rabbits	6	$\mathcal{O}$	2	0	2
9. Non-human Primates	0	ව	0	0	0
10. Sheep	0	Q	0	0	0
11. Pios	0	ට	0	0	0
12. Other Farm Animals	0	0	0	. 0	0
13. Other Animals					
vice (deer,	0	110.	0	0	110
harvest, Beush)		_			
Pock Squirzers	0	10	0	F F O T	10
ASSURANCE STATEMENTS					

1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquitizing drugs, prior to, during, and following actual research, teaching, tasting, surgery, or experimentation were followed by this research facility:

2). Each principal investigator has considered alternatives to painful procedures.

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and applicable that are set up principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is SILECTION to this armual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

The attending veterinarian for this research facility has appropriate authority to ensure the provision of adeq animal care and use.

CERTIFICATION BY HEADS	Uartes research pacility official
(Chief Executive Officer or	Legally Responsible Institutional Official)

crity that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF CEO. OR INSTITUTIONAL OFFICIAL (Type or Pring

DATE SIGNED

# CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO.	
ac-E-	0002
75	COCO

FORM APPROVED OMB NO. 0579-0038

Z. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Codel Los Atamos National haboratory P.O. Box 1663, WS MSBF Ecology GROUP los Alamos, NM 87545

REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	F RESEARCH FACILITY	(Altach adictitional sheets if ne	cessary or use this form.)	
A. Animals Covered By The Animal Welfare Regulations  12. &/OR 13, Other (List by species)	8 Number of animals being bred, conditioned, or held for use in teaching, teating, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pass, distress, or use of pain relieving drugs.	D. Number of animals upon which experiments, teuching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analysisic, or tranquilizing drugs were used.	E. Number of animats upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in those whimuts and the research according to the distributed to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
EIK	0		0	0	1
Bats	0	23	0	0	23
Sochers	0	21	0	0	21
The haborat	Drys An	una Ca	re taciliti	, was closed in June	1999.
The space oc		, this f	wility has d	r is being revovated	for
OFFICE SPACE	E. THE	CABORATO!	ey will so	LONGEL HOOSE Anima	5
en a Perm	enaut b	asis or	ONG Term he	olding.	,
(E)(Q) (D)(Z)			0.27		
		Wis exten	wed the de	edline tok this report	70
Dreember	15,1999	via pho			191.
		Has	noted this es	rtansion in their File	ζ.
10/6/6/7/			16.77/7		
			(b) (b) (c) (d) (d)		
			roll, ()(c)	The second second	
				Morewber 30, 1979	· · · · · · · · · · · · · · · · · · ·
ASSURANCE STATEMENTS					
				THE BULL TO	

1). Protessionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetie, analysis, and transposit, and transposit, and transposit, and transposit, teaching, testing, surgery, or experimentation were totlowed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures.

DEC - 6 1999 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-improved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and mixture of principal distinction of the exceptions.

4). The attending reterinarian for this research facility has appropriate authority to ensure the provision of adequate reterinary care and to exercise the adequacy of oth animal care and use.

r or Legally Responsible Institutional Official) is true, correct, and complete (7 U.S.C. Section 2143)	
NAME A TITLE OF CEO, OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED

(AUG 9T

See reverse side for additional information Interagency Report Co 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

21-F-001 000l

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

USDA, ARS, NAA, ERRC 600 East Mermaid Lane Wyndmoor, PA 19038

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

USDA, ARS, NAA. Plum Island Animal Disease Center, POB 848, Greenport, NY 11944

B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL:  (Cols. C + D + E)
	40			40
				<u> </u>
	5	88		13
	·			
				<u> </u>
	88 .	37		125
	2			5
				<b></b>
•				ļ
1				
	bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.  4 0  4 0  5	bred, conditioned, or held for use in leaching, testing, experiments, or surgery but not yet used for such purposes.  Hall 19	bred, conditioned, or held for use in leaching, testing, testing, testing, testing, testing, research, or surgery but not yet used for such purposes.  Held for use in leaching, testing, testin

#### **ASSURANCE STATEMENTS**

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility. UEU UZ
- 2). Each principal investigator has considered alternatives to painful procedures

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

> CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

1. REGISTRATION NO.
21-V-002 21 V 0002

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Department of Veterans Affairs Natl. Headquarters

810 Vermont Ave., N.W. Washington, DC 20420

dea

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

528 V.A.W.N.Y. Healthcare System 3495 Bailey Avenue

Buffalo, New York 14215

A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs			6		6
5. Cats		2			2
6. Guinea Pigs					_
7. Hamsters					_
8. Rabbits		10	16		26
9. Non-human Primates					
10. Sheep					-
11. Pigs			1		1
12. Other Farm Animals					-
Turkeys	12		45		45
13. Other Animals					
Rats	169	762	16		778
Mice	172	501	10		511
Nude Mice			137		137

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(b)(7)(c)

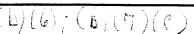


DATE SIGNED

10.14.99

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APHIS FORM 7023 (Replaces VS FORM 18-23 (OCT 88), which is obsolete ) (AUG 91)





UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) --

VA NEW YORK HARBOR HEALTH CARE SYSTEM 423 EAST 23rd STREET / Page // NEW YORK, NY 10010

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

18-West

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	-				
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	10		3		
9. Non-human Primates					
10. Sheep					
11. Pigs					,
12. Other Farm Animals					
					14,7
13. Other Animals					1
RATS	161.		1508		1508
MICE	2157		6822		68822

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

**DATE SIGNED** 

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

PART 2 - SECTOR OFFICE

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 21-V-004

FORM APPROVED..., OMB NO. 0579-0036

HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Dept of Veterans Affairs Central Office 810 Vermont Avenue, N.W. Washington, D.C. 20420

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

<u>ldbO</u>

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

VA New York Harbor Health Care System (Brooklyn)

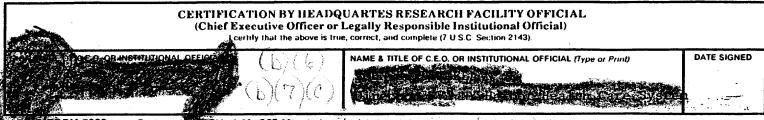
800 Poly Place

Brooklyn, N.Y. 11209

#521

A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	5	0	30	0	30
5. Cats	0	0	0	0	´ 0
6. Guinea Pigs	10	0	33	0	33
7. Hamsters	0	0	0	0	0
8. Rabbits	19	0	31	0	31
9. Non-human Primates	0	0	0	O '	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	5	<b>´</b> 0	5
12. Other Farm Animals	0	0	0	0	0
13. Other Animals					
Rats	49	0	160	0	160
Mice	13	0	85	0	85
Frogs	13	0	35	0	35

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.



FORM 7023 (AUG 91) (Replaces 18-23 (OCT 88), which is obsolete )

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 21-V-006 21V0000

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) Department of Veterand Affairs Central Office 810 Vermont Ave. N.W. Washington, DC 20420

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites)

#632 VA Medical Center, 79 Middleville Rd. Northport, NY 11768

A.  Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMAL  (Cols. C + D + E)
4. Dogs					
5. Cats				,	
6. Guinea Pigs	6		42		42
7. Hamsters					
8. Rabbits	<b>4</b>				
9. Non-human Primates					
10. Sheep					
11. Pigs			2		2
12. Other Farm Animals		·			
	<u>.</u>				
13. Other Animals					
Rats	10		194		194
Mice	259	10635	50		10685

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures

(AUG 91)

- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(Chief Executive Officer or	QUARTES RESEARCH FACILITY OFFICIAL r Legally Responsible Institutional Official) rue, correct, and complete (7 USC Section 2143)	
SIGNATURE OF C.E.O. OR  (D)(7)(C)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)  (b) (c)	DATE SIGNED
APHIS FORM 7023 Which is	obsolete )	

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See reverse side for

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 21-V-007 2\ \ 000

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA,

include Zip Code)

Department of Veterans Affairs Central Office 810 Vermont Avenue NW Washington, DC 20420

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

VA Medical Center (670) 800 Irving Avenue Syracuse, NY 13210

Department of Lab Animal Resources SUNY Health Science Center

766 Irving Avenue

REPORT OF ANIMALS USED BY OR	UNDER CONTROL OF	RESEARCH FACILITY	' (Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A.)	
A.  Animals Covered  By The Animal  Wellare Regulations	B. Number of animals being brech, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leading, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgeryfor (ests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMAL (Cols. C D + E)
4. Dogs					
5. Cats					
5. Guinea Pigs			30		30
7. Hamsters					
8. Rabbits					
9. Non-human Primates	17	6	18		24
10. Sheep				•	
11. Pigs					
12. Other Farm Animals	:				
527	/				
13. Other Animals	\\\.\.		· · · · · · · · · · · · · · · · · · ·		
Rats		_131	7		138
Mice	21	2247			2247

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

MISTFORM 7029 (AUG 91)

ORM 18-23 (OCT 88), which is obsolete)

additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE 42 ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 21-V-008 & V V O O ( FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include ap Code)

### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

DEPT. OF VETERANS AFFAIRS 810 VERMONT AVEUE, NW WASHINGTON, DC 20420

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

# **#500 STRATTON VA MEDICAL CENTER**

113 HOLLAND AVENUE

ALBANY NEW	YORK 122	08			
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	En Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs	10	0	74	0	74
7. Hamsters					
8. Rabbits	46_		382	0	382
9. Non-human Primates					
10. Sheep					
11. Pigs	0	0	8	0	8
12. Other Farm Animals	2227				
		<u>                                     </u>			<u> </u>
13. Other Animals					
14. Mice	309		1590		1590
15. Rats	100		705		705

#### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

18 FORM 7023

Replaces VS FORM 18-23 (OCT 88), which is obsolete )

(AUG 91)

\$600 MAO - APP 42 40 KU170

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

2\V 0041 21-4-0011

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA,

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Code) VA Medical Center Montrose, NY 10548

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

A	Animals Covered By The Animal Welfare Regulations ANIMAL STATE OF THE ANIMAL STA	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research; or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesia, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used 1 must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4.	Dogs					
5.	Cats					
	Guinea Pigs			The same		
7.	Hamsters			100/		
8.	Rabbits		,0)	)		
9.	Non-human Primates					
10.	Sheep		2			
11.	Pigs		7			
12.	Other Farm Animals		7			
13.	Other Animals	M	.,			
		. "				·
				· · · · · · · · · · · · · · · · · · ·		

## **ASSURANCE STATEMENTS**

- 1). Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and franquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(AUG 91)

PART 2 - SECTOR OFFICE

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

#### UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

FISCAL YEAR 1999

## **ANNUAL REPORT OF RESEARCH FACILITY** (TYPE OR PRINT)

10068

1. REGISTRATION NO. 211001L 21-V-0014

FORM APPROVED OMB NO 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA.

include Zip Gode)

DEPARTMENT OF VETERANS AFFAIRS CENTRAL OFFICE

810 Vermont Avenue, N.W. Washington, DC 20420

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

**FACILITY LOCATIONS (Sites)** 

526 - VA Medical Center 130 West Kingsbridge Road

Bronx, New York 10468

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMAL: (Cols. C + D + E)
4. Dogs	3	0	9	0	9
5. Cats	0	0	00	O	0
6. Guinea Pigs	3	0	4	0	44
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	0	0	
9. Non-human Primates	4	0	26	0	26
10. Sheep	0	0	0	0	0
11. Pigs	1	0	37	0	37
12. Other Farm Animals			-		
13. Other Animals					
4. Rats	15	15	254	0	269
5. Mice	32 .	38	124	0	162

#### Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)
I want to a but the above in true parent by

Type or Print)

DATE SIGNED

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



<sup>2).</sup> Each principal investigator has considered alternatives to painful procedures.

<sup>3).</sup> This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

<sup>4).</sup> The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

962

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 55-F-0001

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code).

U.S. Environmental Protection Agency National Health and Environmental Effects Research Laboratory

Research Triangle Park, NC 27711

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

Same as 2 above

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	NONE	1	NONE	NONE	1
5. Cats	NONE	NONE	NONE	NONE 1999	NONE
6. Guinea Pigs	NONE	NONE	69	NONE 1999	135
7. Hamsters	NONE	NONE	55	NONE	55
8. Rabbits	NONE	15	NONE	NONE (	15
9. Non-human Primates	NONE	NONE	NONE	NONE	NONE
10. Sheep	NONE	NONE	NONE	NONE	NONE
11. Pigs	NONE	NONE	NONE	NONE	NONE
12. Other Farm Animals	NONE	NONE	NONE	NONE	NONE
13. Other Animals				·	
NOME	NONE	MONE	NONE	NONE	NONE

#### ASSURANCE STATEMENTS

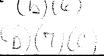
- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
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- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL







NHEERL

11/10/99

DATE SIGNED

Attachment to Annual Report of Research Facility, USEPA, NHEERL

Facility Registration Number: 55-F-0001

Laboratory Animal Project Review (LAPR) explanations for Column E entrees.

LAPR# 98-01-002, "Exposure of Guinea Pigs To Oxidants". Anesthetics, analgesics or tranquilizers could change the breathing patterns of the animals, which would compromise the "Nose Only exposure inhalation studies. Instead, animals will be acclimated by placing them in the exposure tubes for 30-60 minutes on the previous day to familiarize them with the tubes. The IACUC has observed and approved these procedures. Sixty six (66) animals have been used thus far.



See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

955

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

55 Food 55F-007

FORM APPROVED OMB NO. 0579-0036

NOV 1 9 19912. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zin Code) include Zip Code)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Joint Special Operations Medical Training Center USAJFKSWCS, FT BRAGG NC 28310-5200

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

Joint Special Operations Medical Training Center, Fort Bragg NC 28310-5200

FACILITY LOCATIONS (Siles)

Fort Bragg NC 28310-5200 Buildings 5-3845 and 5-3743

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMAL.  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	·				
9. Non-human Primates					
10. Sheep					
11. Pigs	NÓME	NONE	18	NONE	18
12. Other Farm Animals					
13. Other Animals					
GOATS	NONE	NONE	4560	NONE	. 1560

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )

See reverse side for additional information Interagency Report Control No 80-00 A-AN 1000

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE -000

FORM APPROVED

OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

#### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

USDA ARS Northern Plains Area Office 1201 Oakridge Drive, Suite 150 Fort Collins CO 80525-5562

3. REPORTING FACILITY	(List all locations where animals were housed or used in actual res	earch, le	sting, leach	ning, or experimentation,	, or held for these purposes.	. Attach additional
sheets if necessary.)			-			

FACILITY LOCATIONS (Sites)

Biosciences Research Laboratory 1605 Albrecht Blvd., Fargo, ND 58105-5674...

A.  Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, .  teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching. experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs		19			19
Goats 12. Other Farm Animals	•	2			2
Cows	1				
13. Other Animals					
Mice		8			8
Rats		119	37		156

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

-000

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

USDA-ARS-NPA

Grand Forks Human Nutrition Research Center 2420 2nd Ave N

POB 9034

Grand Forks ND 58202-9034

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

Grand Forks, ND

A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred;—conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, . teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMAL:  (Cois. C +  D + E)
4. Dogs					
5. Cats					
5. Guinea Pigs					
7. Hamsters				·	
3. Rabbits		1			1
9. Non-human Primates					
IO. Sheep					
11. Pigs					
12. Other Farm Animals	·				
13. Other Animals					
Rats		1,227		148	1,375
Mice	33	103		·	103

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

E OF C.E.O. OR INSTITUTIONAL DEFICIAL (Type or Print)

DATE SIGNED

Nov 8,

OR INSTITUTIONAL OFFICIAL

APHIS PORM 7023 Replaces VS FORM 18-23 (OCT 88), which is obsolete.) (AUG 91)

# Addendum to APHIS FORM 7023 Concerning Catagory E Animals

For the 1997-1998 reporting period, 148 rats were used in experiments where the use of drugs could not be used to relieve pain or distress. These animals were all used in IACUC-approved nutrition experiments involving the trace element boron and its influence on the inflammatory response in bone joints. The purpose of the experiments was to study the relationship between boron, joint inflamation and the development of arthritis. The attached memo from Dr. Hunt explains that the use of analgesic, anesthetic, or tranquilizing drugs could mask the effects of dietary boron on the inflamatory respose and interfere with the expression of arthritis. Dr. Hunt also was concerned that the use of drugs could impair the animals' ability to walk and interefere with normal eating and grooming habits.





45 F 0002

#### United States Department of Agriculture Research, Education, and Economics Agricultural Research Service

NOV 12 1000

November 2, 1999

SUBJECT: Justification for Lack of Anesthesia to Reduce Pain

TO:

FROM:

The rat represents a standard animal model for immune system function, for example, antibody production. The model develops antibodies to presented antigens very quickly so that the immune response can be followed over a period of 2-3 weeks. Mycobacterium butyricum is a well-characterized model antigen that mimics rheumatoid arthritis. There is strong indirect evidence that boron has a role in the prevention of rheumatoid arthritis which may be an autoimmune disease.

The importance of finding the cause of devastating human metabolic bone diseases such as rheumatoid arthritis is self evident. Because of the direct or strong indirect evidence that boron affects bone structure or the inflammatory response in bone joints, it is appropriate to characterize the complex interrelation between boron and the immune response in rats. Analgesic, anesthetic, or tranquilizing drugs were not used to minimize pain or distress because use of such agents would interfere with proper expression of the rheumatoid arthritis model or interfere with the ability of the animal to groom, walk, or obtain food and water.

1. REGISTRATION NO.

45-V-003 45 V 0003

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USD include Zip Code)

VA Medical & Regional Office Center 2101 Elm Street Fargo, ND 58102

ter

.. .. ..

(TYPE OR PRINT)

Control armeter of the first specialists

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

#437

~ .1	B. Number of	C Number of	D. Nimeton and Co. Auto-	ecessary or use APHIS FORM 7023A)		
Animals Covered By The Animal Wellare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	TOTAL NO. OF ANIMAL: (Cols. C + D + E)	
4. Dogs				:		
5. Cats						
6. Guinea Pigs		*		i.	·	
7. Hamsters	· · · · · · · · · · · · · · · · · · ·					
8. Rabbits			entre e			
9. Non-human Primates		NEGAT	IVE REPO	RT		
10. Sheep					·	
11. Pigs						
12. Other Farm Animals	<del></del>				<del></del>	
13. Other Animals						
1	<i>[</i> *				<del></del>	

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, feaching, lesting, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research lacility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

	CERTIFICATION BY HEADQUA	RTES RESEARCH FACILITY OFFICIAL
AND AND A	(Chief Executive Officer or Leg	gally Responsible Institutional Official)  orect, and complete (7 U.S.C. Section 2143)
CD/(复扩射、导致等等)。	I certify that the above is true, co	prect, and complete (7 U.S.C. Section 2143).

SIGNAND II TIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

9-2-99

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

1. REGISTRATION NO. 31-F-0002

FORM APPROVED OMB NO. 0579-0036

59

# ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. OPERATIONAL TOXICOLOGY BRANCH AIR FORCE RESEARCH LABORATORY 2760 Q STREET, AREA B, AFRL/HEST WRIGHT PATTERSON AFB OH 4533-6573

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Siles)

BUILDING 838 AREA B WPAFB

BUILDING 433 AREA B WPAFB

BUILDING 79 AREA B WPAFB

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL  (Cols. C D + E)
4. Dogs					·
5. Cats					
5. Guinea Pigs	`. <u>.</u>	22			22
7. Hamsters					
B. Rabbits			13		113
9. Non-human Primates					
10. Sheep					
II. Pigs			15		15
12. Other Farm Animals					
					* 7 · ing.
13. Other Animals					8
FERRETS			8		· ·
				·	

#### **ASSURANCE STATEMENTS**

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of ammal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive ()fficer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

E.O. OR INSTITUTIONAL OFFICIAL



DATE SIGNED

23/200 99

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolute)

(TYPE OR PRINT)

1. REGISTRATION NO. 31-V-005

FORM APPROVED OMB NO. 0579-0036

Department of Veterans Affairs ANNUAL REPORT OF RESEARCH FACILITY

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Research and Development Computing Center (15 A) 103 South Gay Street Room 400 21202-4051

Baltimore, MD

05D 3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessory.)

#### FACILITY LOCATIONS (Sites)

539 VA Medical Center 3200 Vine Street

> OH 45220 Cincinnati,

A.	B. Number of animals being	C Number of animals upon	D. Number of animals upon which experiments,	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress	F.
Animals Covered By The Animal Welfare Regulations	bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (COIs. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits			413		413
9. Non-human Primates					
10. Sheep			· · · · · · · · · · · · · · · · · · ·	<u> </u>	
11. Pigs			90		90
12. Other Farm Animals					
13. Other Animals					

## **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures

OFFICIAL

- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

## CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

HS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which as (Disolete)

(TYPE OR PRINT)

# 1. REGISTRATION NO. 73-V-001 73 V 000 V

FORM APPROVED OMB NO. 0579-0036

SANCE REPORT OF THE PERSON OF ANNUAL REPORT OF RESEARCH FACILITY 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

Department of Veterans Affairs Central Office 810 Vermont Ave. NW Washington, DC 20420

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

#### **FACILITY LOCATIONS (Sites)**

VA Medical Center (635)

921 NE 13th St.

Oklahoma City, OK 73104

REPORT OF ANIMALS USED BY			(Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A.)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMAL (Cols. C D + E)
4. Dogs	6		265		265
5. Cats					
6. Guinea Pigs	13		44		44
7. Hamsters					
8. Rabbits			18		18
9. Non-human Primates					ļ
10. Sheep					ļ
11. Pigs			53		53
12. Other Farm Animals					
·					
13. Other Animals					
Mice	118		495		495
Rats	116		1,705		1,705
Ferrets			11		11

- 1). Prolessionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

#### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM "1629

18-23 (OCT 88), which is obsolete.)

(AUG 91)

1. REGISTRATION NO.

FORM APPROVED

OMB NO. 0579-0036

# ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

921000 92-V-001 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA,

include Zip Code Department of Veterans Affairs Central Office 810 Vermont Avenue, NW Washington, D.C. 20420

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

648 VA Medical Center

3710 SW US Veterans Hospital Road

Portland, OR 97201

A	B. Number of	C Number of	D. Number of animals upon	ecessary or use APHIS FORM 7023A.)  E. Number of animals upon which teaching,	F.
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits			116		116
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals		<u> </u>			
13. Other Animals					
Mice:	72,460	3,087	3,593		6,580
Rats:	1,440	952	2,176		3,128
•				C C S I W G TO	

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of an diugs prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility **NOV** 26 **1999** 

2). Each principal investigator has considered alternatives to painful procedures.

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such Explaining 15 AREASTEAN annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as \$1.50 \text{Section}\$ (as a second of the exception).

The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

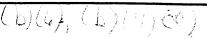
> CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91)



1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

USDA Forest Service Pacific Northwest Research Stution 1401 Gekeler Lane La Grande OR 97850

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

1) Starkey Experimental Forest a Range, near La Grande, UR

A	B. Number of	C Number of	D. Number of animals upon	E. Number of animals upon which teaching,	F.
Animals Covered By The Animal Wellare Regulations	animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposés.	animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
WILD ELK		570	·		570
TAME ELE WILD DEER		6]	36		9.7
WILD DEER		202	5	NEGEIMEIN	202

Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research-

2). Each principal investigator has considered alternatives to painful procedures

standards and regulations be specified and explained by the 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, and as the species and number of animals affected.

addition to identifying the IACUC-approved exceptions, this summary includes a oner explanation of the action of the IACUC approved exceptions, this summary includes a oner explanation of the action of the IACUC approved exceptions, this summary includes a oner explanation of the IACUC approved exceptions, this summary includes a oner explanation of the IACUC approved exceptions, this summary includes a oner explanation of the IACUC approved exceptions, this summary includes a oner explanation of the IACUC approved exceptions, this summary includes a oner explanation of the IACUC approved exceptions, this summary includes a oner explanation of the IACUC approved exceptions, this summary includes a oner explanation of the IACUC approved exceptions, this summary includes a oner explanation of the IACUC approved exceptions, this summary includes a oner explanation of the IACUC approved exceptions, this summary includes a oner explanation of the IACUC approved exceptions, this summary includes a oner explanation of the IACUC approved exceptions, the IACUC approved exceptions, this summary includes a oner explanation of the IACUC approved exceptions, the IACUC approved exceptions are also account to the IACUC approved exception of animal care and use

#### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143).

FORM 7029 18-23 (OCT 88), which is obsolete) (AUG 91)

DEC 20 1999

SELECT MARCH 2007

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

1. REGISTRATION NO. 23-V-001 23 V 000 1

FORM APPROVED OMB NO: 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

• VA Medical Center 1400 Black Horse Hill Rd. Coatesville, PA 19320 ro in the most expected as expension delicate year care of

(TYPE OR PRINT) 1775.00

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

542 VA Medical Center

1400 Black Horse Hill Road

R	Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Do	ogs					
5. Ca	ats					
6. Gi	inea Pigs					
7. Ha	ımsters					
8. Ra	abbits		A. a. e. i			
9. No	on-human Primates	· '				
10. SI	neep		,= 	·		
11. Pi	qs					
12. 0	ther Farm Animals					
				·		
13. O	ther Animals	· *			<u> </u>	<del> </del>
	·	•				
		المراجعين بساحة المأ	ONLY MICE	AND RATS USED	AT THIS FACILITY	

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

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**APHIS FORM 7023** (AUG 91)

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(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

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This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150.

> UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO. 23-V-002 d3

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Codel

Department of Veterans Affairs 810 Vermont Avenue, NW Washington, DC 20420

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

Department of Veterans Affairs Medical Ctr.

University & Woodland Aves.

Philadelphia, PA 19104

REPORT OF A			OF RESEARCH FACIL	ITY (Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A)
A.	`.	B. Number of animals being	C Number of animals upon	D. Number of animals upon which experiments.	E Number of animals upon which to experiments, research, surgery or

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTÁL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs	0	0	11	O	11
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	63	0	63
9. Non-human Primates	2	0	5	O	5
10. Sheep					
11. Pigs					. '
12. Other Farm Animals					·
13. Other Animals				,	
Prairie Dogs	0	0	45	0	45

#### **ASSURANCE STATEMENTS**

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91)

Replaces VS FORM 18-23 (OCT 88), which is obsolete)

ANNUAL REPORT OF RESEARCH FACILITY

1. REGISTRATION NO. 23-V-003 23 V 000

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) 

VA Pittsburgh Healthcare System Department of Veterans Affairs Central Office

810 Vermonat Ave., NW, Washington, DC 20420

(TYPE OR PRINT)

648 3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

粉塊質

**FACILITY LOCATIONS (Sites)** VA Pittsburgh Healthcare System

Pittsburgh, RA	R UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A.)	
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquitizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results; or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	TOTAL NO OF ANIMAL (Cols. C D + E)
1. Dogs			0		0
5. Cats					
6. Guinea Pigs					
7. Hamsters					<u> </u>
B. Rabbits		24		·	24
9. Non-human Primates					
10. Sheep					
I1. Pigs		0			0
12. Other Farm Animals		·			
13. Other Animals					
				<u> </u>	
ŧ			•	·	

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

alima care and use.		
(Chief Executive Officer or L	UARTES RESEARCH FACILITY OFFICIAL legally Responsible Institutional Official), correct, and complete (7 U.S.C. Section 2143).	
SIGNATUS EO/OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
APHIS FORM 7023 (Replaces VS FORM 18-23 (OCT 88), which is of (AUG 91)	Disolete) (D)(G), (D)(7)(C)	10-14-99

SUT MUST AND A MEMORIAL

UNITED STATES DEPARTMENT OF AGRICULTURE WANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 15-V-000 |

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

Department of Veterans Affairs Headquarters 810 Vermont' Avenue NW Washington, DC 20420

679

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

VA Medical Center 830 Chalkstone Avenue

# 650

Providence, RI 02908

REPORT OF ANIMALS USED BY	OR UNDER CONTROL OF	F RESEARCH FACILITY	l (Altach adiditional sheets if ne	cessury or use APHIS FORM 7023A.)	:
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animats upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs		•			
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
			•		<u> </u>
13. Other Animals					
Rats	53	156	25		234
Mice	62	248	140		450
Frogs	0	31			31

## ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

DATE SIGNED

SIGNATURE OF C.E.O. QE



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

10/20/19

APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolete).

ETION OF APHIL FORM 7028

WORK UNITED STATES DEPARTMENT OF AGRICULTURE # 10-16 HRISEGIAL OF ANIMAL AND PLANT HEALTH INSPECTION SERVICE 2017 Jagob & by

1. REGISTRATION NO. 1 10 Response quicklism management de 10000

FORM APPROVED OMB NO. 0579-0036

art C. Recificits 0.33 and 2.36) **ANNUAL REPORT OF RESEARCH FACILITY** (TYPE OR PRINT)

Z HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

WA Medical SRegional Office Center 2501 W. 22nd St., Bldg 28 Sioux Fallsa SD 57117

E 70 4 0 5 a norm 2 m back on bette 1004 50 4 50 a M∃78 District City (60 m) on system of any configuration

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) (1) RC Johnson VAMC Bldg 28 (2) University of South Dakota Animal Pacility Vermillion SD (USDA Tic 46R0001)

FACILITY LOCATIONS (Sites)

2 <u>6 -</u>

438 VA Medical Center

Sioux Falls, SD

A Company to the state of the s	B. Number of 4111 animals being	C Number of	(Attach adiditional sheets if ne	E. Number of animals upon which teaching.	F.
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquillizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs	ž	er i sama ingge		2	
7. Hamsters					
8. Rabbits			14		14
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					379×
13. Other Animals (rate					
To Such Aminus (Fara		7	32		32
					•
ASSURANCE STATEMENTS	a)				

- 1). Professionally acceptable standards governing the care, treatment, and use of animal appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during; and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES (Chief Executive Officer or Legally

CILITY OFFICIAL tional Official)

certify that the above is true, correc

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

1723 (F.EVETSE)

DATE SIGNED

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

**APHIS FORM 7023** (AUG 91)

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

# 1. REGISTRATION NO.63-F-0001

FORM APPROVED OMB NO 0579-0036

US Government Facility OMB NO 05/9-0030

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

Oak Ridge National Laborat

ATTN:

P. O. Box 2008 Oak Ridge, TN 37831-6253

purposes. Allach addition 3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for the sheets if necessary)

**FACILITY LOCATIONS (Sites)** 

4500S,

Life Sciences Division - Bldgs. 9210, 4501

Instrumentation & Controls Div.

Bldg. 3500

Satellite Fac.

1504

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMAL (Cois. C D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
·					
13. Other Animals					
White-footed deer mouse		22			
Western Harvest mouse		4			

### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, freelinent, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending vetermarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Ecertify that the above is true, correct, and complete (7 U.S.C. Section 2143) DATE SIGNED

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

Ridge National Laboratory

HIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

1. REGISTRATION NO.

FORM APPROVED

63-F-0005 OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA ALVM C. York VA Medical Center 3400 Lebanon Pike

Murfreesboro, TN. 37129

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

964

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) **FACILITY LOCATIONS (Sites)** 

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Atlach adjuditional sheets if necessary or use APHIS FORM 7023A.) E. Number of animals upon which teaching, B. Number of C Number of D. Number of animals upon animals being experiments, research, surgery or tests were animals upon which experiments, conducted involving accompanying pain or distress **Animals Covered** which leaching, teaching, research, By The Animal conditioned, or to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would research. TOTAL NO. surgery, or tests were held for use in Welfare Regulations experiments, or OF ANIMALS conducted involving teaching, lesting, have adversely affected the procedures, results, or lesis were accompanying pain or conducted interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of experiments. distress to the animals research, or (Cols. C + D + E) involving no and for which appropriate surgery but not the procedures producing pain or distress in these pain, distress, or anesthetic, analgesic, or vet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were purposes. must be attached to this report). relieving drugs. used. 0 4. Dogs 0 Cats 0 Guinea Pigs Hamsters 0 8. Rabbits 0 Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals **ASSURANCE STATEMENTS** 

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

VINA AND AND AND A Chief Executive Officer of	QUARTES RESEARCH FACILITY OFFICIAL r Legally Responsible Institutional Official) rue, correct, and complete (7 U S C. Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME A TITLE OF C.E.O. OD INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
S FORM 7023 (Replaces VS FORM 18-23 (OCT 88), which is (AUG 91)	obsolete) $(1)(6)(7)(7)$	

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150.

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE .
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

74-F-0001

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA Include Zip Code)

Air Force Research Laboratory, Veterinary

Sciences Branch, AFRL/HEDV 2509 Kennedy Circle

Brooks Air Force Base, TX 78235-5118

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

Veterinary Sciences Branch

Brooks Air Force Base, Texas

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred,	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted invulving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquitizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	·				
5. Cats					
6. Guinea Pigs					
7. Hamsters		.141	638	·	779
8. Rabbits			47		47
9. Non-human Primates	306	40	58	118	216
10. Sheep				•	
11. Pigs			18	30	48
12. Other Farm Animals					
Goats		50	28		78
13. Other Animals			·		
			•		

### SSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This lacility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete [7 U.S.C. Section 2143].

IGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(b)(7)(c)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)

DATE SIGNED

Air Force Research Laboratory



NOV 26 1999

Air Force Research Laboratory, Brooks Air Force Base, Texas 78235-5118

Animals used in actual research or experimentation involving pain or distress without the use of drugs:

- 1. A total of one hundred eighteen (118) nonhuman primates, including those animals having multi-year assignments, were trained and their performance maintained by standard operant techniques using negative reinforcement. The use of drugs would have interfered with performance training/maintenance and the identification of any decrement in performance resulting from experimental conditions.
- 2. A total of thirty (30) pigs, including those animals having multi-year assignments, were trained and their performance maintained by standard operant techniques using negative reinforcement. The use of drugs would have interfered with performance training/maintenance and the identification of any decrement in performance resulting from experimental conditions.

additional information.

UNITED	STATES	DEPARTMENT	OF AGRICULTURE	
ANIMAL	AND PLA	NT HEALTH IN	ISPECTION SERVICE	F

()007

FORM APPROVED

OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

US ARMY MEDICAL DEPARTMENT CENTER AND SCHOOL DEPARTMENT OF VETERINARY SCIENCE

ATTN:MCCS-HV

2250 STANLEY ROAD

FORT SAM HOUSTON, TEXAS 78234-6145

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

**BLDG 2660** 

BLDG T-2660

A.  Animals Covered By The Animal Wellare Regulations	conditioned, or research, leaching, research, to the animals and for which the use of appropriate		F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)		
4. Dogs		23			23
5. Cats		77			7
6. Guinea Pigs			·		
7. Hamsters				·	
8. Rabbits		6			6
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals	`	·			
Goats			401		401
13. Other Animals			·		
•					

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the AcI, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).



DATE SIGNED

774F-10003 0003

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Wilford Hall USAF Medical Center
WHMC/CRES - Clinical Investigations Squadron
1255 Wilford Hall Loop
Lackland AFB, Texas 78236-5300

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

Clinical Investigations Squadron WHMC/CRES 1255 Wilford Hall Loop

Lackland AFB, Texas 78236-5300

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred,— conditioned, or held for use in teaching, testing, experiments.	C Number of animals upon which teaching, research, experiments, or tests were conducted	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or international conductions.	F. TOTAL NO. OF ANIMALS	
	research, or surgery but not yet used for such purposes.	involving no pain, distress, or use of pain- relieving drugs.	distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	interpretation of the teaching, research, experiments, surgery, or tests: (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	(Cols. C + D + E)	
4. Dogs	0	0	45	0	45	
5. Cats	0	11	0	0	1	
6. Guinea Pigs	0	0	0	0 .	0	
7. Hamsters	0	0	0	0	0	
8. Rabbits	28	3	50	0	53	
9. Non-human Primates	0 .	0	0	0	0	
10. Sheep	0	. 0	0	0	0	
11, Pigs	17	0	181	0	181	
12. Other Farm Animals			·			
Goats	53	0	140	0	140	
13. Other Animals						
Mice	0	4	171	0	175	
Rats	36	1	36	0	37	
Ferrets	0	0	21	0	21	

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

190c+99

APHIS FORM 7023 (AUG 91)

ASSURANCE STATEMENTS

(Replaces VS FORM 18-23 (OCT (88), which is obsolete



Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

00

FORM APPROVED OMB NO. 0579-0036

# ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY IN ame and Address, as registered with USDA include Zip Code)

USDA, REE, ARS, SPA, Knipling-Bushland U.S. Livestock Insects Research Laboratory 2700 Fredericksburg Road

Kerrville, Texas 78028-9184

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Kerrville, Texas

Camp Stanley Storage Activity, Boerne, Texas

Mission, Texas

REPORT OF ANIMALS USED BY OF A.	B. Number of	C Number of		E. Number of paints were which to this	
Animals Covered By The Animal Wellare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
i. Dogs					
5. Cats					
6. Guinea Pigs		55			55
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep	0		Statement: Fa:	m animals used at this facility	7
11. Pigs			are	involved in studies to increas	se
12. Other Farm Animals	O		. an:	imal production.	
13. Other Animals					

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research lacility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of . animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

TIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED 11-17-99

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

:5:5:5

74-F-005

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Commander

ATTN: MCHE-CI

Brooke Army Medical Center 3851 Roger Brooke Drive

Fort Sam Houston, TX 78234-6200

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

FY 99

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)

Building 3611, Dept of Clincal Investigation Laboratory Animal Medicine Service

Fort Sam Houston, TX 78234-6200

KEPURI UP ANIMALS USED BY	ON ONDER CONTROL OF	F RESEARCH FACILI	IT (Allach aululun)	ial sneels il necess	ary or use APHIS FORM 7023A.)
			ويبين والمراجعة		
Δ .	R Number of	C Number of	1 -		N b

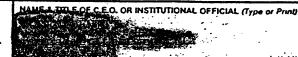
Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of Jhe teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs				RECEIVED USDA APHIS VS	
7. Hamsters				· ·	
8. Rabbits			79	DEC 6 - 1999	79
9. Non-human Primates				CENTRAL REGIONAL	
10. Sheep			9	OFFICE WA	9
11. Pigs			93		93
12. Other Farm Animals	•				
Goats			36		36
13. Other Animals					
÷					

### **ASSURANCE STATEMENTS**

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of , animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).



DATE SIGNED

Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

Set reverse side to additional following

Interagency Room, Control 180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

FY 1999

74-F-0006

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

BIOLOGICAL RESEARCH SERVICE
DEPARTMENT OF CLINICAL INVESTIGATION
WILLIAM BEAUMONT ARMY MEDICAL CENTER
EL PASO, TEXAS 79920-5001

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Biological Research Service William Beaumont Army Medical Center

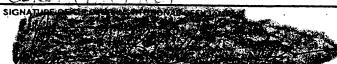
El Paso, Texas 79920-5001 (Single Site)

A.  Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred,- conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of annihals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters				·	
8. Rabbits			65		65
9. Non-human Primates					
10. Sheep					
11. Pigs	6		18		18
12. Other Farm Animals					
Goats	6		9		9
13. Other Animals					
Ferrets	9		14		14
<u> </u>				·	1

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analysis, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).





DATE SIGNED

Dec 99

See reverse side for additional information. Interagency Report Control No 3 8 - 0180-DOA-AN 1 1 2 2 2 3 3

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 74-V-007 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Code) VA Medical Center 6010 Amarillo Blvd, West Amarillo, TX 79106

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

VA. Medical Center AMARILLO, TEXAS

Α	B. Number of	C Number of	D. Number of animals upon	Cessury or use APHIS FORM 7023A.)  E. Number of animals upon which teaching.	F.
Animals Covered By The Animal Wellare Regulations	animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs			10		10
5. Cats			13	The space of the	13
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep	,				
11. Pigs					
12. Other Farm Animals	1				
13. Other Animals	جم سداد د ب	. • • • • • • • • • • • • • • • • • • •	A CONTRACTOR		
	<i>y</i>				
	14				

## **ASSURANCE STATEMENTS**

- 1). Prolessionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures

UTIONAL OFFICIAL

- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
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• (	certification by headquartes research facility of Gial
	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)
	1 and the short sh

DATE SIGNED

228 (Reviews

FORM 18-23 (OCT 88), which is obsolete.)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

### 1. REGISTRATION NO. 74 V 0008 74-V-008

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, · include Zip Code)

Department of Veterans Affairs Central Office 810 Vermont Avenue, NW Washington, DC 20420

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

### **FACILITY LOCATIONS (Sites)**

Department of Veterans Affairs North Texas Health Care System #549

4500 South Lancaster Road

sheets if necessary.)

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMAL: (Cols. C + D + E)
4. Dogs	·			·	
5. Cats					
6. Guinea Pigs	0-		5		5
7. Hamsters					
3. Rabbits	0		8		8
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
					<u> </u>
13. Other Animals				•	
Rats	1389		4577	·	4577
Mice	24 .		32		32

- Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

# CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

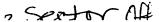
I certify that the above is true, correct, and complete (7 U.S.C. Section 2143). NAME & TITLE OF

**DATE SIGNED** AL (Type or Print)

**APHIS FORM 7023** (AUG 91)

SIGNATURE OF C.E

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)



ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

<sup>.</sup> 74**-∀-**009

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) 1 5 5

Department of Veterans Affairs Central Office 810 Vermont Ave NW Washington, DC

'n.

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

671

**FACILITY LOCATIONS (Sites)** 

South Texas Veterans Health Care System Audie L. Murphy Division

a nama kanisa nyina

7400 Merton Minter Blvd. San Antonio, TX 78284

A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgestic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMAL:  (Cols. C +  D + E)
4. Dogs			5		5
5. Cats					
6. Guinea Pigs				25	25
7. Hamsters					
8. Rabbits	• 1		<b>-</b>		
9. Non-human Primates			<u>.</u>		
10. Sheep					
11. Pigs					·
12. Other Farm Animals					
13. Other Animals					
Rats	<b>-</b>	399	152		551
- Mice	1822	12095	705	13597	26397

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

OCT

1999

**APHIS FORM 7023** (AUG 91)

end

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

74 V 0009

671 VA Medical Center 7400 Merton Minter Blvd. San Antonio, TX 78284

# E. Explanation of Procedures

# Guinea Pigs, Mice

Fungal agents are administered IC into guinea pigs. Infected animals develop systemic infection. The clinical presentations are anorexia, lethargy, and finally death. Additional medications would interfere with evaluation of the efficacy of the drugs being studied.

### Mice

The lifetime studies mice are allowed to die naturally without intervention to obtain valid statistical data on life spans.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA (5)(0),(1)(7)(2)

US Army Institute of Surgical Research 3400 Rawley E. Chambers Avenue Fort Sam Houston

San Antonio, Texas

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

Building 3611, Comparative Medicine Branch

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred,—conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, . teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs			34		34
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs	13		279		279
12. Other Farm Animals					
Goats	3		61		61
13. Other Animals					
A	-				
			*:		1

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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# CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL



MAL (Type or Print)

DATE SIGNED

30 Nov 99

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

(AUG 91)

1. REGISTRATION NO. 74-V-011

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

Department of Veterans Affairs Central Office 810 Vermont Avenue NW Washington, D.C. 20420

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets illustrated and the state of the state

FACILITY LOGATIONS (Siles

580 VA Medical Center

2002 Holcombe Blvd Houston, TX 77030-2498

A. Animals Covered By The Animal Welfare Regulations -	B. Number of animals being bred, conditioned, or held lor use in teaching, testing, experiments, research, or surgery but not yet used lor such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats		107		·	107
6. Guinea Pigs					
7. Hamsters		5			5
8. Rabbits		19			19
Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals			•		
13. Other Animals		122			122
·					

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

OCT

2 5 1999

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE . ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

DOD VETERINARY LABORATORY ATTN MCVS-LAB

SEP 30 1999

2472 SCHOFIELD RD BLDG 2632 FT SAM HOUSTON, TX 78234-6232

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) 2632

FACILITY LOCATIONS (Sites)

CLINICAL INVESTIGATION SVC ANIMAL FACILITY

BLDG 2635, BAMC, FT SAM HOUSTON, TX

A Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates		·			
10. Sheep					
11. Pigs	· .				
12. Other Farm Animals					
13. Other Animals				:	
MICE (MUS)			0.		0

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

23 SEP 99

APHIS FORM 7023 (Replaces VS FORM 18-23 (OCT 88), which is obsolete.) **(AUG 91)** 

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

USDA ARS POISONOUS PLANT RESEARCH LAB 1150 EAST 1400 NORTH LOGAN, UT 84341

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

1150 EAST 1400 NORTH, LOGAN, UT 84341

A.  Animals Covered  By The Animal  Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animats upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats		1			1
6. Guinea Pigs					
7. Hamsters			65		65
8. Rabbits					
9. Non-human Primates					
10. Sheep				•	
11. Pigs					
12. Other Farm Animals					
13. Other Animals		OTHER ANI	S AT THIS FACT	ITY ARE EITHER DEFORE AGRICULTURAL RESEARCH	
		AND NOT R	EQUIRED TO BE R	PORTED ON THIS FORM OR MICE AND EXEMPT UNDER AWA.	

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of annual report.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Ticertify that the above is true, correct, and complete (7 U.S.C. Section 2143).

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NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED USDA, A HIS, AC SACPAM NTO. CA

See reverse side tor additional information

Interagency Report Control No Caris 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 87-F-0002 Cust ID

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

U.S. ARMY DUGWAY PROVING GROUND LIFE SCIENCES DIVISION CSTE-DTC-DP-WD-L DUGWAY, UTAH

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

SAME AS ITEM 2

A	B. Number of	C Number of	(Altach adiditional sheets if ne	E. Number of animals upon which teaching,	12
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain- relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits			. 6		6
9. Non-human Primates				· · · · · · · · · · · · · · · · · · ·	
10. Sheep					
11. Pigs	-				
12. Other Farm Animals		·			
13. Other Animals			·		
Mice		23	150		173
		,		TEWNED ST	$\nabla$

Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of ane and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures

- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions as well as the specified annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the specifical animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)



DATE SIGNED

to, during,

13/21/93

nalgesic, and tranquilizing drugs prio

OCT 2 5 1999

**ANNUAL REPORT OF RESEARCH FACILITY** 

(TYPE OR PRINT)

1. REGISTRATION NO. 3-4-0001

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Žip Code) 123

VA Headquarters

810 Vermont Avenue, N.W. Washington, DC 20420

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

e i

VA Medical & Regional Office Center Research & Development Src./B-44/ARF

215 North Main Street

White River Junction, VT 05009-0001

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were, conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery of tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	0 .
6. Guinea Pigs	0	0	0	O	0
7. Hamsters	4	0	0	0	0
8. Rabbits	0	0	· 0	0	0
9. Non-human Primates	0	0	0	, o	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals					
RATS	11	251	49	0	300
MICE	736	1668	0	171	1839

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures."
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition of identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

# CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF CEO DRINSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

ORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

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37

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 52-V-002 52 V 0002

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

vA Medical Center
100 Emancipation Road
Hampton, VA 23667

2. HEADQUARTERS RESEARCH FACILITY

43

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

VA Medical CenterrMedical Research (151)

Bldg 72, Room 106 Hampton, VA 23667 - #590

Δ	B. Number of	C Number of	D. Mariana and A. Mariana	E. Number of animals upon which teaching,	F.
Animals Covered By The Animal Wellare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments; research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain- relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	TOTAL NO. OF ANIMAL: (Cols. C + D + E)
1. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters			Noanima	15 used of this	ļ
3. Rabbits			roamina	is used at this	<u> </u>
9. Non-human Primates			10	CILITY	
10. Sheep					
11. Pigs					
12. Other Farm Animals				8-31-99	1
	2 5 STATE	a a	<u> </u>	(b)(a) (b)(7)(c)	
13. Other Animals					
					<b> </b> \

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

9/3/99

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO. 52-V-003

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

Department of Veterans Affairs Central Office 810 Vermont Avenue Washington, DC 20420

F03100 -

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

652 VA Medical Center

1201 Broad Rock Blvd.

Richmond, VA 23249

REPORT OF ANIMALS USED BY O			(Attach adiditional sheets if ne	cessury or use APHIS FORM 7023A.)	,
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (COIS. C + D + E)
4. Dogs			88		88
5. Cats			0		0
6. Guinea Pigs			0		0
7. Hamsters			0		<sup>'</sup> 0
8. Rabbits			181		181
9. Non-human Primates			0		0
10. Sheep			0		0
11. Pigs			0		0
12. Other Farm Animals			0		0
13. Other Animals					
Rats			926		926
Mice			300		300
ASSURANCE STATEMENTS			-		

- 1). Prolessionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7.U.S.C.

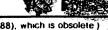
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL





we or Print)

DATE SIGNED



Hereit

ANNUAL REPORT OF RESEARCH FACILITY

1. REGISTRATION NO.

52-F-0004

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and include Zip Code)

(TYPE OR PRINT)

NAVAL MEDICAL CENTER 620 JOHN PAUL JONES

ATTN: CIRD, CODE 00B3

PORTSMOUTH, VA 23708-219BY

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

**FACILITY LOCATIONS (Sites)** 

CIRD

animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, 'analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
		16	<u> </u>	16
		42		42
		53		53
		11		11
5		128		128
	bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.  Which teaching, research, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.  I tests were conducted involving no pain, distress, or use of pain-relieving drugs.  I test were conducted involving no pain, distress, or use of pain-relieving drugs.  I test were conducted involving accompanying pain or distress, or use of pain-relieving drugs.  I tests were conducted involving accompanying pain or distress, or use of pain-relieving drugs.  I tests were conducted involving accompanying pain or distress, or use of pain-relieving drugs.  I tests were conducted involving accompanying pain or distress, or use of pain-relieving drugs.  I tests were conducted involving accompanying pain or distress, or use of pain-relieving drugs.  I tests were conducted involving accompanying pain or distress, or use of pain-relieving drugs.  I tests were conducted involving accompanying pain or distress, or use of pain-relieving drugs.  I tests were conducted involving accompanying pain or distress, or use of pain-relieving drugs.  I tests were conducted involving accompanying pain or distress, or use of pain-relieving drugs.  I tests were conducted involving accompanying pain or distress, or use of pain-relieving drugs.	animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for or surgery but not yet used for but purposes.  Which experiments, research, conducted involving no pain, distress, or use of pain-relieving drugs.  The surgery are tests were conducted involving pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.  The surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs were used.  The surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs were used.  The surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely allected the procedures, results, or interpretation of the teaching, research, experiments, testing was an experiments, research, to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would be antimally an animals and for which the use of appropriate anesthetic analgesic, or tranquilizing drugs animals and for which the procedure specific procedure specific procedure specific procedure specific procedure specific procedu

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Aci, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of 1(7) animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

1. REGISTRATION NO.

54-V-002

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

# ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

DEPARTMENT OF VETERANS AFFAIRS CENTRAL OFFICE 819 VERMONT AVE. NW

WASHINGTON, DC 20420

682

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

VA MEDICAL CENTER

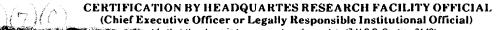
-#58

1540 SPRING VALLEY DR., HUNTINGTON, WV 25704

REPORT OF ANIMALS USED BY				cessury or use APHIS FORM 7023A.)	
A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates		,	: 		
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
14. GERBILS		40			40
15. RATS	95	66	62		223
ASSURANCE STATEMENTS					

### SSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.



Spertify that the above is true, correct, and complete (7 U.S.C. Section 2143).

DATE SIGNED

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23 (OCT 88), which is obsolete)

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NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

Set reverse side for additionalinformation

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1 REGISTRATION NO .

91-F-0001

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA Include Zip Code) USDOC NOAA NMFS

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT) (LIFT T)

Alaska Fisheries Science Center
National Marine Mammal Laboratory
7600 Sand Point Way NE
Seattle WA 98115-0070

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

The reported animals were captured and restrained for various tagging or instrumentation studies at various field locations including: Eastern Aleutian Island, AK; Western Gulf of Alaska; San Miguel Island, California Channel Islands, Puget Sound, WA.

ILITYLOCAT	TiONS (Sites)	
- 1		

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A)						
A. Animals Covered By The Anima Welfare Regulations	B.Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, o use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquillizing drugs were used	E, Number of animals upon which teaching experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in those animals and the reasons such drugs were not used must be attached to this report)	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)	
4. Dogs	,					
5. Cats						
6. Guinea Pigs						
7. Hamsters						
8. Rabbits						
9. Non-human Primates						
10. Sheep		<u> </u>				
11., Pigs						
12. Other Farm Animals						
13 Other Animals		/4 a.d.))	1 subadult male) captured	and temporarily		
Dall Porpoise		restrained to at	tach transmitter		2	
Beluga Whale		captured and temporarily restrained to attach satellite tags (7), and to measure (2)			9	
Ringed Seal		adults captured	3			

1) Professionally acceptable standards governing the care, treatment, and use of animals including appropriate use of artesthetic, analgesic, and tranquilizing drugs prior to, during and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility NOV 2 6 1999

2) Each principal investigator has considered alternatives to painful procedures.

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions.

4) The attending veterinarianfor this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(Chief Executive Office	ADQUARTERS RESEARCH FACILITY OFFICIAL er or Legally Responsible Institutional Official) is true, correct, and complete (7 U.S.C. Section 2143).
SIGNATURE OF CEO OR INSTITUTIONAL OFFICIAL	NAME TO LEGISLES OF INSTITUTIONAL DEFICIAL (Type or Print)

DATE SIGNED

I. REGISTRATION NO.

91-F-0001

FORM APPROVED OMB NO. 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA Include Zip Code)

USDOC NOAA NMFS

Alaska Fisheries Science Center National Marine Mammal Laboratory 7600 Sand Point Way NE Seattle WA 98115-0070

	B.Number of	C. Number of	D. Number of animals upon	E. Number of animals upon which teaching	F.
Animals Covered By The Anima Welfare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments,	animals upon which teaching, research, experiments, or tests were conducted	which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals	experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	TOTAL OF ANI
12. &/OR 13. Other (List by species)	research, or surgery but not yet used for such purposes	involving no pain, distress. o use of pain- relieving drugs.	and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	the procedures producing pain or distress in those animals and the reasons such drugs were not used must be attached to this report)	(Cols. D+
Harbor Seal		measure, tag,	aptured and temporarity reattach radio tags, and time	e dept recorders (11)	82
California Sea Lion		600 pups captu brand (500), ar	ared and temporarily restra	ined to weigh, measure,	600
Northern Fur Seals		moscire and	ptured and temporarily restant (200)		1281
Northern Fur Seals		20 juvenile males captured and temporarily restrained to weigh, measure, tag (15), attach satellite (15), radio transmitters (15), time-depth recorders (7), and give enemas(5)			. 20
	***************************************				

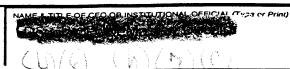
- Professionally acceptable standards governing the care, treatment, and use of animals including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)
I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

GNATURE OF CEO OR INSTITUTIONAL OFFICIAL





DATE SIGNED

11-24-99

ASSURANCE STATEMENTS

UNITED STATES DEPARTMENT OF AGRICULTURE

ANIMAL AND PLANT HEALTH INSPECTION SERVICE

**ANNUAL REPORT OF RESEARCH FACILITY** (TYPE OR PRINT)

1. REGISTRATION NO. 91-V-001 C

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

·ormation.

Department of Veterans Affairs Central Office

810 Vermont Avenue NW Washington, D.C. 20420

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

## FACILITY LOCATIONS (Sites)

# 663 - VA Puget Sound Health Care System

1660 So. Columbian Way

Seattle, WA 98108

CC: 1	
alya)	(U)(Y)(C)

REPORT OF ANIMALS USED BY	OR UNDER CONTROL OF	F RESEARCH FACILITY	(Altach adiditional sheets if ne	cessary or use APHIS FORM 7023A)	<del></del>
A. Animals Covered By The Animal Welfare Regulations	8. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	22	0	27	0	27
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	5	3	257	0	260
9. Non-human Primates	0	0	0	0	0
10. Sheep	18	0	38	0	38
11. Pigs	2	0	17	0	17
12. Other Farm Animals					
13. Other Animals					
Mice	1630	401	425	0	826
Rats	25	1008	875	0	1883
Frogs	0	0	8		· · ·8
ASSURANCE STATEMENTS					5 (81)

1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures.

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of antique for an included a brief explanation of the exceptions, as well as the species and number of antique for an included a brief explanation of the exceptions, as well as the species and number of an included a brief explanation of the exceptions, as well as the species and number of an included a brief explanation of the exceptions.

SACRAMENTO, CA 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary animal care and use.

### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL





DATE SIGNED

FORM APPROVED

OMB NO. 0579-0036

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

**ANNUAL REPORT OF RESEARCH FACILITY** 

(TYPE OR PRINT)

1320

1. REGISTRATION NO.

# 91-V-001

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

Department of Veterans Affairs, Headquarters 810 Vermont Ave. N.W. Washington, D.C. 20420

NOV 26 1999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

**FACILITY LOCATIONS (Sites)** 

663 - VA Puget Sound Health Care System

1660 So. Columbian Way

Seattle, WA	98108					
A.  Animals Covered By The Animal Wellare Regulations	B. UNDER CONTROL Of B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Ottach adiditional sheets if no burner of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)	
4. Dogs	22	0	27	0 ω	27 49	
5. Cats	0	0	0	0	0	
6. Guinea Pigs	0	0	0	0	0	
7. Hamsters	0	0	0	0	0	
8. Rabbits	5	3	257	0 0	260	
9. Non-human Primates	9	. 0	0	0	0	
10. Sheep	18	0	38	0 73	3858	
T Pigs	2	0	17	0	1710	
12. Other Farm Animals				Pegtelephone W/		
•				248		
13. Other Animals				20 Dec 99		
Mice	1630	401	425	(b)(b)(b)(c) a	2456	
Rats	25	1008	<b>9</b> 75	0 &	1063	
Frogs	. 0	0	8		8	
ASSURANCE STATEMENTS						

1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of an street, analysis, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures.

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

Learning that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

205-764-2250 762-160

PART 2 - SECTOR OFFICE

0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Code)

Madigan Army Medical Center

Department of Clinical Investigation (MCHJ-CI) Tacoma, WA 98431

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

### **FACILITY LOCATIONS (Siles)**

Madigan Army Medical Center

Department of Clinical Investigation

Madigan Army Medical Center

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMAL:  (COIS. C + D + E)
. Dogs					
5. Cats					
6. Guinea Pigs					<u> </u>
7. Hamsters					
3. Rabbits					
Non-human Primates					<del> </del>
10. Sheep					
11. Pigs	10		13		13
12. Other Farm Animals					
Goats		,	17		17
13. Other Animals					
Ferrets			16		16
Chinchillas			18		18

### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to pluning.
- and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility

2). Each principal investigator has considered alternatives to painful procedures

This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual seport. addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of mining the care.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary chief animal care and use.

> CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Learning that the above is true, correct, and complete (7 U.S.C. Section 2143).

OR INSTITUTIONAL OFFICIAL

THE OF E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

29 Nov99

MADIGAN ARMY MEDICAL CENTER

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

NOV 3 0 1999

1. REGISTRATION NO.

FORM APPROVED

OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

USDA\_ARSTADRU 337 Bustad Hall, WSU Pullman, WA, 99164-7030

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

USDA-ARS-ADRU, Pullman, WA

USDA-ARS-ADRU, Moscow, ID

A.  Animals Covered  By The Animal  Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep	6	114			114
11. Pigs				(Will) (W(7) [C)	
12. Other Farm Animals				Pertelephone W	
Cattle		41	25	and the second s	66
13. Other Animals				19 Nov99 -a	1
Goats		21			21
Horses	12	4	2		6
Mink		49	·	والمستعملين والمراجع والمراجع والمستعمل والمستعم والمستعمل والمستعمل والمستعمل والمستعمل والمستعمل والمستع	49

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs. la. during. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures.

1 8 1999 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected

4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).



INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

48-R-0005

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

BAYER CORP

DEC 17 1999

PO BOX 390

17745 S METCALF AVE

SHAWNEE MISSION, KS 66201

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Sites)

56168

35040 W. 87th Street, DeSoto, Kansas 66018

56187 275 S. Lane Street, Bldg. #5 Worthington, MN REPORT OF ANIMALS USED BY OR UNDER CONTROL OF B

12707 W. 63rd Street Shawnee, Ks. 66216

A.  Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred,conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were "Conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	Ecossary or use APHIS FORM 7023A)  E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs		64		3	67
5. Cats		6.4			64
6. Guinea Pios		414	1709	1011	3134
7. Hamsters				5518	5518
8. Rabbits		10	-600 540 izlu	40 623	1223
9. Non-human Primates			J		
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
					•
				·	
ASSURANCE STATEMENTS .					

- 1). Prolessionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during. and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

E.O. OR INSTITU

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type o

(OCT 88), which is obsol-

# ATTACHMENT 1

# BAYER ANIMAL HEALTH Registration No. 48-R-0005

The hamsters used are in accordance with 9 CFR 113.101, 113.102, 113.103 and 113.104 to release USDA licensed product containing leptospira organisms. The hamsters listed in the pain not relieved by anesthesia category were either used for passage of the challenge culture or as negative control animals which were challenged with viable organisms.

The rabbits used are in accordance with 9 CFR 113.109 to release USDA licensed product containing clostridal organisms.

The guinea pigs used are in accordance with 9 CFR 113.106 and 113.107 to release USDA licensed product containing clostridial organisms. The guinea pigs listed in the pain not relieved by anesthesia were used as controls which were not vaccinated but were challenges with viable organisms. Guinea pigs were also used in accordance with 9 CFR 113.451 to release USDA licensed product containing tetanus antitoxin.

The canines used in accordance with 9 CFR 113.202 and 113.204 to release USDA licensed product. The canines listed in the pain not relieved by anesthesia category were used in the qualification of a reference vaccine.

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NOOS 41 ROOOS

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code)
University of Hinnesota Div of Comp Med, Box 351 UMHC 516 Delaware Street, SE Minneapolis, MN 55455 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites) SAALAXISANES-Duluth Campus Minneapolis Campus

Hormel Institute St. Paul Campus

				cessary or use APHIS FORM 7023A)  E. Number of animals upon which teaching,	1 -
A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, averaging the surgery or lests. (An explanation of	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	51	20	558	0	578*
5. Cats	0	17	297	0	314*
6. Guinea Pigs	20	170	209	0	379
7. Hamsters	36	231	432	0	663
8. Rabbits	30	191	572	370	1133
9. Non-human Primates	50	38	64	0	102
10. Sheep	2	0	346	0	346
11. Pigs	30	354	665	0	1019
goat horse 72. Other Farm Animals	25	197	46	0	243
08 dogs and 281 ca	s were hum:	ne society	owned and retu	rned	
13. Other Animals Ferre		0	2	0	2
Chinchilla	0 .	10	117	0	127
Wild Rodents	0	59	320	. 0	37 <b>9</b>
ASSURANCE STATEMENTS					

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

> CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

OV

leplaces VS FORM 18-23 (OCT 88), which is obsolete)

0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 41-R-0005

FORM APPROVED OMB NO. 0579-0036

# CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) University of Minnesota Div of Comp Med, Box 351 UMHC 516 Delaware Street, SE Minneapolis, MN 55455

PORT OF ANIMALS USED BY OF	R UNDER CONTROL OF	MESEARCH FACILITY		E. Number of animals upon which teaching,	F
Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used	TOTAL NO OF ANIMAL (Cols. C D + E)
12. &/OR 13. Other (List by species)	purposes.	relieving drugs.	used.	must be attached to this report).	
nregulated Speci	es				110,633
Mice					13.948
Rats					5.558
Poultry					1
Amphibians					1,804
Reptiles			ļ		180
Pigeons					
Other avian					792
e ranging wildli	fe mammals		<u> </u>		
Fish					10,07
					<u> </u>
					<del> </del>
					-
					+
-					-
					+
	·				+
					-

# ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition, to identifying the IACLC-increased exceptions, this summary includes a hiral explanation of the exceptions, see well as the species and number of animals attached. addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

animal care and use		THE OLD WAY	PEICIAI	
	COLL CID Colling Officer	DQUARTES RESEARCH FACILITY OF or Legally Responsible Institutional Offi strue, correct, and complete (7 U.S.C. Section 2143)	cial)	
DITIO	NAL OFFICIAL $(b)(6)$ (b)(7)(0)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OF	FFICIAL (Type or Print) (b)(b) (b)(fy)(c)	DATE SIGNED

# Optional Column E Explanation Form

;	and	Literuse is voluntary N	ames, addresses, pro explanation. A Colu	the Column E explanation. It is not an of otocols, veterinary care programs, and the mn E explanation must be written so as	ie like, ale
	1.	Registration Number	41-R-0005		
	2.	Number 370		_of animals used in this study.	
	3. 9	Species (common name	) <u>rabbit</u>	_of animals used in this study.	
	4.	Explain the procedure	e producing pain a	nd/or distress.	
to prequiallor exhibition	rod ire w p bit rta	duction of toxic she hypotension/shock progression to at 1	ock syndromes or to be present f east that point. ombined with ina rotective abilit	treptococcal, and enterococcal f endocarditis. Toxic shock synd or diagnosis, and thus, for our The end point is failure of ra bility to right themselves. Thi y of toxoid vaccines we have dev	studies, we must bbits to s is particularly
	rel rel	lieved State methods	or means used to d	and/or distress could not be etermine that pain and/or distress Federally mandated testing, see	
are mech the with	in and tox pa	fact risk factors ism underlying the	for development increased risk int effects on thations. It is f	dicating pain relieving medication of toxic shock syndromes. Althous unclear, there is evidence to be host nervous system, and thus for this reason that we do not according to the second statement of the second statement of the second secon	ough the exact suggest that may synergize
	the	What, if any, federal i e Code of Federal Reg imber (e.g., APHIS, 9	ulations (CFR) title	this procedure? Cite the agency, e number and the specific section	
	Αg	gency		CFR	

1. REGISTRATION NO.

22-R-0121

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

# ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Mercial Limited 2100 Rosson Road Iselin, NJ 08830

3. REPORTING FACILITY (List all locations where animals were housed or used in actual resting, teaching, or experimentation, or field for these purposes. Attach additional Sheets if necessary.)

FACILITY LOCATIONS (5/101)

(1) Atnes Main Facility

(2) Athens Research Center

3) Missouri Research C	R UNDER CONTROL OF	RESEARCH FACILITY	(Aftach whichbonal sheets if no	CUSSETY OF USE APHIS FORM 7077A.	
Animals Covered By The Animal Wellare Regulations	B. Number of animals bring bred, conditioned, or held for use in featuring, festing, experiments, roscarch, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, feaching, research, surgary, or tosts were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgasic, or transpullizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accumpanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, respect, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	TOTAL NO. OF ANIMAL: (Cols. C + D + E)
4. Dags		668	30	90	788
5. Cais		162			162
		256	36		292
6. Guinea Pigs		5351		2294	7645
7. Hamsters  8. Rabbits			367		367
9. Non-human Primates					-
10. Sheep					
11. Pigs					
12. Other Farm Animals					
Goats		1	17		18
13. Other Animals			ļ		72
Raccoons		72			
Ferrets		39		86	125

## ASSURANCE STATEMENTS

- 1) Prolessionally acceptable standards governing the care, treatment, and use of unimals, including approxise in a physician logarity and tranquilizing drugs, prior to, during, and following actual research, reaching, testing, surgery, or experimentation were followed by this insearch facility.
- 2) Each principal investigator has emisidated alternatives to paintif procedures

  1) This facility is adhering to the standards and regulations under the Act, and it has regulated that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Uso Committee (IACUC). A summary of all such exceptions is attached to this annual report, in addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of integrate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Proportion Officer on Longilly Responsible Institutional Official)

Ligerity that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

S FORM 18-23 (OCT 88), which is obsold

### Attachment A for APHIS form 7023

#### 1.0 Column E, Line 4, Animal - Dogs

- 1.1 Forty dogs were used in studies for development of a preventative vaccine for a dog disease endemic in the United States. The development studies for this vaccine require challenge of dogs with this virulent agent in order to evaluate the vaccines efficacy and potency. This testing is required by the USDA for licensing of this product as stated in 9 CFR 113.209. Thirty-five dogs experienced neurological symptoms and/or death. Anesthetics, analgesics, and tranquilizing drugs are not appropriate treatment for this agent and would interfere with the evaluation of this vaccine.
- 1.2 Seventy-two dogs were used in studies for development of a preventative vaccine for a dog disease endemic in the United States. The development studies for this vaccine require challenge of dogs with this virulent agent in order to evaluate the vaccines efficacy and potency. This testing is required by the USDA for licensing of this product as stated in 9 CFR 113.317. Fifty-five dogs experienced neurological symptoms and/or death. Anesthetics, analgesics, and tranquilizing drugs are not appropriate treatment for this agent and would interfere with the evaluation of this vaccine.

## 2.0 Column E, Line 7, Animal - Hamsters

2.1 Seven thousand six hundred forty-five hamsters were used in testing bacterin prior to release for sale as required by 9 CFR 113.101 – 113.105. This testing requires challenging hamsters with the virulent agent in order to evaluate bacterin efficacy and potency. Two thousand two hundred ninety-four hamsters experienced weight loss, debilitation and/or death. Anesthetics, analgesics and tranquilizing drugs are not appropriate treatment for this agent and would interfere with the evaluation of this bacterin.

### 3.0 Column E, Line 13B, Animal - Ferrets

3.1 One hundred twenty-five ferrets were used in studies for development of a preventative vaccine for a ferret disease endemic in the United States. The development studies for this vaccine require challenge of ferrets with this virulent agent in order to evaluate the vaccines efficacy and potency. This testing is required by the USDA for licensing of this product as stated in 9 CFR 113.306. 86 ferrets experienced neurological symptoms and/or death. Anesthetics, analgesics, and tranquilizing drugs are not appropriate treatment for this agent and would interfere with the evaluation of this vaccine.

NOV 9 2 1999

[ V.

See Attached

art according to the regulations can enalties as provided for in Section 2150.

re side for See re information addit

Interagency Report Conty 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. SPR 000

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) University of Miami

P.O. Box 016960 P.O. Box 5625

Miami, FL 33101 Status: Active

DEC n 1 1999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, lessing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompunying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	11		47		47
5. Cats			16		16
6. Guinea Pigs		9	126		135
7. Hamsters					
8. Rabbits	22	39	528	44	611
Non-human Primates	485		75		75
10. Sheep	<u> </u>				
11. Pigs	11		464		464
12. Other Farm Animals					<del> </del>
Goats			75		75
13. Other Animals					-
Fish			528		528
Wild rodents		120	100		220
Wild birds		262	308		570

#### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, lesting, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

#### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED





UNITED STATES DEPARTMENT OF AL ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 58-R-0007 2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

FORM APPROVED OMB NO. 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Code) University of Miami P.O. Box 016960

P.O. Box 5625 Miami, FL 33101 Active

DEC n 1 1999

Status:

Animals Covered By The Animal Wellare Regulations Leaching experiing researe	er of C Number of animals upon which teaching which teaching research, experiments, inch, or involving nor pain, distress use of pain-	n which e ing. teachin surgery or conduc accomp distrest and for anesth	experiments.  ng, research, y, or tests were cted involving upanying pain or ss to the animals or which appropriate	1 1	experiments, research, and some paying pain or distress conducted involving accumpanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or heavy research.	TOTAL NO. OF ANIMALS
A Animals Covered By The Animal bred, condition welfare Regulations experii researe surger yet use	er of C Number of animals upon which teaching which teaching research, experiments, inch, or involving nor pain, distress use of pain-	n which e ing. teachin surgery or conduc accomp distrest and for anesth	experiments.  ng, research, y, or tests were cted involving upanying pain or ss to the animals or which appropriate	1 1	experiments, research, and some paying pain or distress conducted involving accumpanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or heavy research.	
(USI by species)		igs. Iranqui	hetic, analgesic, or uilizing drugs were	1 4	interpretation of the teaching. experiments, surgery, or lusts. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be ettached to this report).	(Cols. C + D + E)
	ntinue					12
13. Other Million	nernae	!	12	]_		
Wild amphibians	270	-		T		270
Wild reptiles				+		
				+		
				+-	·	
				+-		
				4		
				$\perp$		
				T		
				1		
				十		
				+		
				+		
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				_		-
				$\perp$		
				1		
				$\dashv$		

#### ASSURANCE STATEMENTS

- 3) Professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of anesthetic, analysis, and tranquilizing drugs, prior to, during, and following actual research, leaching, lesting, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered atternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the this facility is agnering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of unimal care and use

## CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

1.	Registration Number: <u>58-R-0007</u>					
2.	Number of animals used in this study. 40					
3.	Species (common name) Watanabe Rabbits of animals used in this study.					
4.	Explain the procedure producing pain and/or distress.					
dise wee	effect of stress on the development of atherosclerosis in a model prone to this ase is being studied. Male rabbits are placed together in the same cage for up to a k to evoke a stressful situation as a result of threat posturing and other aggressive aviors.					
5.	Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see question 6 below)					
exp	Stress is the trigger which induces physiologic changes in the animal that is ected to alter the disease process. Relief of stress in this instance would atively influence the outcome of the study.					
	What, if any, federal regulations require this procedure? Cite the agency, Code of Federal Regulations (CFR) title number and the specific section nber (e.g., APHIS, 9 CFR 113.102): none.					
Age	ency CFR					

This form is intended as an aid to completing the Column E explanation. It is not an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists. 1. Registration Number: <u>58-R-0007</u> Number of animals used in this study. 4 2. Species (common name) Rabbits of animals used in this study. 3. Explain the procedure producing pain and/or distress. 4. The PI is studying the mechanism by which sound damages the hair cells in the cochlea of the ear. The Rabbit is an established model for this type of work. Animals are exposed to 105-db noise for 4 hr periods/day for several days. The noise is about the same as being near a "lawn mower" and produces irreparable damage to hair cells. Provide scientific justification why pain and/or distress could not be relieved. 5. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see question 6 below) Animals are not given sedatives or analgesics as it is thought that these agents will interfere and/or protect the cells from acoustic injury. PI states that animals exposed to such noise show no outward signs of distress during the exposure period. What, if any, federal regulations require this procedure? Cite the agency, 6. the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102): None.

Agency\_\_\_\_\_\_ CFR \_\_\_\_\_

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NOOS

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

842

include Zip Code) Worth Carolina State University Vice Chancellor for Research Box 7003

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

Raleigh, NC 27695-7003

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

REPORT OF ANIMALS USED BY				cessary or use APHIS FORM 7023A.)  E. Number of animals upon which teaching.	T _
A. Animals Covered By The Animal Wellare Regulations	B Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, assettings of the series of the surgery of tests. Me available of	TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	10	19	99	2	120
5. Cats	1	2	109	O O	111
6. Guinea Pigs		38	0	0	38
7. Hamsters					0
8. Rabbits	7	41	6	99	146
9. Non-human Primates					0
10. Sheep		42	0	0	42
11. Pigs		532	598	179	1309
12. Other Farm Animals					
Horses	26	41	71	0	112
13. Other Animals					
Goats	·	20	28	0	48
Cattle		72	36	20	128
Llamas	2				0

#### ASSURANCE STATEMENTS

See Attached

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licentify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR JUST

(b)(6) (b)(7)(c NAME & TITLE OF C



DATE SIGNED

11/30/99

See reverse side for additional information

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

include Zip Code) CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

North Carolina State University Vice Chancellor for Research

Box 7003

55-R-0005

Raleigh, NC 27695-7003

Status: Active

ORT OF ANIMALS USED BY OF	R UNDER CONTROL OF	RESEARCH FACILITY	(Attach adictitional sheets if nec	E. Number of animals upon which teaching.	F
Animals Covered By The Animal Wettare Regulations  12 &/OR 13 Other (List by species)	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analyesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMA (Cols. C D + E)
Pine Voles	335	58	0	0	58
Ground Squirrels		25	22	0	47
Deer Mice		18	0	0	18
Ferrets		0	12	0	12
Woodchucks		37	6	0	43
					<u> </u>
		<b> </b>			
					1
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#### ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of aniesthetic, analgesic, and tranquilizing drugs, prior to, during and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition, to destribute the IACUC programmer and approved by IACUC programmer including the IACUC. principal investigator and approved by the distributional collections of the exceptions, as well as the spicies and number of animals affected addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the spicies and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of unimal care and use

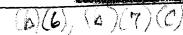
CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Evertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

APHIS FORM 7023A (AUG 91)



PART I HEADQUARTERS

DEC - 1 1599

#### **Facility Site Listing**

- 1. College of Veterinary Medicine (CVM) Raleigh, NC
- 2. CVM- Pylon Drive II Facilities Raleigh, NC
- 3. CVM- Veterinary Equine Research Center (VERC) Southern Pines, NC
- 4. College of Agriculture and Life Sciences (CALS)
  Biomedical Resources Facility
  Raleigh, NC
- 5. CALS- Trinity Rd Swine Educational Unit (aka Unit 1) Raleigh, NC
- 6. CALS- Reproductive Physiology Lab Raleigh, NC
- 7. CALS-Grinnells Laboratory Raleigh, NC
- 8. CALS-Autosow II (aka Unit V) Raleigh, NC
- 9. CALS- Lake Wheeler Rd Field Lab, Swine Unit (aka Unit II) Raleigh, NC
- 10. CALS- Mountain Research Station Fletcher, NC
- 11. CALS- Lake Wheeler Rd., Field Lab., Sheep Unit (aka Unit II) Raleigh, NC

## Summary of exception to the regulation or standards:

None

55R0005

1.	Registration N	umber: 55-R-0	0005	
2.	Number	99		of animals used in this study
3.	Species (comn	non name)	Rabbit	of animals used in this study
4.	Explain the pro	ocedure produc	ing pain and	d/or distress.
inje lim nee age mo bas tem atm his	ected with a test abus, an area controlled attached to ent may be instantioned for evidual hamination (up to nosphere, eyest tologic/molecular	t reagent (LPS) ontaining very for a glass Hamilitilled or intravilence of inflamily peremia and a 48 hours). As removed, of lar analyses.	tong in 10 few nerve enter syringe. Fitreally injection at valueous flaming are ocular fluid	hesia, one eye of rabbits is intravitreally 0-50 µl) approximately 3 mm posterior to the ndings. Injections are made with a 30-guage. In some cases, at the time an experimental ected (total volume of 50µl). Animals are various time intervals with a slit lamp (scores are) to determine the appropriate time for terminated by exposure to a saturated CO <sub>2</sub> ds aspirated, and tissues processed for
5.	methods or me	eans used to de	etermine tha	and/or distress could not be relieved. State at pain and/or distress relief would interfere ditesting, see question 6 below)
The corrange and stu (10 mg)	e use of addition introls. Investigal eligesics in their ind nonsteroidal of dy the inflamm ong) is low co	onal animals to ators in the lite r studies. The drugs would ne natory response ompared to mo	evaluate the rature utilizing use of anti- gate our sturn in the eye. est reports i	course of inflammation that we are studying. ese substances would need to be included as sing this same animal model do not use opiod inflammatory drugs such as corticosteriods adies, since the purpose of our research is to. Also, the dose of endotoxin that we inject in the literature (10-100mg), and induces a simals continue to eat and do not become
6.	What, if any, of Federal Re APHIS, 9 CFF	gulations (CFI	ions require R) title num	e this procedure? Cite the agency, the Code of the specific section number (e.g.,
	Agency	_N/A		CFRN/A

					•			
1.	Registration ?	Number: 55-R-0	0005					
2.	Number	4		of animals u	used in this study			
3.	Species (com	mon name)	Pigs	of anim	als used in this study			
4.	Explain the p	rocedure produc	ing pain and/	or distress.				
cho	pigs were experimentally infected with either <u>Salmonella typhi</u> or <u>Salmonella choleraesuis</u> . Those infected with <u>S. choleraesuis</u> (3) developed signs of salmonellosis. Those infected with <u>S. typhi</u> showed no signs of distress.							
	methods or r with test resu	neans used to do alts (For Federal	etermine that ly mandated	pain and/or detesting, see que		fere		
noi alle ana fev	Experimental infections were employed to better understand a disease process in a normal animal. This included signs of infection and disease. Consequently we could not alleviate pain or distress without jeopardizing understanding. Also, the action of some analgesics would alter the normal course of the actual infection. By examining relatively few animals for signs of infection, we were able to draw very confident conclusions as to the sustability of pigs for modeling disease caused by <u>S. typhi</u> .							
6.	What, if any of Federal R APHIS, 9 CF	Regulations (CFI	ions require R) title numl	this procedure per and the sp	? Cite the agency, the Coecific section number (	Code e.g.,		
	Agency	N/A		CFR	N/A			

1.	Registration Nun	nber: 55-R-00	05					
2.	Number	79		of animals used	n this study			
3.	Species (commor	n name)Pi	gs	_of animals used	in this study			
4.	Explain the proce	edure producin	g pain and/or	distress.				
Re vir spr	Piglets were infected <u>in utero</u> with the common viral swine pathogen: Porcine Reproductive Respiratory Syndrome Virus. These piglets were all born infected with the virus as confirmed by virus isolation upon their serum. Their dams were infected by spraying a virus solution into their noses, the piglets were naturally infected during their mother's viremia.							
5.		ns used to dete	ermine that pa	in and/or distress	not be relieved. State s relief would interfere 6 below)			
pig dir pro hor	glets immune cell rectly alter poten ostaglandin mecha	populations ar tially importa misms, etc. A zed. They we	nd their functi nt immune i Any piglets w	on. Administrations on the control of the control o	nfection by PRRSV on on of analgesics would study pigs via anti- ed for greater than 12 ally needed to combat			
6.	What, if any, Fedoral Regu APHIS, 9 CFR 1	lations (CFR)	ns require thi title number	s procedure? Cit and the specific	e the agency, the Code section number (e.g.,			
	Agency	N/A		CFR	N/A			

55 R 0005

1.	Registration Number: 55-R-0005
2.	Number96of animals used in this study
3.	Species (common name)Pigsof animals used in this study
4.	Explain the procedure producing pain and/or distress.
Pi	gs were infected at 6 days of age with 10 <sup>7</sup> rotavirus particles by oral gavage.
5.	Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results (For Federally mandated testing, see question 6 below)
tre tre wi	duced infective diarrhea will cause distress to infected piglets; the main objective of this study is to eat, eliminate or alleviate diarrheal stress. We do not use analgesia because this is not typical eatment for neonatal diarrhea which we are attempting to mimic, and we do not wish to risk interfering ith gut motility and enterocyte metabolism which can occur with certain drugs. Hopefully, the oral hydration solution and other nutritional agents will reduce the length of the stress period. In arthermore, our viral dose has been titrated to a level resulting in minimal mortality.
6.	What, if any, Federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):
	AgencyN/ACFRN/A

1.	Registration Number: 55-R-0005
2.	Number of animals used in this study
3.	Species (common name)Dogsof animals used in this study
4.	Explain the procedure producing pain and/or distress.
Inf	ection with Babesia canis and Babesia gibsoni
5.	Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results (For Federally mandated testing, see question 6 below)
	imals used to provide infected blood for preparation of antigens used to diagnose ection in other dogs. Dogs were euthanized prior to developing severe clinical signs.
6.	What, if any, Federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):
	AgencyN/ACFRN/A

55R0005

1.	Registration 1	Number: 55-R-	-0005			
2.	Number	20		of animals	used in this stu	dy
3.	Species (com	mon name)	_Bovine -ne	onatal calves	of animals used	in this study
4.	Explain the pr	rocedure produ	cing pain and	d/or distress.		
orc	ler to produce	are orally inoc a mild diarrhe done by this o	ea to study :	10 oocysts of specific treatme	Cryptosporidiuents to enhance	m parvum in repair of the
5.	methods or n	neans used to o	determine the		could not be re listress relief we estion 6 below)	
a i tre sho	major cause o atments in recould be given t scure the purp	f mortality in lucing diarrhea to the animal to	young calve and the da alleviate pa dy by alterin	es. In order to mage to ileal in, which if pre	natal bovine wor be evaluate the a tissue, no thera sent, is minimal tate significantly	affects of our peutic agents. This would
6.	What, if any, of Federal R APHIS, 9 CF	egulations (CF	ations require	e this procedure nber and the s	e? Cite the agen pecific section	ncy, the Code number (e.g.,
	Agency	N/A		CFR	N/A	

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 34 16 R 0034

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

include Zip Code)
Bristol-Myers Squibb Company
5 Research Parkway
P.O. Box 368
Wallingford, CT 06492-7660

Status: Active

5

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adictional sheets if necessary or use APHIS FORM 7023A) Number of animals upon which teaching, Number of Number of Number of animals upon experiments, research, surgery or lests were animals being animals upon which experiments, conducted involving accompanying pain or distress which leaching, teaching, research, bred. **Animals Covered** to the animals and for which the use of appropriate TOTAL NO. conditioned, or research. surgery, or tests were anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or By The Animal OF ANIMALS held for use in experiments, or conducted involving Welfare Regulations teaching, testing, lesis were accompanying pain or interpretation of the leaching, research experiments, conducted distress to the animals experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these (Cols. C + D + E) research, or involving no and for which appropriate surgery but not yet used for such pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used use of paintranquilizing drugs were must be attached to this report). relieving drugs. purposes. used 0 46 28 18 6 Dogs 0 0 Ô 0 0 Cats 164 50 0 114 0 Guinea Pigs 18 0 18 0 0 Hamsters 0 239 99 140 37 Rabbits 0 20 6 14 Non-human Primates n 0 0 0 0 0 10. Sheep 0 0 0 0 0 11. Pigs 0 0 0 0 12. Other Farm Animals 13. Other Animais 0 22 0 n 394 0 387 0 Gerbils 0 15 15 0 0 Woodchucks 0 892 70 46 Cotton Rats

ASSURANCE STATEMENTS

1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility

2) Each principal investigator has considered atternatives to painful procedures.

(AUG 91)

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of appropriate authority to ensure the provision of adequate veterinary care and the provision of adequate veterinary care

SIGNATURE OF C.E.O

RETIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL.
(Chief Executive Officer or Legally Responsible Institutional Official)

1 certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

APHIS FORM 70

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(D)(C)

(D)(7)(C)

(ACC

Bristol-Myers Squibb Company
5 Research Parkway
Wallingford, CT 06492
USDA Registration Number: 16-R-0034

Fifty guinea pigs were used in studies to evaluate the effectiveness of potential antibacterial agents against an experimental lung infection caused by <u>Legionella pneumophila</u>. Guinea pigs are susceptible to lung infection with <u>L. pneumophila</u> and have been used for evaluation of antibacterial agents as well as for epidemiological studies on <u>L. pneumophila</u>. The experimental infection in guinea pigs closely resembles the infection seen in humans and is reproducible. Analgesics could not be administered since they possess properties, which would hinder the natural infection and inflammatory processes necessary to thoroughly evaluate the novel antibacterial agents. Animals that exhibited difficulty in breathing, weight loss, anorexia, and/or an unthrifty appearance were euthanatized immediately.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 1. REGISTRAJION NO. 14 34 ROO14

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

Wayne State University

540 East Canfield P.O. Box 2043

Detroit, MI 48201 Status: Active NOV 29 1999

120

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

See Attached

Animals Covered By The Animal Wellare Regulations	B Number of animals being bred, conditioned, or held for use in feaching, festing, experiments, research, or surgery but not yet used for such purposes	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs	D Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or lests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F. TOTAL NO OF ANIMALS  (COIS. C + D + E)
4. Dogs	5	0 .	144	0	144
5. Cats	0	15	26	0	41
6. Guinea Pigs	4	14	223	51	288
7. Hamsters	10	_15	321	0	336
Rabbils	4	5	128	0	133
9. Non-human Primates	0	0	10	0	10
10. Sheep	0	0	15	0	15
11. Pigs	3	1	207	0	208
12. Other Farm Animals					
Cows	1	0	10	0	10
13. Other Animals					
Gerbils	6	0	36	0	36
Ferrets	0	0	6	0	6 '

#### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- This lacility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Annual Cure and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of annuals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Trientify that the above is true, correct, and complete (7 U.S.C. Section 2143)

GNATURE

(b)(G) (b)(7/(C) NAME & TITLE OF C E.O. OR INSTITUTIONAL OFFICIAL (74) or Penny (b) (6)

(b)(6)

DATE SIGNED

APHIS PORM 7023 (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolute )

PART 1 - HEADQUARTERS

NOV 2 9 1999

### Wayne State University 34-R-0014

Gordon H. Scott Hall 540 E. Canfield Detroit, MI 48201

Shapero Hall 1400 Chrysler Freeway Detroit, MI 48201

Institute of Chemical Toxicology 2727 Second Avenue Detroit, MI 48201

C.S. Mott Center 275 E. Hancock Detroit, MI 48201

Biological Science Building 5047 Gullen Mall Detroit, MI 48201 Lande Medical Research Building 550 E. Canfield Detroit, MI 48201

Kresge Eye Institute 4717 St. Antoine Blvd. Detroit, MI 48201

Vaitkevicius Magnetic Imaging 3990 John R Street Detroit, MI 48201

Elliman Clinical Research Building 421 E. Canfield Detroit, MI 48201

Life Science Building 5000 Gullen Mall Detroit, MI 48201

John Dingell Veteran's Administration Medical Center 4646 John R Street Detroit, MI 48201

Barbara Ann Karmanos Cancer Institute 110 East Warren Avenue Detroit, MI 48201

NOV 2 9 1999

Attachment

Wayne State University, Registration No. 34-R-0014

Fifty One Guinea Pigs Reported Under Reporting Code E:

Guinea pigs are utilized to evaluate the efficacy and toxicity of new investigational antifungal agents for the treatment of pulmonary aspergillosis. The advent of sophisticated life saving medical procedures, such as organ transplantation, intensive cytotoxic chemotherapy against cancer, and the prevalence of HIV infection in recent years have dramatically altered the immune status of the patient population during the past ten years. Consequently, the incidence of Aspergillus infection has increased significantly among cancer patients, organ transplant recipients and AIDS patients. Although fungal infection due to A. fumigatus has emerged as a serious clinical problem in immunocompromised patients, the choice of antifungal agents highly effective against A. fumigatus is unfortunately very limited. In this guinea pig model, a variety of novel antifungal agents are evaluated in the treatment of pulmonary aspergillosis. Clinical symptoms of this infection are treated with antifungal agents (except in control animals) and both dietary and fluid supplementation. Animals which do not respond to treatment (and control animals) are euthanized at the onset of anorexia, fever, dyspnea, or body weight loss greater than 20%.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.89 31R 0089

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
WIL Research Laboratories, Inc.

NA

1407 George Road

- <del>085 Grosvenor Hall</del> Ashland, OH 44805-9281

Status: Active

253

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM 7023A.) Number of animals upon which teaching, Number of D. Number of animals upon experiments, research, surgery or tests were animals being animals upon which experiments, conducted involving accompanying pain or distress which leaching. bred. **Animals Covered** teaching, research, to the animals and for which the use of appropriate conditioned. or TOTAL NO research, By The Animal surgery, or tests were anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS experiments, or held for use in Welfare Regulations conducted involving have adversely affected the procedures, results, or interpretation of the teaching, research, teaching, testing, tests were accompanying pain or experiments, conducted distress to the animals (Cols. C + D + E) experiments, surgery, or tests. (An explanation of research, or involving no pain, distress, or and for which appropriate the procedures producing pain or distress in these surgery but not anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such tranquilizing drugs were must be attached to this report). purposes. relieving drugs. used 875 57 1 933 22 Dogs NA NA NA NA NΑ Cats 2516 NA NA NA 2516 Guinea Pigs NA NA NA NA NA Hamsters 7. 9 3401 3315 77 451 8. Rabbits 45 NA 45 NA NA Non-human Primates NA NA NΑ NA Sheep NA NA NA NA NA NA 11. Pigs NA NA NA NΑ NA 12. Other Farm Animals

#### ASSURANCE STATEMENTS

13. Other Animals

1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

NA

2). Each principal investigator has considered alternatives to painful procedures.

NA

- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL.

(Chief Executive Officer or Legally Responsible Institutional Official)

1 certify that the above is true, correct, and complete (7 USC Section 2143)

SIGN

INSTITUTIONAL OFFICIAL

(b)(c)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL Gype or Print)

(b)(c)

(c)

(d)

(d)

(d)

(e)

(e)

(f)(c)

APHIS 7023 (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolete )

NA

NA

#### **USDA ANNUAL REPORT-**

REPORTING PERIOD: OCTOBER 1, 1998 THRU SEPTEMBER 30, 1999

**FACILITY REGISTRATION NUMBER: 31-R-0089** 

Category E.- Dogs/Rabbits:

Pain and/or distress for which no anesthetic, analgesic or tranquilizing drug(s) were used:

The use of analgesics or nonsteroidal anti-inflammatory agents are neither scientifically acceptable nor is their use acceptable to the governing agencies involved.

One of 22 dogs on a dose range-finding study is believed to have experienced pain and/or distress. The purpose of the study was to evaluate the lethality and short term toxicity of the test articles and to establish dosages on a longer-term subchronic study. The study was conducted in compliance with the U.S. FDA (Food and Drug Administration) Good Laboratory Practice Regulations, 21 CFR Part 58. The clinical observations for this dog were intermittent and continual monitoring was therefore necessary.

One of 72 rabbits in a dose range-finding developmental toxicity study is believed to have experienced distress. The purpose of the study was to determine dose levels for a definitive developmental toxicity study. The study was conducted in accordance with the U.S. EPA Good Laboratory Practice Regulations, 40 CFR Parts 160 and 792. The onset of this animal's clinical signs was very sudden.

Two of 110 rabbits in a prenatal developmental toxicity study are believed to have experienced pain and/or distress. The purpose of the study was to was to determine the potential of the test article to induce development toxicity after maternal exposure during the critical period of organogenesis, to characterize maternal toxicity at the exposure levels tested and to determine a NOEL for maternal toxicity and development toxicity. The study was conducted in accordance with the United States Environmental Protection Agency (EPA) Health Effects Test Guidelines OPPTS 870.3700, Prenatal Developmental Toxicity Study, August 1998. The clinical observations of these two animals were intermittent and continued observation was necessary to elucidate a potential pattern of symptoms.

One of 108 rabbits in a study on embryo/fetal development is believed to have experienced pain and/or distress. The purpose of the study was to was to determine the potential of the test article to induce development toxicity after maternal exposure during the critical period of organogenesis, to characterize maternal toxicity at the exposure levels tested and to determine a NOEL for maternal toxicity and development toxicity. The study was conducted in accordance with the International Conference on Harmonization (ICH) Tripartite Guideline on Detection of Toxicity to Reproduction for Medicinal Products, Federal Register, September 22, 1999, Section 4.1.3. The study was also conducted in accordance with the U.S. FDA Good Laboratory Practice Standards (21 CFR Part 58). The onset of the clinical observations was sudden.

Two of 45 rabbits in a dose range-finding developmental study were believed to have experienced pain and/or distress. The onset of this animals' clinical signs was very sudden and timely intervention could not be accomplished. The purpose of the study was to determine dose levels for a definitive developmental toxicity study. The study was conducted in accordance with the U.S. EPA Good Laboratory Practice Regulations, 40 CFR Parts 160 and 792.

#### **USDA ANNUAL REPORT-**

REPORTING PERIOD: OCTOBER 1, 1998 THRU SEPTEMBER 30, 1999

**FACILITY REGISTRATION NUMBER: 31-R-0089** 

Category E.- Dogs/Rabbits (continued):

Pain and/or distress for which no anesthetic, analgesic or tranquilizing drug(s) were used:

Two of 44 rabbits in a tolerability and toxicokinetic study were believed to have experienced pain and/or distress. The purpose of the study was to assess the toxicity following repeated dosing in order to determine dose levels for a dose range-finding embryo/fetal development study. The study was conducted in accordance with the U.S. EPA Good Laboratory Practice Regulations, 40 CFR Parts 160 and 792.

One of 170 rabbits in a prenatal developmental toxicity study was believed to have experienced pain and/or distress. The purpose of the study was to was to determine the potential of the test article to induce development toxicity after maternal exposure during the critical period of organogenesis, to characterize maternal toxicity at the exposure levels tested and to determine a NOEL for maternal toxicity and development toxicity. The study was conducted in accordance with The EPA Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) Pesticide Assessment Guidelines (Subdivision F; series 83-3), the EPA Toxic Substances Control Act (TSCA) Health Effects Test Guidelines, 40 CFR 798.4900, the OECD (Organization for Economic Cooperation and Development) Guidelines for Testing of Chemicals, Health Effects Test Guidelines, Section 414, adopted May 12, 1981, the EPA Health Effects Test Guidelines OPPTS 870.3700, Prenatal Developmental Toxicity Study, August 1998, and the Japanese Agricultural Chemicals Laws and Regulations Testing Guidelines for Toxicology Studies (59 NohSan No. 4200) published by the Society of Agricultural Chemical Industry, issued January 28, 1985, under the auspices of MAFF (Ministry of Agriculture, Forestry and Fisheries). The study was also conducted in compliance with the U.S. EPA, 40 CFR Part 160, the OECD, [C(97) 186/Final], and the Japanese MAFF Good Laboratory Practice Regulations, 59 NohSan No. 3850, August 10, 1984.

#### REPORTABLE EXCEPTIONS TO ANIMAL WELFARE ACT-

The Attending Veterinarian exempted one male dog on a subchronic toxicity study for one day's exercise period (10/28/98) due to its favoring of the right hindlimb. The Veterinarian rechecked the animal after this exempted day and from then on was returned to the normal exercise and socialization regimen for this study.

The 38 dogs on a chronic toxicity study were exempted from exercise and socialization during the week of December 14, 1998 due the collection of clinical pathology and ECG parameters on December 14, 1998 and subsequent study termination on December 15 & December 16, 1998.

One male dog on a subchronic toxicity study was exempted, by the Attending Veterinarian, from group exercise and socialization for one week due to left rear limb lameness. This dog was afforded individual exercise periods for 15 minutes to one ½ hour on the regular exercise schedule. This dog was rechecked by the Attending Veterinarian and cleared for group exercise and socialization on December 29, 1999.

On January 3, 1999 the animals (48/28/44) on three studies (2 chronic and 1 subchronic studies) for the same client were exempted from exercise and socialization period due to inclement weather which caused a shortage of personnel to perform these duties. It was opted that due to the personnel shortage it was important to provide the animal care

#### **USDA ANNUAL REPORT-**

31R0089

REPORTING PERIOD: OCTOBER 1, 1998 THRU SEPTEMBER 30, 1999

**FACILITY REGISTRATION NUMBER: 31-R-0089** 

REPORTABLE EXCEPTIONS TO ANIMAL WELFARE ACT (continued)(feeding, cage cleaning, etc.). These three studies were on the same exercise and
socialization regimen for a period of approximately 30 minutes seven days per week.

The Attending Veterinarian exempted one male dog on a subchronic toxicity study from exercise on March 4, 1999 due to an ocular discharge. The animal, upon re-examination by the Veterinarian after March 4, 1999, was allowed to return to the normal exercise/socialization regimen for this study.

The Attending Veterinarian exempted one male dog on a chronic toxicity study for one day's exercise period (2/7/99) due to a swollen right hind paw. The Veterinarian rechecked the animal after this exempted day and was then returned to the normal exercise and socialization regiment for this study.

The 36 dogs on a one-week reproductive toxicology study were exempted from exercise/socialization for three days after blood collection after pre-study blood parameters were collected. The purpose of this study was to investigate the reproductive system toxicology when given to mature beagle dogs for up to one week. The study was conducted in compliance with the U.S. FDA Good Laboratory Practice Standards, 21 CFR Part 58, with the exception of the hormone analyses and the histological processing of the hypothalami and pituitary glands.

Eight male and eight female beagle dogs were used in a FDA-regulated 14-Day Inhalation Range-Finding Study. The purpose of the study was to evaluate the possible toxic effects of the test article when administered via nose-only inhalation to dogs for 14 days and to provide information to guide dose selection for a 90-day study. The dogs were given regular opportunity for exercise/socialization during the 20-day acclimation/pretreatment period. The animals were exempted from exercise during the 14-day exposure period due to the nature of the test article, which is known to cause large increases in heart rate. The exemptions were approved to minimize the excess risk and distress to the animals. The animals were given a great deal of human attention every day to reduce the potential for stress.

## ANIMAL WELFARE ACT COMPLIANCE STATEMENT (This statement is included in all animal study protocols)

This study will comply with all applicable sections of the Final Rules of the Animal Welfare Act regulations (9CFR). The Sponsor should make particular note of the following:

- 1. The Sponsor signature on this protocol documents for the Study Director the Sponsor's assurance that the study described in this protocol does not unnecessarily duplicate previous experiments.
- 2. Whenever possible, procedures used in this study have been designed to avoid or minimize discomfort, distress or pain to animals. All methods are described in this study protocol or in written laboratory Standard Operating Procedures.

#### **USDA ANNUAL REPORT-**

REPORTING PERIOD: OCTOBER 1, 1998 THRU SEPTEMBER 30, 1999

FACILITY REGISTRATION NUMBER: 31-R-0089

## **ANIMAL WELFARE ACT COMPLIANCE STATEMENT- (continued)**

- 3. Animals that experience severe or chronic pain or distress that cannot be relieved will be painlessly euthanized as deemed appropriate by the veterinary staff and Study Director. The Sponsor will be advised by the Study Director of all circumstances which could lead to this action in as timely manner as possible.
- 4. Methods of euthanasia used during this study are in conformance with the above-referenced regulation.

0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRA BON-10029 16R000

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code) Boehringer Ingelheim Pharmaceutica

900 Ridgebury Road P.O. Box 368

Ridgefield, CT 06877-0368

Status: Active

NOV 29 1999

;

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles) See Attached

175 Briar Ridge Road, Ridgefield, CT. 06877

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	26	100	11	67	178
5. Cats	0				0
6. Guinea Pigs	23	200	0	491	691
7. Hamsters	0				0
8. Rabbits	10		3	38	41
9. Non-human Primates	26		26	231	237
10. Sheep	0				0
11. Pigs	0				<u> </u>
12. Other Farm Animals	0	·			0
13. Other Animals					
a. Rats	863	0	735	3767	4502
b. Mice	5955	1916	3503	22,270	27,689

#### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of anunal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OB INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print) W(6), (b)(7)(c) DATE SIGNED

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete

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NOV 2 9 1999

## Optional Column E Explanation Form

	·
•	
. Registration Number:1	6-R-0029
. Number See attached	of animals used in this study.
. Species (common name) Att	of animals used in this study.
. Explain the procedure prod	ucing pain and/or distress.
See attached	
elieved. State methods or me	ion why pain and/or distress could not be ans used to determine that pain and/or distres results. (For Federally mandated testing, see
See attached .	
What if any federal regular	
the Code of Federal Regulation number (e.g., APHIS, 9 CFR	tions require this procedure? Cite the agency ons (CFR) title number and the specific section 113.102):

The 67 dogs assigned to column E of this report were included in toxicology or safety assessment procedures in which, to meet Food and Drug Administration requirements under Good Laboratory Practice regulations (21 CFR 58.120, 43 CFR 60013) a limited number of animals must be exposed to test compound dose levels toxic to the animal. Clinical signs produced by some test compounds at toxic dose levels may be distressful or painful to the animal, if only transiently. To intercede prematurely would invalidate the procedure, requiring its repetition and the consequent use of more animals.

. . . . . . . .

NOV 2.9 1999

**E6** 

1999 16R0029

The 491 guinea pigs assigned to column E of this report were included in toxicology or safety assessment procedures in which, to meet Food and Drug Administration requirements under Good Laboratory Practice regulations (21 CFR 58.120, 43 CFR 60013) positive control animals must be sensitized, then challenged by intradermal injection resulting in a transient inflammatory response, which may be distressful or painful to the animals albeit for a strictly limited period. To intercede prematurely would invalidate the procedure, requiring its repetition and the consequent use of more animals.

The 38 rabbits assigned to column E of this report were used for hyperimmunization procedures in which adjuvant associated with the antigen of interest produced localized discomfort typical of a subacute inflammatory reaction. The lesions were treated topically to minimize discomfort, and in all cases the least irritating adjuvant was employed that would not have necessitated the use of additional animals. The use of systemic anti-inflammatory drugs would have been counter productive to the objective of antibody production and necessitated the use of more animals.

**E9** 

16R0029

Primates assigned to column E of this report were used in various toxicology/safety assessment procedures, pharmacologic studies of the inflammatory response or evaluation of the immunomodulatory effects of test compounds.

153 primates (cynomolgus macaques and squirrel monkeys) were employed as models for immune mechanisms or of inflammation when other species (rodents, swine) proved inappropriate. The animals were studied during the early stages of the syndrome before clinical signs become severe. Discomfort is attenuated through the use of analgesic drugs but, because an inflammatory condition is induced and clinical signs may appear, it is anticipated that the monkeys may potentially experience the discomfort which human beings feel during the analogous condition.

78 primates (rhesus macaques) were included in toxicology or safety assessment procedures in which, to meet Food and Drug Administration requirements under Good Laboratory Practice regulations (21 CFR 58.120, 43 CFR 60013) a limited number of animals must be exposed to test compound at dose levels toxic to the animal. Clinical signs produced by some test compounds at toxic levels may be distressful or painful to the animal, if only transiently. To intercede prematurely would invalidate the procedure under the cited regulations, requiring repetition of the study and the consequent use of more animals.

E13

The 3767 rats assigned to column E of this report were included in toxicology/safety assessment procedures or evaluations of the immunologic effects of compounds.

1326 rats were included in toxicology or safety assessment procedures in which, to meet Food and Drug Administration requirements under Good Laboratory Practice regulations (21 CFR 58.120, 43 CFR 60013) a defined number of animals must be exposed to test compound at dose levels toxic to the animal. Clinical signs produced by some test compounds at toxic levels may be distressful or painful to the animal, if only transiently. To intercede prematurely would invalidate the procedure under the cited regulations, requiring repetition of the study and the consequent use of more animals.

2441 rats were used to evaluate the immunologic activity of the test compounds. Animals in test or positive control groups experience, associated with the immune response, inflammation that could be painful or uncomfortable yet cannot be relieved with drugs that could interfere with the phenomena being evaluated. Such discomfort was alleviated as soon as could be scientifically justified without invalidating the results of the procedure.

Mice assigned to Column E of this report were used in various toxicology/safety assessment procedures, pharmacologic studies of inflammatory response or evaluation of the immunologic effects of compounds.

1396 mice were included in toxicology or safety assessment procedures in which to meet Food and Drug Administration requirements under Good Laboratory Practice regulations (21 CFR 58.120, 43 CFR 60013) a defined number of animals must be exposed to test compound at dose levels toxic to the animal. Clinical signs produced by some test compounds at toxic levels may be distressful or painful to the animal, if only transiently. To intercede prematurely would invalidate the procedure under the cited regulations, requiring repetition of the study and the consequent use of more animals.

20,849 mice were used in experimental procedures designed to assess the various immunologic effects of test compounds. Animals in the test or positive control groups experience, associated with the various immune responses, manifestations of the inflammatory response which could be painful or uncomfortable yet could not be relieved with drugs that could interfere with the phenomena being evaluated. Such discomfort was alleviated as soon as could be scientifically justified without invalidating the results of the procedure.

25 mice were used for the production of immune proteins or inflammatory cells which are essential reagents of several <u>in vitro</u> tests, which are used to screen compounds for activity or to evaluate mechanisms and which replace live animals.

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See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE 'ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

FORM AP ÆD OMB NO. 0579-0036

51-F-0019 d 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)
Technical Director

U.S. Army Edgewood Chemical Biological Center Veterinary Services Team, Rsch & Tech Dir Bldg E3150, ATTN: (P)(P) Aberdeen Proving Ground, MD

21010-5424 (6)(7)(0) 3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

**FACILITY LOCATIONS (Sites)** 

Building E3150

£6,0

A.	AL ALEMAN IN A	B. Number of	C Number of		ecessary or use APHIS FORM 7023A)  E. Number of animals upon which teaching.	Ţ
	Animals Covered By The Animal Welfare Regulations (1977)	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were-used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	TOTAL NO OF ANIMAL (COIS. C D + E)
4. [	Dogs				·	
5. (	Cats					
6. (	Suinea Pigs					
7. H	lamsters					
8. F	labbits		151	34	71	256
9. N	Ion-human Primates					
10. 5	Sheep	3				
11. F	Pigs		,			
12. (	Other Farm Animals					
G	oats	6				
13. C	Other Animals					
R	ats		381	52	200	633
М	ice		45	6	26	77
F	errets		1	11		12

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFI	CIAL
(Chief Executive Officer or Legally Responsible Institutional Offici	al)
1	,

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

**DATE SIGNED** 

(6)(6)

/S FORM 18-23 (OCT 88), which is obsolete.)

PART 1 - HEADQUARTERS

DEC 0 2 1999

## PAIN NOT ALLEVIATED JUSTIFICATION (RAT, MOUSE, RABBIT)

Two hundred (200) rats were used to test a militarily unique compound via the inhalation route to establish relative importance of exposure concentration and duration on the probability of toxic and lethal responses. Historically, in studies designed to generate lethal dose-response curves, it has been assumed that approximately half of the exposed animals would be expected to die and that this level of response may potentially be associated with pain, discomfort, and/or distress. For this study, the use of anesthetic/analgesic drugs during exposure may compromise the results of the proposed studies due to the fact that this class of compound may alter the respiratory minute volume and thus the dose of test compound that the animal receives. In addition, the expression of toxic signs may be altered by such treatment. Clement and Coperman (1984) suggest that chemical agent-induced convulsion and death are not necessarily associated with pain. Clement and Coperman (1984) have reported that Soman and Sarin induce a long-lasting naloxone-reversible analgesia in mice, which was not due to physical incapacitation.

Twenty-six (26) mice and 71 rabbits were tested with a previously untested chemical of military interest. The material was tested intravenously in mice and both intravenously and dermally in rabbits. The animals either died or suffered convulsive seizures during the test. These severe toxic signs could not be alleviated so that accurate test data could be collected. The data collected were important for several reasons: 1) to establish the toxicological profile of the chemical; 2) establish data to be used for human estimates; 3) establish data from which therapy/prophylaxis could be established; and 4) data would be included in material safety data sheets as a warning to potential users or in support to chemical staff in case of accidental exposures.

## PAIN ALLEVIATED JUSTIFICATION (RAT, MOUSE, RABBIT, FERRET)

The U.S. Army Edgewood Chemical Biological Center conducts a quality control/quality assurance program to ensure that rodents are free of adventitious murine viruses. The animals (36 rats, 14 mice, and 8 rabbits) were used for the health-monitoring program. These animals were anesthetized prior to bleeding and necropsy. Eleven (11) ferrets were anesthetized; anesthesia was required because animals need to be immobilized for testing.

# FACILITY SITES LISTING 51F 0019

Licensee/Registrant Name: _	T(b)(6)4(b)(7)(c)
License/Registration Number:	51-F-0019
Be sure to include all requeste the line does not apply, please	at house animals under the above registration number. ed information. Do not leave any spaces blank. If e mark it N/A. If you have more than three (3) sites, times as needed before filling in the sites.
Site No.: 01 Name/Department:	
Address	(b)(4) (b)(6) L
Building Floor/Room	(b)(4) (b)(6) d (b)(7)(c)
Contact Person	
Site No.: Name/Department:	N/A
Address:	
Building:	
Floor/Room:	
Contact Person:	
•	N/A
•	
- Building: _	1
•	Phone No.:

See reverse with the Additional information Interspency Report Control No 0120-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

## FY '99 ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO. 51-F-016 SI FOOLG

FORM APPROVED OMB NO. 0549-0036

 HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include zip code)

NIH/NIAID

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)					

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments or tests were conducted involving no pain, distress or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which approprinte anesthetic, analgesic or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery or tests. (an explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report.)	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	301	18	30	349
7. Hamsters	3	1487	0	0	1487
8. Rabbits	0	150	0	0	150
9. Non-human Primates	298	319	0	0	319
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals			-	••	
Goat	0	1	0	0	1
Chickens	0	2080	0	0	2080
13. Other Animals					
Mice					120197
Rats			-	-	70
Gerbils	0	62	0	0	62

<sup>1)</sup> Profesionally acceptable standards governing the care, treatment and use of animals, including appropriate use of anesthetic and tranquilizing drugs prior to, during And following actual research, teaching, testing, surgery or experimentation were followed by this research facility.

	HEADQUARTERS RESEARCH FACILITY OFFICIAL				
(Chief Executive Officer or Legally Responsible Institutional Official)  I certify that the above is true, correct and complete (7 U.S.C. Section 2143)					
SIGNATURE OF C.E. O. CREESE TO THE CONTROL OF THE C	NAME AND TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or print)	DATE SIGNED			
	The control of the co				
		1112117			
APHIS FORM 7023 (Replaces VS FORM 18-23 (OCT 88) which	h is obsolete)				

(AUG 91) (b) (c), (b) (7) (c)

(b)(6), (b)(7)(c)

<sup>2)</sup> Each principal investigator has considered alternatives to painful procedures

<sup>3)</sup> This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regularions be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (ACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

<sup>4)</sup> The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequecy of other aspects of animal care and use.



51 F0016 NOV 2.9 1999

# **Optional Column E Explanation Form**

This form is intended as an aid to completing the Column E explanation. It is not an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists.

1. Registration Number: 51-F	-0016	
2. Number30		_ of animals used in this study.
3. Species (common name)	Guinea Pig	of animals used in this study.
4 Fynlain the procedure produ	cina pain and/or d	listrass

Herpes simplex virus 1 and 2 (HSV 1 and HSV 2) are pathogens of human oral or genital herpes. Infection of humans by HSV 1 and HSV 2 results in local virus replication at the inoculation site (eye, oral or genital); then it spreads through sensory nerves to the regional ganglia (trigeminal or dorsal root ganglia) where the virus establishes a latent infection. Those viruses in ganglia can reactivate to cause recurrent outbreaks of disease over the course of a person's life. Both viral and host factors are thought to play a role in the maintenance of HSV 1 or HSV 2 in the latent state, and these factors may also influence rates of reactivation.

The mechanism of HSV latent infection and reactivation are poorly understood. Specific viral genes appear to be involved in the establishment, maintenance and reactivation of latency.

The animal model is essential for the study of HSV pathogenesis and latency due to the poorly understood interaction between virus and host that allow latency to occur, and is necessary for the study of vaccines, antiviral drugs or passive protection of antibody before clinical testing. No computer simulation or cell culture model has successfully mimicked the above processes.

This study is designed to evaluate the effects of mutations in different regions of the virus genome on the course of latent infection. The guinea pig is the only model for HSV2 acute infection and spontaneous recurrent disease. Spontaneous recurrent disease must occur in order to assess the effects of the mutations made in the virus genome. Smaller animals such as the mouse can be latently infected with HSV2, but they do not experience spontaneous recurrent disease.

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results.

There are six possible routes of infection used to study herpes simplex virus pathogenesis in animal models. Virus can be given via the skin, ear, vagina, eye, footpad or systemically. Herpes infection at any of these sites can spread to central nervous system tissue and lead to death of the



51F00160 NOV 29 1999

animal from HSV-induced neuritis. We use the vaginal route of infection because we are most interested in viral latency and the regional ganglia serving these tissues are most amenable to study.

HSV infection may cause no lesion, vesicle formation, or ulceration. Animals may experience pain during the acute phase of infection with HSV2 depending on the severity of infection. The acute infection lasts 15 days after which the virus is latent. During this latent phase, although animals have spontaneous recurrences, the lesions are milder-from a reddening of an area to a small vesicle--and are not believed to be painful.

Animals are carefully observed and scored daily for the development and location of lesions post-inoculation.

### Scoring of Lesions

Score 0 No lesion

Score 1 Focal redness and few small vesicles

Score 2 Several vesicles

Score 3 Progressive vesicle formation

Score 4 Ulceration and maceration and/or hindlimb paralysis

Acute infections must be permitted to occur and resolve in order to study latency and spontaneous recurrence. Lesions of the severity of a score 3 or 4 are only seen in the acute phase of the infection. Scores of 3 and 4 are believed to be painful for approximately 5 to 7 days after they develop. Hindlimb paralysis and/or bacterial superinfection of the genital ulcers may also develop during this time. Both genital lesions and hindlimb paralysis usually resolve within 2 to 10 days after onset. The lesions may then recur with recurrences usually lasting 2-3 days. Between recurrences, animals are asymptomatic. With time, recurrences become less frequent.

Anesthetic or analgesic agents cannot be used, as these agents would attenuate the immune response, interfering with disease pathogenesis and/or reactivation of latent infection.

Up to 60% of infected animals develop lesions warranting a score of 3 or 4. Of these, approximately 10% develop persistent macerations in the genital area that do not resolve after 10 days. If the genital macerations have not resolved by the 11th day, or one hindlimb is paralyzed for 11 days, the animal is euthanized.

The investigator must inform the veterinary staff of the commencement of studies which include animals that will experience pain or distress. When animals are placed on studies in which morbidity is anticipated, the experimental endpoint must be clearly indicated on the cage card and contact information for investigators MUST be provided to the veterinary staff. This will allow the veterinary staff to ensure appropriate monitoring of animals which are expected to exhibit more than minimal or transient morbidity prior to the experimental endpoint. In animals that are showing signs of paresis or paralysis, the urinary bladder will be monitored for urinary retention. The urinary bladder will be expressed at least once a day in animals experiencing

NIH/NIAID

5) F0016 NOV 29 1999

urinary retention.

In the event that animal care personnel identify animals that appear to be succumbing to infection (persistent maceration, progressive paralysis, paralysis of both hindlimbs, moribundity), the investigator performing the experiment is notified in order to collect fresh tissues and the animals are euthanized. The animals will be euthanized by the close of business on the day of investigator notification, unless an exception is approved by the facility veterinarian.

In accordance with animal health monitoring Standard Operating Procedures animal health observations will be conducted by veterinary personnel twice daily on week days and once daily on weekends and holidays. The institutional guideline, Endpoints in Animal Protocols, requires that animals showing signs of morbidity be observed twice daily 365 days a year unless an exception is granted by the IACUC. To assist investigators with compliance with the guideline, the following procedure is employed: If an animal shows signs of morbidity on a Friday afternoon (hunched, not eating, persistent or progressive ulceration and maceration), the veterinary staff will notify the investigator conducting the experiment on Friday afternoon in order to either make arrangements for the investigator to euthanize the animal and collect tissues by close of business Friday, or for the investigator to perform afternoon observations on the animal(s) on weekends and holidays. The names of personnel to do weekend/holiday monitoring will be clearly posted on the cage cards as Investigator 2.

Over the past year, thirteen animals experienced pain due to development of lesions warranting a score of 3 or 4 and/or distress due to hind limb paralysis. Based on this experience we do not expect that more than 30 animals will develop painful lesions during the coming year.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

I. REGISTRATION NO 14-F-009 14 F 0000

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA USDA Human Nutrition Research Center on Aging

at Tufts University 711 Washington St.

Boston, MA 02111

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Siles)

Comparative Biology & Medicine - Levels 3/4

Anumals Covered By The Animal Wellare Regulations	B Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs	D Number of animals upon which experiments, teaching, research surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO OF ANIMAL:  (Cols. C + D + E)
4. Dogs			•		
5. Cats					<u> </u>
6. Guinea Pigs				•	
7. Hamsters				-	
8. Rabbits	-	39			39
9. Non-human Primates		·			
10. Sheep					
11 Pigs					
12. Other Farm Animals					
13. Other Animals					
mice	2658	4298	-	255	7211
rats	578	1122	_	40	1740
ferrets	-	-	24		24

1) Professionally acceptable standards governing the care, freatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility

- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Annual Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Ecertify that the above is fine, correct, and complete (7.0.5.C. Section 2143)

NAME & TITLE OF CE.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolute )



# TUFTS UNIVERSITY

## Contractor For United States Department of Agriculture Human Nutrition Research Center on Aging

November 18, 1999

Dr. Elizabeth Goldentyer, D.V.M. Director - Animal Care APHIS Eastern Regional Office 920 Main Campus Drive Suite 200, Unit 3040 Raleigh, NC 27606

Reference: USDA Annual Report (Registration No.: 14-F-0009)

Dear Dr. Goldentyer:

The enclosed documents represent the U.S.D.A. Human Nutrition Research Center on Aging at Tufts University's "Annual Report of Research Facilities" for the Federal fiscal year, October 1, 1998 through September 30, 1999. Aspects of this report that require comment are:

### 1) Animals reported under Category E:

- a) Inflammatory Bowel Disease (IBD) was induced in two hundred (200) mice to refine an animal model analogous to the human disease so that therapeutic interventions could be evaluated in future studies. Animals that developed IBD experienced pain/distress analogous to the human rheumatoid arthritis situation.
- b) Pre-malignant cell growth was induced in the colon of fifty-five (55) mice. Although there was no pain associated with these pre-malignant changes, the use of the carcinogen may have been associated with some discomfort related to anorexia.
- c) Mild arthritis was induced in forty (40) rats as an animal model of arthritis. Body composition, cytokine production and measurements of physiological aging were made before, during and after the development of the inflammatory process. Animals that developed arthritis experienced pain/distress analogous to the human rheumatoid arthritis situation.

Should you have any questions regarding the report, please do not hesitate to contact me.

(b)(6) + (b)(7)(c)

(b)(1)(c)

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See reverse side for additional information.

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 51-F-0001

FORM APPROVED OMB NO. 0579-0036

 HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

Uniformed Services of the Health Sciences USUHS

4301 Jones Bridge Road Bethesda, MD 20814-4799

NOV 17 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

432

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

Department of Laboratory Animal Medicine

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquillzing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F. TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	17	0	17
5. Cats	0	0	. 0	0	0
6. Guinea Pigs	0	0	0	12	12
7. Hamsters	0	0	5	0	5
8. Rabbits	0	0	6	0	6
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	26	0	26
11. Pigs	0	0	575	0	575
12. Other Farm Animals					
Goats	0	0	104	0	104
13. Other Animals					
Ferrets	0	88	37	0	125
Gerbils	0	3	0	0	3
Sand Rats	84	201	<b>.</b> 57	0	258
ASSURANCE STATEMENTS					

1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES EARCH FACILITY OFFICIAL
CERTIFICATION BY HEADQUARTES ARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Recognition of Institutional Official)  1 certify that the above is true, correct to the control of the control o
I certify that the above is true, correct to the Co. (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

THE TOTAL OFFICIAL Type or Print

DATE SIGNED

11/3/99

### Optional Column E Explanation Form

This form is intended as an aid to completing the Column E explanation. It is not an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists.

1. Registration Number: 51-F-0001

NOV 1 7 1999

- 2. Number 12 of animals used in this study.
- 3. Species Guinea Pig of animals used in this study.
- 4. Explain the procedure producing pain and/or distress. Sereny Test
- 5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results.

The value of the Sereny test lies in the fact it is an immunocompetent, live animal model for Shigella invasion, multiplication and spread. Analgesics are immunosuppressive. The immunocompromised nature of the animal after analgesic treatment can alter progression of the inflammation, which is, provoked by the bacterial challenge and compromise the validity of the test.

The use of analgesic agents actually has an adverse effect on the health of the animals if reduced weight gain, lethargy and suppression of the self-grooming behavior are considered as indicators. The general lethargy of the animals, which leads to a decrease in their normal grooming behavior, has a significant impact on the Sereny test. Opioid sedation of the animals and decreased grooming behavior causes a significant buildup of exudate around the eye during the course of a positive reaction. These effect seals the eye shut, and the animal can no longer voluntarily open the eye, it is impossible for the investigator to visually assess the extent of conjunctivitis. In order to do so the eye must be physically opened by the investigator to examine the infected cornea and conjunctiva.

POC:

(6)(6), (b)(7)(c)

Uniformed Services of the Health Services

See reverse side for additional information. Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 42-F-0008

FORM APPROVED OMB NO. 0579-0036

**ANNUAL REPORT OF RESEARCH FACILITY** (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Center for Veterinary Biologic-Laboratory P.O. Box 844 Ames, IA 50010

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

1800 Dayton Road

Ames, IA 50010

A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research; surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs		6			6
5. Cats	·	5			5
6. Guinea Pigs		915	233	185	1333
7. Hamsters	44	3101		1033	4134
8. Rabbits		74	396		470
9. Non-human Primates	·				
10. Sheep					
11. Pigs					
12. Other Farm Animals			·		
Goats	·	4			4
13. Other Animals					

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

OR INSTITUTIONAL OFFICIAL

(Replaces VS FORM 18-23 (OCT 88), while bsolete.)

CVB-L

42F 0008

**FY99** 

# Optional Column E Explanation Form

es, addresses, protocols, veterina mation. A Column E explanatio	planation. It is <u>not</u> an official form ary care programs, and the like, are an must be written so as to be
42 F 0008	
3	d to completing the Column E explanations, addresses, protocols, vetering anation. A Column E explanation well as scientists.  42-F-0008

- 2. Number\_185 guinea pigs and 1033 hamsters\_\_\_of animals used in these studies.
- 3. Species (common name) guinea pigs and hamsters of animal used in these studies.
- 4. Explain the procedure producing pain and/or distress.
  - a. 107 guinea pigs were used on Clostridium chauvoei and Clostridium haemolyticum challenge testing.
  - b. 66 guinea pigs were used on Clostridium tetani potency testing.
  - c. 12 guinea pigs were used on pathogenicity Testing for biological agents.
  - d. 1033 hamsters were used for evaluation of Leptospira bacterins and maintenance of challenge cultures.
- 5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see question 6 below)

See item 6 below.

- 6. What, if any, federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):
  - a. APHIS, 9 CFR 113.106 and 113.107
  - b. APHIS, 9 CFR 113.114 and 113.451
  - c. APHIS, 9 CFR 113.106, 113.107, 113.114, and 113.451
  - d. APHIS, 9 CFR 113. 101, 113.102, 113.103, and 113.104

November 30, 1999

Annual report of the Center for Veterinary Biologics - Laboratory (CVB-L) for the period of October 1, 1998, through September 30, 1999.

1. Statement of reasons for not using drugs in experiments involving pain and distress:

The CVB-L's main function is the testing of veterinary biologicals for safety, efficacy, and purity. Drugs to alleviate pain and distress produced by the infectious disease agents are contraindicated as they suppress the immune system causing the disease to be more severe and run a longer course. Most cases are also not allowed according to the requirements found in the 9 CFR, Chapter 113. Making sick animals comfortable and disturbing them as little as possible provides better treatment to these animals and quicker recovery than occurs by administering pain relievers. Euthanasia or curative treatments are employed as soon as allowed by the Animal Care and Use Committee approved animal use procedure.

2. Exceptions to adherence to the standards and regulations under the Act: None

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

OMB NO. 0579-0036

### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

42-F-0004

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2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

National Veterinary Services Laboratories P.O. Box 844 Ames, IA 50010

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

**FACILITY LOCATIONS (Sites)** 

1800 Dayton Road

Ames, IA 50010

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F. TOTAL NO. OF ANIMALS  (COIS. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs	. 2	26		8	34
7. Hamsters					
8. Rabbits			92		92
9. Non-human Primates					
10. Sheep		528			528
11. Pigs		100			100
12. Other Farm Animals					
Horses/Ponies		6	1		7
13. Other Animals					
Cattle		11			11

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

O OR INSTITUTIONAL OFFICIAL



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

NVSL

11-30-99

DATE SIGNED





November 30, 1999

Annual report of the National Veterinary Services Laboratories (NVSL) for the period of October 1, 1998, through September 30, 1999.

1. Statement of reasons for not using drugs in experiments involving pain and distress:

The NVSL's main function is the diagnosis of animal diseases. Drugs to alleviate pain and distress produced by the infectious disease agents used, are contraindicated as they suppress the immune system causing the disease to be more severe and run a longer course. Making the animals comfortable and disturbing them as little as possible provides better treatment to these animals and quicker recovery than occurs by administering pain relievers. The use of drugs such as anesthetics, tranquilizers, or analgesics could also interfere with the expression of the clinical signs, gross pathology, histopathology, and other assay for the diseases. Misdiagnosis could result in the use of more animals to repeat the testing. Euthanasia or curative treatments are employed as soon as allowed by the Animal Care and Use Committee approved animal use procedure.

2. Exceptions to adherence to the standards and regulations under the Act: None

FY99

# Optional Column E Explanation Form

1.	Registration Number: 42-F-0004
2.	Number8of animals used in this study.
3.	Species (common name)_Guinea pigsof animal used in this study.
4.	Explain the procedure producing pain and/or distress.
17	Guinea pigs were given Mycobacterium isolates from submitted diagnostic cases for isolate identification and pathogenically testing. These isolates were from suspected tuberculosis cases in animals. Eight animal became sick from the testing.  Provide scientific justification why pain and/or distress could not be relieved. State ethods or means used to determine that pain and/or distress relief would interfere with st results. (For Federally mandated testing, see question 6 below)  The disease must be allowed to manifest itself for diagnostic purposes.
	The disease must be allowed to maintest fisch for diagnostic perpeter.  Pain-alleviating drugs would interfere with the primary production of disease and present a biosafety hazard to personnel.
	. What, if any, federal regulations require this procedure? Cite the agency, the Code of
1	what, if any, lederal regulations require this procedure and the specific section number (e.g., APHIS, 9 cFR 113.102):

The Table 1

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 31-V-0004 FORM APPROVED OMB. NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Code) المكاف المستعمرات

Department of Veterans Affairs Headquarters 810 Vermont Avenue, NW Washington, DC 20420

668

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

Louis Stokes DVA Medical Center 9541) 10701 East Boulevard

Cleveland, OH 44106 /Wade Park Unit

Ā	Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet.used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMAL:  (Cols. C +  O + E)
4.	Dogs	8		37	8	45
<b>5</b> .	Cats	·				
6.	Guinea Pigs					
	Hamsters					
8.	Rabbits	27		57	4	61
9.	Non-human Primates					
10.	Sheep					
11.	Pigs					
12.	Other Farm Animals					
13.	Other Animals					
	,					
_						

#### ASSURANCE STATEMENTS

(AUG 91)

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during: and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Caré and Use Conmittee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

		CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
		(Chief Executive Officer or Legally Responsible Institutional Official)
$\langle C_2 \rangle$	(1) (-) (1)	Lorenthy that the above is true correct, and complete (7.11.5.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

FORM 18-23 (OCT 88), which is obsolete) APHIS FORM 7023 🕷

# 31-1/2-0004 (Department of Veterans Affairs Headquarters)

Louis Stokes Cleveland DVA Medical Center (541) Wade Park Unit 10701 East Boulevard Cleveland, OH 44106

# 1999 - Explanation of animals reported in Section E

- 1. Eight (8) Dogs Pacemakers were implanted in these animals in order to pace the heart so that the animals would develop heart failure. Some of these animals experienced some distress in the later stages of heart failure development. Any distress encountered is usually a direct result of physiologic changes that are part of the disease process in its later stages. The use of anaesthetic, analgesic or tranquilizing agents was not necessary. These animals could not be treated with pharamocologic means to modify the disease because previous experience had shown that use of these drugs is not possible in later stages of heart failure development due to the sensitivity of the animals to such agents. Many of the available agents have modifying effects on autonomic nervous system activity (which is the dependent variable in our studies), compromise the animals hemodynamic status which may lead to death, or create other unacceptable changes in the animals physiology which cannot be controlled appropriately. Any animal that showed signs of significant discomfort that could not be ameliorated by medications such as lasex was used in acute experiments or was euthanized.
- 2. Four (4) Rabbits Because TiterMax with antigen did not elicit a satisfactory antibody response, four rabbits were given an injection of antigen in complete Freunds adjuvant. The rabbits were inoculated in the axilla and groin (0.25 ml/site). None of the animals showed gross evidence of pain or discomfort following the injection or during the first week after the injection. One would anticipate that the animals would chew at the injection site if it were uncomfortable; this did not happen. In the past giving procaine with the initial injection made no difference in the reactions of the rabbits.

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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 87-V-001

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Department of Veterans Affairs Headquarters 810 Vermont Avenue NW Washington, D.C. 20420

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

660

VA Medical Center 500 Foothill Blvd.

Salt Lake City, UT 84148

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	3	0	24	0	24
5. Cats	0	Û	2	0	2
6. Guinea Pigs	. 0	0	0	0	0
7. Hamsters	0	0	0	0	О
8. Rabbits	10	0	106	5	111
9. Non-human Primates	. 0	0	С	0	0
10. Sheep	0	Ŋ	0	0	О
11. Pigs	0	Ŋ	0	0	0
12. Other Farm Animals					
13. Other Animals					
Mice	165	n	1135	0	1135
Rats	240	00	1981	0	1981

2). Each principal investigator has considered alternatives to painful procedures.

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care the lowerser the adequacy of other aspects of

animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

1 certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE DECED OR INSTITUTION

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

10/19/99

APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(b)(c), (b)(7)(c)

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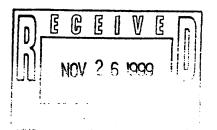
"Item E" of the APHIS Form 7023 states; Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or test. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report.)

The five animals listed under item E of the USDA "Animal Report of Research Facility", were used on Protocols where the Rabbits were injected with Freunds complete adjuvant only on the first injection for antibody production to small amounts of isolatedd peptids/proteins that are weakly antigenic. The Protocols covering these animals are:

VAMC SLC Protocol # 98/1 "Pathogenesia of Emphysema" 2 Rabbits

VAMC SLC Protocol # 98/7 "Regulation of the cAMP-Specific Phosphodiesterose" 3 Rabbits

In order to achieve antibody production it is essential to use small amounts of Freunds adjuvant for the initial injection only. The Animal Procotols have been reviewed and approved by the Salt Lake City VAMC IACUC and by National VA Veterinary Officer review as part of the Merit Review Process.



UNITED STATES DEPARTMENT OF AGRICULTURE

1; REGISTRATION NO.

51-F-003

0003

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Meme and Address as registered with USDA, michate Zip Gede)

Armed Forces Radiobiology Research Institute 8901 Wisconsin Ave.

Bldg. 42

Bethesda, MD 20889-5603

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, treaching, or experimentation, or held for these purposes. Attach additional shorts if necessary.)

FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY	OR UNDER CONTROL O	F RESEARCH FACILIT	Y (Altach adulthmud sheels if n	ecussory or use APHS FORM /023A)	
Animals Covered By The Animal Wellare Regulations	B. Number of animals being brad, conditioned, or held for use in leaching, lessing, superiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, esperiments, or tests were conducted meching no pain, distress, or use of pain-relieving drugs.	D. Number of immah upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying poin or distress to the animals and for which appropriate exestingly, analysisis, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, retearch, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analysisc, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the precedures producing pain or distress in those animals and the reasons such drugs were not used must be effected to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs		43		20	63
5. Cats					
6. Guinea Pigs		41	229	61	331
7. Hamsters					
8. Raphits			· · · · · · · · · · · · · · · · · · ·		
9. Non-human Primates		8	126		134
10. Sheep					
11. Pigs			17		17
12. Other Farm Animals					
13. Other Animals					
Ferret	·		22		22
Mouse		7,468	498	10,234	18,200
Rat		175	44		219

- 1) Professionally acceptable standards governing the care, treetinent, and title of animals, including appropriate title of animals, and transposition of transpositions of transpositions of the care, treetinent, and following actual research, teaching, testing, surgery, or experimentation were inflowed by this research facility.
- 7) Each principal investigator has considered billemotives to painful procedures
- 3) This spallty is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the primapel investigator and approved by the Institutional Animal Care and the Conmittee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-upproved exceptions, this auminary includes a brief explanation of the exceptions, as well as the species and number of annuals alfinited.
- 4) The intending reterinarian for this research facility has appropriate authority to ensure the provision of actiquate velerinary care and to oversee the admiracy of other aspects of authority care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL.  (Chief Executive Officer or Legally Responsible Institutional Official)  Legally that the above as true, correct, and complete (7 USC Section 2149)						
SIGNATURE OFFICIAL	(b)(b)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED			
	(6)(7)(0)	AFRRI (b)(7)(c)	24/1099			

APHIS FORM 7023 (AUG 91)

ASSURANCE STATEMENTS

(Replaces VS FORM 18-23 (OCT 88), which is obsolite)

RECEIVE

51 F0003

Registration No. 51-F-003

Armed Forces Radiobiology Research Institute 8901 Wisconsin Ave. Bldg. 42 Bethesda, MD. 20889-5603

Attachment to APHIS Form 7023

Pain Category "E" Justification

Protocol 1-12 Canines

Nausea, retching and vomiting are associated with acute, but not chronic, gastrointestinal distress during the response to the cytoprotective agent or radiation. In order to determine whether we can alleviate it with said 5-HT3 receptor antagonist anti-emetics, we must determine the degree to which it appears under control conditions. Some analgesics have been shown to interfere with radiation-induced emesis but further may influence the immune system. The latter would confound future work in irradiated animals. Opioids and sedatives are typically anti-emetic and will thus interfere with the response we are studying or confound the anti-emetic properties of Kytril®. Likewise, these compounds can interfere with neutrophil function, which would also confound any future radiation studies. There may be some discomfort associated with the cardiovascular hypotension, if it occurs. However, since the hypotensive effects of Amifostine® are unclear and may be integrally linked with the nausea and vomiting, we also cannot relieve this symptom.

#### Protocol 2-8 Canines

Analgesics would interfere with the identification of clinical signs, hematological parameters, and survivability and therefore will not be administered. For example, analgesics my influence the immune system, which is one of the major targets of radiation.

Sedatives and opiates are also known to affect neutrophil functions. Since neutrophils are affected by irradiation, use of sedatives could introduce a possible confounding effect on neutrophil function, a marker in this study; and therefore, sedatives will not be used.

The effects of analgesics on prostaglandins are known. Iloprost and misoprostol are two prostaglandin analogues used as protective drugs. In fact, it has been shown in mice that the individual toxicity's of iloprost and misoprostol are annulled by mixing them together as will be done in this study.

#### Protocol 3-882 Mice

We are looking for neurological signs as an endpoint in this protocol. We cannot use drugs that will mimic or mask these signs or interfere with the immune response.

Opiates are reported to be associated with histamine release and they may cause CNS side effects that can confound the results of this particular study.

Glucorticoids lower seizure threshold and alter mood and behavior and at higher doses can alter the immune system and mask clinical signs of infection.

Non-Steroidal Anti-inflammatory Drugs (NSAIDs) may result in neurological toxicity as one of their adverse effects.

#### Protocol 4- 17 Guinea Pigs

These experiments will set up a model which may prove useful for future studies that explore countermeasures and treatment on the effects of radiation on EEG and of the possible interactive effects of radiation, nerve agents, and sleep deprivation.

Protocol 5-3706 Mice

SIF0003

These tests are designed to access the change in the response of mice to the effects of ionizing radiation and bacterial infection. Radiation causes complex, adverse changes in many tissues. The drugs to be tested are intended to alleviate these adverse effects of radiation and infections. Many pathogenic bacteria cause common responses and disease process in animals, which cannot be mimicked readily by substitutes.

#### Protocol 6-68 Mice

Analgesics adversely affect undamaged hematopoietic cells and interfere with NADPH oxidase, an important phagocytic enzyme.

Opiod analgesics are known to cause immunomodulation.

Non-narcotic analgesics are anti-inflammatory and would interfere with the inflammatory responses of the normal tissue to *Shigella* and irradiation.

#### Protocol 7-206 Mice

Analgesics will not be used because of their adverse effects on undamaged immune system cells, which would interfere with the end results of this study.

#### Protocol 8-322 Mice

The Pro-Neuron compounds have already been tested in cell culture and final testing must be performed in intact animals.

Pro-Neuron has evidence that the pain relievers that would be expected to exert any analgesic effect in mice might also affect the activity of the compound in such a way as to confuse the experimental results of bone marrow transplantation and irradiation. The studies which uncovered this evidence were performed at Pro-Neuron and are proprietary in nature. Therefore, pain relievers will not be given, as this would ultimately result in a waste of animals and effort.

#### Protocol 9-299 Mice

Analgesic compounds cause adverse effects on undamaged hematopoietic cells and interferes with NADPH oxidase, a key polymorphonuclear leukocyte involved in the ability of these cells to phagocytize and kill bacteria.

Opioid analgesics are immunomodulatory.

#### Protocol 10-3978 Mice

Opioid analgesics are immunomodulatory non-narcotic analgesics with anti-inflammatory efficacy. These would interfere with the inflammatory responses of the hemopoietic tissues to infections and, therefore, cause adverse effects on undamaged hematopoietic cells. As a result, opioid analgesics would interfere with NADPH oxidase, a key polymorphonuclear leukocyte enzyme that is involved in the ability of these polymorphonuclear leukocyte cells to phagocytize and kill bacteria.

### Protocol 11-372 Mice; 44 Guinea pigs

The doses of ionizing radiation to be used are sub-lethal and will not cause pain or distress, however we can presume that infection will cause discomfort. In vaccination and therapeutic experiments we can presume that the majority of the vaccinated and a portion of the drug-treated animals will be protected and pain-free. However we will be testing efficacy following the unknown effects of radiation on immunity thus we will assume that all animals that receive radiation and bacterial challenge will be in the unalleviated pain or distress category.

#### Protocol 12-401 Mice

All animals will receive a local anesthetic for pellet placement, however the drug delivery system being tested in this protocol involves subcutaneous release requiring the biological interactions at the tissue

level which would not be achievable in non-animal models. The implanted drugs may have a pain/distress alleviating action. Other drugs with known pharmacokinetic actions will masks the efficacy of these drugs and render the study invalid: so they should not be used and render the study invalid; so they should not be used.

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1327

1. REGISTRATION NO.

93-V-003 93 V 0002

Laris FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

Department of Veterans Affairs Central Office 810 Vermont Avenue, N.W. Washington, DC 20420

# ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

### FACILITY LOCATIONS (Siles)

640 VAPAHCS

VAPA Health Care System

3801 Miranda Avenue

Palo Alto, CA 94304

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	conducted distress to the animal and for which appropriately applied to the conduction of the conducti		E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F. TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs		6	12		13
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	-	6	12		18
9. Non-human Primates					
10. Sheep			15		15
11. Pigs	5		77		77
12. Other Farm Animals					
13. Other Animals					
Rats	279	1461	2533	149	4143
Mice	3,000	9608	1560		11,168

1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, a professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, a professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, a professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of animals, including approximation and inc

2). Each principal investigator has considered alternatives to painful procedures

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

# CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

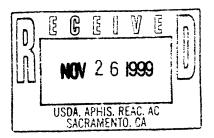
DATE SIGNED

(b)(b)(b)(c)

10-28-49

10/18/99

The rats reported here as Category E are under one protocol. The protocol details a model for Experimental Allergic Neuritis. This model is an immune mediated peripheral neuropathy which over the space of 20 days results in a hind limb paralysis from which recovery occurs. During this time rats receive supportive care but no analgesics because they may interfere with the progression of the disease state through immune modification. Although much unrelieved pain is probably not involved, the partially paralytic state probably does cause a degree of distress.



UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

200

1. REGISTRATION NO.

9 3

FORM APPROVED aris OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

NASA/Ames Research Center Animal Care Faculty MS 261-1 Mosfett Field, CA 94035-1000

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

# NASA Ames Research Center

surgery but not yet used for such purposes.	conducted involving no pain, distress, or use of pain- relieving drugs.	accompanying pain or distress to the animals and for which appropriate anesthelic, analgesic, or tranquilizing drugs were used.	Examples or use APHIS FORM 7023A)  E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS (Cols. C + O + E)
23	0	511	0	511.
8	12	0	0	12
	٠.	<u> </u>		
2	は	14	0	_14
7	0	22	25	97
	23	purposes. relieving drugs.	23 0 511 8 12 0	23   0   511   0   0   0   0   0   0   0   0   0

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of etic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facili NOV 2 6 1999

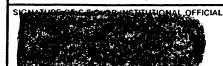
2). Each principal investigator has considered alternatives to painful procedures

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions are all such exceptions, as well as the Specified and explained by the addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the Specified and explained by the principal investigator and approved exceptions, this summary includes a brief explanation of the exceptions, as well as the Specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions are all such exceptions as the summary of the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions are all such exceptions are all such exceptions are all such exceptions.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

#### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Legitly that the above is true, correct, and complete (7 U.S.C. Section 2143).



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

**NOV** 26 **199**9

USDA, APHIS, REAC, AC

Justification for Column E entries:

Tests which may cause pain or distress and for which the use of anesthetic, analgesic, or tranquilizing drugs would have adversely affected the animals, procedures, results, or interpretation:

Note: All of the following procedures are outlined in the approved animal care and use protocol and were discussed and approved by the Ames Research Center Institutional Animal Care and Use Committee.

The ultimate goal of the experiments with gerbils is to increase the understanding of the adaptive or compensatory processes that, from a clinical perspective, allow individuals to adjust to the loss of inner ear function following injury or disease, and from a space medicine perspective, allow astronauts to operate effectively after several days in a new gravitational environment. The information obtained from this and future studies will contribute to the development of treatments to facilitate the compensatory or adaptation process so that it will occur more rapidly, thus decreasing the period of dysfunction in patients and astronauts. A total of 25 gerbils were used in each procedure.

### Centrifugation: 25

The gerbil is a standard model for neurophysiological and morphological/histochemical studies of how the vestibular system, including the gravity sensors, functions, because the sensors and their neural connections to the brain are easily accessible to surgical manipulation in the gerbil, but not the rat or the mouse. Gerbils were previously used in altered G experiments to confirm that normal gerbils will adapt readily to hyper G and show modification in vestibular reflexes following hyper G exposure. Further, it was previously confirmed that animal well-being was not compromised by the standard hyper G exposure paradigm. In order to investigate the vestibular system reaction to hyper G, it was necessary to centrifuge animals at 1.5G for several days.

While initial exposure to centrifugation may be stressful and cause some slight discomfort, previous studies demonstrate that after 2 to 4 days of exposure to hyper G, gerbils begin to gain weight and return to normal levels of activity, feeding and drinking, and other signs of stress disappear. The mild stress at the beginning of exposure is thought to be an integral part of adaptation and associated with the initiation of the process. Analgesia or anesthesia during exposure to centrifugation would invalidate the study because it would impact the voluntary movements of the animals required for normal sensory-motor adaptation, and normal neural function during this process of adaptation. Animals were observed, handled, and weighed daily and if the well-being of any animal was compromised, i.e. unexpected weight loss, inability to move around the cage, or failure to thrive, it would have been removed from the study. All of the gerbils did adapt within two to four days of initiation of centrifugation.

Swimming Test: Species: Gerbil Number: 25

Swimming was used as an indicator of vestibular function and as part of selection criteria for centrifugation. Only animals showing normal swimming behavior were chosen for centrifugation.

Any stress caused by swimming is minimized because water in the swim tank is maintained near body temperature (35 - 37°C) and the duration of swimming is brief (<20 sec). Furthermore, swimming is a part of the normal behavioral repertoire of the rodent. The use of tranquilizers would impact vestibular and neuromuscular circuitry, invalidating the testing and potentially endangering the well-being of the subjects.

see reverse side for / additional information.

0180-DOA-AN

12-12

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 001 82V 0001

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Department of Veterans Affairs Central Office 310 Vermont Avenue NW Washingtoom D.C. 20429

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

531 VA Medical Center 500 Mest Fort Street Boise, 10 33702-4598

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.  C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.		Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs			i in t	<u> </u>	
5. Cats			•		
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	24	. 13	6	11	30
9. Non-human Primates					
10. Sheep			20		20
11. Pigs	·				
12. Other Farm Animals					
13. Other Animals					
mice		6		306	312
rats	37	43	48	176	267
ASSURANCE STATEMENTS				11.1 15 12 13 11 71 12 1	

1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate iselablanesmetic, analysis and transpillizing diges, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research lacility.

2). Each principal investigator has considered alternatives to painful procedures

NOV 2 6 ISSS Indeed and expectified and expect

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions; as well as the species, and number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care; and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)



NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91) (Replaces vs FORM 18-23 (OCT 88), which is obsolete )

During fiscal year 1999, two animal research protocols utilizing 90 animals each were active. Both of these studies tested the efficacy of novel treatment strategies in the prevention of experimental Gram positive soft tissue infection, specifically those infections caused by Clostridium perfringens and Streptococcus pyogenes. Infection with these viable organisms produces progressive infection which was associated with pain. No analgesics were administered since their presence alters the natural course of the infection under study. [See reference: Could nonsteroidal antiinflammatory drugs (NSAIDs) enhance the progression of bacterial infections to toxic shock syndrome? Clin Infect Dis 1995;32:977-80]. In addition, although Tylenol would serve to reduce pain, its ability to also reduce fever suggested it would alter other host responses to infection.

Species affected:

(b)(b)

(a)(r)(c)

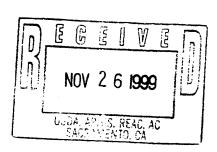
mice

Number affected:

180 (col. E)



(6)(6) (6)(7)(6)



## **RABBITS**

The model of doxorubicin cardiotoxicity caused rabbits to experience discomfort. Drugs that reduce the discomfort have been reported to interfere with the changes in molecular markers during the development of doxorubicin cardiotoxicity. Since we were testing doxorubicin cardiotoxicity, those drugs were not administered.

Species: Rabbit # affected: 6

Col. E

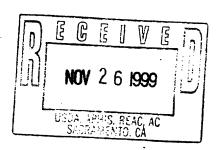
## **MICE**

Injections of cisplatin and GPX-325 caused discomfort in the mice. Four days after the injections of cisplatin and GPX-325, blood was collected from the mice for measuring creatinine and blood urea nitrogen to identify the cisplatin induced nephrotoxicity and its reversal by GPX-325.

Compounds that might lessen the discomfort and pain may alter the effect of GPX-325. Therefore, these compounds were not injected.

Species: Mice # affected: 126





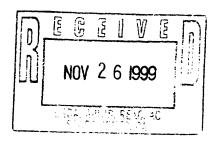
# 82V0001

Our laboratory developed a chronic rabbit model of doxorubicin cardiotoxicity to investigate the mechanisms of cardiac lesions produced by doxorubicin. This entailed injecting 1 mg/kg doxorubicin i.v. twice/week for 8 consecutive weeks. In addition to development of cardiotoxicity, this chronic regimen of doxorubicin administration was associated with a variable (no change to moderate) amount weight loss and appetite suppression. Also, there was a transient hair loss in some rabbits that was reversible. There were no attempts to reverse the hair loss or appetite suppression. It is unclear whether anabolic steroids would prevent weight loss in doxorubicin treated rabbits. Anabolic steroids may, however, confound or mask analysis of cardiac lesions produced by doxorubicin and invalidate the study design. Other therapeutic possibilities such as vitamin B complex have unproven efficacy to prevent weight loss or appetite suppression in chronic models of doxorubicin administration.

(b) (c) (c) (c)

Species: NZW Rabbit

Number affected: 5 from column E and 10 from column B



# **VA Medical Center**

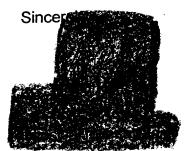
500 W Fort St Boise ID 83702

October 27, 1999

### Dear Sir or Madam:

We use rats for chronic anthracycline cardiotoxicity studies. They develop cardiac dysfunction and also renal pathology. The anthracycline toxicity causes anorexia and weight loss. There is no treatment available that can counteract these problems, unfortunately. We use the lowest possible dose of anthracylline to avoid even greater weight loss. We do not think the animals suffer physical pain requiring analgesics.

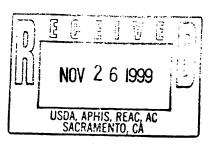
We also include rats in single dose anthracycline pharmacokinetic studies. This protocol does not cause significant distress to the animals.



(6)(6), (6)(7)(c)

Species affected: rat

Number affected: 176 (col. E)



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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Code) Geltex Pharmaceuticals, Inc. 9 Fourth Avenue

Status: Active

153 2 NO AVE 58 S. Royalston Road
Waltham, MA 02154
WALTHAM, MA 02154 ETF. 412114

-//					hina	or experimentation or held for these purposes. Attac	h additional
3. REPORTING FACILITY (List all lo sheets it necessary)	ocations where animals	were housed or used it	n actual res	earch, lesting, teach	·iing	, or experimentation, or held for these purposes. Attac	
		FAC	ILITY LOCA	TIONS (Siles)			
See Attached							
				•			· · · · · · · · · · · · · · · · · · ·
REPORT OF ANIMALS USED BY OF	NUMBER CONTROL OF	RESEARCH FACILITY	(Altach adi	ditional sheets if ne	ces	SBUTY OF USE APHIS FORM 7023A)	
Animals Covered By The Animal Wellare Regulations	Animals Covered By The Animal  By The Animal		D. Numbe which ( leachir surgery conduct accom distres and lo anesth	Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and lor which appropriate anesthetic, analgesic, or tranquilizing drugs were		Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMAL:  (Colz. C 4  D + E)
4 Bass							
4. Dogs							
5. Cats	<del> </del>	<u> </u>			T		
6. Guinea Pigs		0021		0	$\dagger$	1752	4583
7. Hamsters	0	2831	<del> </del>	0	+		
8. Rabbits			<u> </u>		╀		
9. Non-human Primates					+		
10. Sheep					1		ļ
11. Pigs					$\perp$		ļ
						•	
12. Other Farm Animals					T		
	-	<del> </del>			+		
13. Other Animals			<del> </del>	<u>· · · · · · · · · · · · · · · · · · · </u>	$\dagger$		1
· <u></u>	<u> </u>	<b></b>	<del> </del>		+		<del>                                     </del>
					+		
							<u> </u>

# ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the This facility is adhering to the stondards and regulations distributed fine continues that exceptions to the standards and regulations de specified and explained by the principal investigator and approved by the Institutional Annual Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In principal investigator and approved by the institutional clinical core and ose committee (1900). A seminary or all such exceptions is attached to this annual report addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of annuals affected
- 4) The artending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary gare and to oversee the adequacy of other aspects of animal care and use

# CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNE 10-79:

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

66,60C



10



October 25, 1999

# Column E. Explanation Form

- 1. GelTex Pharmaceuticals, Inc. Registration Number 14-R-0064
- 2. 1,752 animals were used in Category E studies.
- 3. Species: Syrian Golden Hamster

(b)(4)

(b)(f)

6. No federal regulations require this procedure.

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE . ANIMAL AND PLANT HEALTH INSPECTION SERVICE

(TYPE OR PRINT)

47-R-0010

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Codel

)F.C

ANNUAL REPORT OF RESEARCH FACILITY

SCHERING-PLOUGH AN HEALTH

21401 W CENTER RD XXX XXX XXXX XXX ELKHORN, NE 68022

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)

21401 West Center Road Elkhorn,

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred,	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquitizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)	
4. Dogs	20	108	0	0	108	
5. Cats	0	188	0	0	188	
6. Guinea Pigs	0	546	137	29	712	
7. Hamsters	9	511	0	1229	1740	
8. Rabbits	45	741	52	0	793	
9. Non-human Primates	0	0	0	0	0	
10. Sheep	0	0	0	. 0	0	
11. Pigs	0	0	0	0	0	
12. Other Farm Animals	0	0	0	0	0	
13. Other Animals						
Mink	11	173	0	43	216	
Ferrets	0	10	0	. 0	10	
ASSURANCE STATEMENTS		·			1.0	

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

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66,67c

Represents two pages of withheld information.

See reverse side for additional information Interagency Report Control No 0180-DOA-AN /27 12

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1273

1. REGISTRATION NO. 84- R-005

FORM APPROVED OMB NO. 0579-0036

OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Genesis Laboratories, Inc. 10122 N.E. Frontage Road Wellington, CO 80549

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.)

	FACILITY LOCATIONS (Sites)
Genesis Laboratories, Inc. 10122 N.E. Frontage Rocal	NA
Wellington CO 80549	
REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACIL	ITY (Attach additional sheets if necessary or use APHIS FORM 7023A.)

REPORT OF ANIMALS USED BY	OR LINDER CONTROL OF	E BESEABOH EACH IT	(100)	ecessary or use APHIS FORM 7023A)	
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits			4 1 #	A	
9. Non-human Primates			,,,,,		
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
Mendow voles		13			i3
Eastern Mole Norway Rats		الى ئى		5 3.7	5
Norway Rats	2	105			305
ASSURANCE STATEMENTS					

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending vetermarian for this research facility has appropriate authority to ensure the provision of adequate vetermary care and to-overses the adequacy of other aspects of animal care and use.

(Chief Executive	BY HEADQUARTES RESEARCH FACILITY OFFICIAL Officer or Legally Responsible Institutional Official) he above is true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
blo bac	ble, b1c	11-24-99

APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolete)

additional information.

0100-00A-WIA

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 84-R-0051

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Genesis Laboratories, Inc. 10122 NE Fronte se Road Wellington, CO 80549

## CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

REPORT OF ANIMALS USED BY OF A.  Animals Covered By The Animal Welfare Regulations  12. &/OR 13. Other (List by species)	B. Number of animals being bred, conditioned, or held for use in leaching, lesting experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or	P (Attach additional sheets if ne which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, appropriate to the procedure of the procedure	TOTAL NO OF ANIMAL (Cols. C D + E)
	284	20	34	40	94
Wild House mause		83		29	112
White-footed make Wild House make Admestic Ferrets				50	50
		<u> </u>			
	<del> : : : : : : : : : : : : : : : : : :</del>				
		-			
			N		
		4			
	/	<b>_</b>			
	- <u>-</u>				
					<del>                                     </del>

#### ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIA	AL
(Chief Executive Officer or Legally Responsible Institutional Official)	
Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143).	

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

be, onc

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

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11-24-99

Represents four pages of withheld information.

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

DEC 0 7 19 9. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

1. REGISTRATION NO. 57R-0003

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY.....

(TYPE OR PRINT)

include Zip Code) Emory University

1440 Clifton Rd., N.E. Suite 400 Atlanta, GA 30322

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

See Attached

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or curgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate enesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F. TOTAL NO. OF ANIMAL (Cols. C + D + E)
4. Dogs	32	7	244	0	251
5. Cats	22	0	68	0	68
6. Guinea Pigs	0	16	100	0	116
7. Hamsters	0	20	0	0	20
8. Rabbits	0	260	458	0	718
9. Non-human Primates	645	65	2808	0	2873
10. Sheep	0	·0	0	0	0
11. Pigs	. 0	0	477	0	477
12. Other Farm Animals	0	0	0	0	0
-	-	- 14 			-
13. Other Animals	-	-		<u>-</u>	-
Vole	0	571	273	0	844
		-			_
	_	-	_	=	-

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

## CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATION OF CEA OF INSTITUTION

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

This page represents four pages of 64 information withheld in full.

## UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

# 2. HEADQUARTERS RESEARCH FACILITY

2311S FORM APPROVED

OMB NO. 0579-0036

## ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

University of California, Los Angeles Division of Laboratory Animal Medicine 630 C. E. Young Drive So. Room 1V-211 CHS Los Angeles, CA 90095-1718

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

include Zip Code)

**FACILITY LOCATIONS (Sites)** 

Center for the Health Sciences (multiple areas

Psychology Vivarium

Life Sciences Vivarium

Warren Hall Vivarium

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	65	0	65
5. Cats	0	66	12	0	78
6. Guinea Pigs	5	59	42	594	695
7. Hamsters	0	0	10	0	10
8. Rabbits	7	425	945	0	1370
9. Non-human Primates	0	0	28	0	28
10. Sheep	11	18	61	0	79
11. Pigs	11	. 1	469	0	470
CALF 12. Other Farm Animals	0	0	14	<b>0</b>	14
CHICKEN	0	42	0	0	42
13. GHINCHILLA	0	0	67	0	67
DEER MICE	0	103	0	0	103
DUCK	0	0	2	0	2
FERRET	0	0	6	TO FOR WELL	6

**ASSURANCE STATEMENTS** 

nalgesic, and tranquilizing drugs Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of animals, including appropriate use of animals. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility 2 6 339

2). Each principal investigator has considered alternatives to painful procedures

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this animal report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of unimals affected

4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequace animal care and use

## CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIV

FICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

76)(6) 4(6)(7)(() 1

## 93R0435

## E. Explanation:

Project Title:

Efficacy of Gallium as Therapeutic Agent in Tuberculosis (Subcontract), 98-140

Species:

Guinea Pigs - Hartley

# Of Animals Used:

534

Description: Justification:

104

Project Title:

Mechanisms of Signal Gating within Sensory Ganglia, 97-035

Species:

Guinea Pigs - Hartley

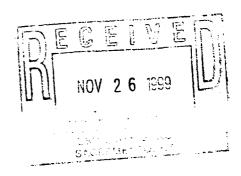
# Of Animals Used:

60

Description:

64

Justification:



0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1123

1. REGISTRATION NO. 93-8-0262

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

HTT BIO Services, Inc. 10326 Roselle St. San Diego, CA 92121

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

10326 Roselle St., San Diego, CA

92121

9894 Genesee Ave La Jolla, CA

26578 Old Julian HWY, Santa Ysabel, CA

REPORT OF ANIMALS USED BY	OR UNDER CONTROL OF	9207 FRESEARCH FACILITY		cessary or use APHIS FORM 7023A.)	<del></del>
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research.	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs		25	80	53	158
5. Cats					
6. Guinea Pigs			56		56
7. Hamsters					
8. Rabbits		60	97		157
9. Non-human Primates					
10. Sheep		2	44		46
11. Pigs goats 12. Other Farm Animals		9	130	89	228
13. Other Animals					
-					
				<u> </u>	

1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2). Each principal investigator has considered alternatives to painful procedures.

3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this animal report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and our part of animals attended.

4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other espects of animal care and use.

(Chief Executive Office	ADQUARTES RESEARCH FACILITY OFFICIAL Por telepolicity of the policy of t
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) 90 DATE SIGNED

**ASSURANCE STATEMENTS** 

NOV | 8 1999





93R0262

Nov 8, 1999

USDA - Animal and Plant Health Inspection Services 9580 Micron Avenue, Suite J Sacramento, CA 95827-2623

To Whom it May Concern,

The following is a more in depth explanation of the procedures producing pain or distress to animals listed in the E category:

Six canines were used to determine the cardiovascular effects of test article in conscious animals. Animals were anesthetized and instrumented with catheters to measure venous and arterial pressures, a flow probe to measure cardiac output, and ECG leads to measure cardiac rhythm. The animals recovered following the instrumentation surgery, and were studied in the conscious state, since conscious animals are more representatives of the responses, which might be observed in conscious humans. All surgical studies were conducted under sterile conditions with anesthesia.

Forty canines were used in a toxicity study. No concurrent medicines were allowed due to interference with the test article in the study.

Seven canines were used to evaluate the feasibility of intraprostatic electroporation. This was conducted under sterile conditions with anesthesia.

All 89 swine were used in a sterile surgical study that involved recovery of the animals. Analgesics were administered throughout the study.

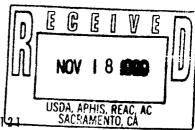
All animals were placed in this category due to unknown effects of the novel test articles being used, and were under supervision of a veterinarian throughout the studies.

Please contact me if there are any further questions.

Sincerely,

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Per forecom we ver letter bilow-up for larify mx



UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Cade)

"NORTHVIEW PACIFIC LABORATERIES 2800 SEVENTH STREET BERKELEY, CA 94710

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

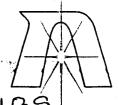
3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)

NVP, BERKELEN	1, CA 947	(0			
NVP, BERKELEN (Sanz 95 =	<i>‡</i> 2)			,	
REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY IA	Mtach adiditional sheets if ne	cessury or use APHIS FORM (023A)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate aneitheric, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs	192	4652	0	2678	7330
7. Hamsters					
8. Rabbits	176	3741	518	0	4259
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
ASSURANCE STATEMENTS	L			(C) (2 (2) (3 (3 (4) (5)	
Professionally acceptable stand following actual researce					norid, during,
2). Each principal investigator h	nas considered alternati	ves to painful procedures	· ·	7	
principal investigator and ap	oproved by the Institution	anat Aminal Care and Use	: Committee (IACUC). A sum	is to the standards and regulations be specified and explainary of all such exceptions is attached to this annual exceptions, as well as the exceptions.	il repuirt. In
The attending vetermarian to animal care and use.	or this research facility l	has appropriate authority	to ensure the provision of ac	USDA, 42HIS, REAC AC tequale veterinary care and to overse meaning unity of or	her as ledts of
	(Chief Ex	ecutive Officer or	UARTES RESEARC Legally Responsible te, correct, and complete (7 U	H FACILITY OFFICIAL Institutional Official) 25 C Section 2143)	
SIGNATURE OF C. E.O. DR INSTITU	TIONAL OFFICIAL	<u> </u>	NAME & TITLE OF C.E.O.	OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
	06,670		b6,	670	11/29/99

# Northview Pacific Laboratories, Inc.

2800 Seventh Street & Berkeley, CA 94710 & 510/548-8440 & Fox 510/548-5425



93R 018

USDA Registration Number: 93-R-0189

Robert M. Gibbens, D.V.M. Director, Animal Care USDA, Western Region 9580 Micron Avenue, Suite J Sacramento, CA 95827

November 29, 1999

Dear Dr. Gibbens:

Northview Pacific Laboratories, Inc. is an AAALAC accredited animal facility dedicated to the humane care and use of laboratory animals.

Northview's Institutional Animal Care and Use Committee (IACUC) meets two-to-four times per year in order to review ongoing experimental procedures involving animals and to vote on any new proposals for procedures involving animals. Twice a year, at six month intervals, the IACUC audits the company's animal care program for compliance with the Animal Welfare Act, and conducts an inspection of the company's animal facility. The IACUC submits a report to the company's Institutional Official noting any changes to the company's animal care program, any areas of noncompliance with AWA regulations, any problems or deficiencies that require corrective action, as well as any suggestions for future consideration.

Northview's IACUC assures that our program is in compliance both with the AWA and the NIH Guide for the Care and Use of Laboratory Animals.

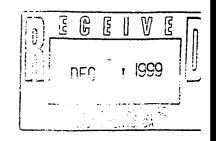
64

Test Procedure

References

64

64





(bH)

Thank you for your attention to our Annual Report.

Sincerely,

(b/b) (b/n/c)

Encl.





See reverse side for - additional information.

Interagency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE -ANIMAL AND PLANT HEALTH INSPECTION SERVICE

NOV 22

42-R-0001

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

DIAMOND AN HEALTH INC 2538 SE 43RD ST

DES MOINES, IA 50317

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) FACILITY LOCATIONS (Siles) Quality Control Dept. 2538 SE 43 nd St Desnumer to 50317. Diamond human Health Rossarch farm Carlisle Ia 5004 REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.) B. Number of Number of E. Number of animals upon which teaching. D. Number of assimals upon animais being animals upon experiments; research, surgery or tests were which experiments, **Animals Covered** bred,- . which leaching, conducted involving accompanying pain or distress leaching, research, By The Animal conditioned, or research. to the animals and for which the use of appropriate surgery, or lesis were TOTAL NO Wellare Regulations held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would conducted involving OF ANIMALS leaching, testing, lesis were have adversely affected the procedures, results, or accompanying pain or experiments, interpretation of the leaching, research, conducted distress to the animals. research, or involving no experiments, surgery, or tests. (An explanation of and for which appropriate (Cols. C -D + E) surgery but not yet used for such pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or use of painanimals and the reasons such drugs were not used tranquilizing drugs were purposes. relieving drugs. must be attached to this report). used. 4. Dogs Cats Guinea Pigs Hamsters 519 Rabbits Non-human Primates 10. Sheed Pigs 11. 12. Other Farm Animals 13. Other Animals \_ **ASSURANCE STATEMENTS** 

U: JU

include Zip Code)

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analysis, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- .4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

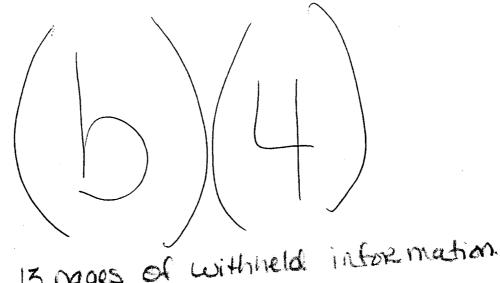
## CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

11-12-0



Represents 13 pages of withheld information

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

71-R-0014

FORM APPROVED OMB NO. 0579-0036

16 ES

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

DEC

GIC Redfield Laboratories

100 Fast Roome

P.O. Box 308

Redfield, AR:72132

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

24

#### FACILITY LOCATIONS (Sites)

GTC Redfield Laboratories 100 East Boone/P.O. Box 308 Redfield, AR 72132

Animals Covered Ey The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-refieving drugs.	Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E Number of animals upon which feaching, experiments, research, surgery or fests were conclucted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	27	177		77	249
5. Cats					239
6. Guinea Pigs		375		10	385
7. Hamsters					
B. Rabbits		873		. 87	960
9. Non-human Primates	9	64		2	66
10. Sheep					
11. Pigs	1	33	38	8	79
12. Other Farm Animals	•				
13. Other Animals					•
-					
				<u> </u>	
			:		71

#### **ASSURANCE STATEMENTS**

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

## CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

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blo, bic

11/18/19

71 R 0014

# Attachment to 1999 USDA Annual Report of Research Facility GTC Redfield Laboratories Registration Number 71-R-014

Redfield Laboratories is a division of Genzyme Transgenics Corporation (GTC). Redfield Laboratories is a general toxicology facility and one of the five GTC pre-clinical toxicology testing laboratories in the United States with the toxicology testing expertise needed to meet EPA, OECD, FDA, and Japanese regulatory requirements. Redfield Laboratories performs toxicology and pharmacology testing of drugs, medical devices, consumer products, agricultural and industrial chemicals, veterinary products, petrochemicals, and phytochemicals.

Individual research projects were classified in Column E on the accompanying report. These studies involved the administration of test articles to animals by a variety of routes. Under the procedures specified in each of the research protocols, many of the animals probably have been subjected to more than momentary or slight pain and distress since these studies were performed to determine the potential toxicity of test articles. All of these protocols were approved by Redfield Laboratories' Institutional Animal Care and Use Committee (IACUC) and no anesthetic, analgesic, or tranquilizing drugs were used during the conduct of the studies since these drugs could potentially adversely affect the results and/or interpretation of the studies. However, to prevent unnecessary pain and suffering, animals were closely monitored by the attending veterinarian, technical and animal care staff, and animals determined to be severely compromised and/or moribund were humanely euthanized.

Explanation of procedures resulting in a Column E classification:

Individual research studies were conducted with the animals in column E. These studies involved the administration of test articles to animals by various routes of exposure: oral (capsule or gavage), intradermal, subcutaneous or intravenous injection, dermal or ocular application. Under the procedures specified in the research protocols, animals were probably subjected to more than momentary or slight pain and distress, since these studies were performed to determine the potential toxicity of test articles. The use of drugs to relieve pain or distress would compromise these studies for the following reasons: 1) signs elicited by exposure to the test article could not be masked since the study objectives were to obtain and document toxic responses; 2) an analgesic drug may affect the metabolism or other actions of the material under test and thereby affect the research results; 3) it was not practicable to treat only affected animals because such treatment may affect response to the test material in unforeseen ways and preclude comparison with other, non-treated animals. To prevent unnecessary pain and suffering, any animals determined to be severely compromised and/or moribund were humanely euthanized upon approval of the Study Director or the attending veterinarian. All of the studies were conducted for clients/sponsors with reported results and conclusions to be submitted to various regulatory agencies to support applications for product approval.

Briefly listed are the **Column E** studies involving the animal species covered by the Animal Welfare Act (AWA) which were conducted during the period of October 1 through September 30 at Redfield Laboratories. See attached:

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1 REGISTRATION 10003 SOR DODE

FORM APPROVED OMB NO 0579-0006

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Code) Intervet Inc. 405 State Street P.O. Box 318

Millsboro, DE 19966

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary )

FACILITY LOCATIONS (Siles) See Attached

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or fests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs		268	45	6	319
5. Cais		444	72	32	548
6. Guinea Pigs		134	121		255
7. Hamsters		1980		2020	4000
8. Rabbits		60	773		833
9. Non-human Primates					
10. Sheep					
11. Pigs		3675	328		4003
12. Other Farm Animals					
13. Other Animals					

### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the cure, treatment, and use of animals, including appropriate use of aniesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Annual Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animal affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of ammal care and use

(Chief Executive Officer or I	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) c correct, and complete (7 USC Section 2143)	
SIGNATURE OF C.E.O. OR INSPITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type in Pinit)	DATE SIGNED
66,67c	66,670	11/30/99

USDA Reporting Category E - 1999

Please find entries in column "E" fully explained in the following statements.

64

THE INFORMATION GIVEN IN THIS DOCUMENT IS PROTECTED FROM PUBLIC DISCLOSURE AS A TRADE SECRET UNDER THE FREEDOM OF INFORMATION ACT. IT CONTAINS UNPUBLISHED RESULTS OF PRIVATE RESEARCH WHICH ARE USED IN OUR BUSINESS AND WHICH GIVES US AN OPPORTUNITY TO OBTAIN AN ADVANTAGE OVER OUR COMPETITORS WHO DO NOT KNOW OR USE IT.

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 22-R-0028

FORM APPROVED OMB NO. 0579-0036

OMB NO. 0579-0036

CERS RESEARCH FACILITY (Name and Address, as registered with USDA 2. HEADQUARTERS include Zip Code)
Bristol-Myers Squibb Company

P.O. Box 4000

PO Box 1059

Status: Active

Princeton, NJ 08543-4000

NOV 29 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Siles)

See Attached

PENNINGTON, NJ

Facility Site #4

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and lor which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs	5				0
5. Cats	0		the state of the s		0
6. Guinea Pigs	0		·		0
7. Harnsters	0				0
8. Rabbits	0 2 2		e, and Ville Alexander	10.1884	0
9. Non-human Primates	64				0
10. Sheep	. 0				0
11. Pigs	0		and the second		· 0
12. Other Farm Animals	0				0
13. Other Animals	0				
10. Out Aminus	,				
	<del>                                     </del>			·	

#### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Annual Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In principal investigator and approved by the institutional number due and ose committee income. A duminary of an addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL  (Chief Executive Officer or Legally Responsible Institutional Official)  I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)				
SIGNAT (W)(6) - JAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED		
(by)(c)	[(b)(6) + (b)(7)(c)	10/29/91		

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

(b)(4)

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See reverse side for additional information Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

(TYPE OR PRINT)

1. REGISTRATION NO.

22-R-0009

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USOA include Zip Code)

ANNUAL REPORT OF RESEARCH FACILITY

Novartis Pharmaceuticals Corporation

Novartis Pharmaceuticals Corporation 59 Route 10 East Hanover, New Jersey 07936

519

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary)

FACILITY LOCATIONS (Siles)

East Hanover, Buildings 404 & 406

115 C 0 1 1999

Animals Covered By The Animal Wellare Regulations	8. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes	C Number of animals upon which leaching, research, experiments, or less were conducted involving no pain, distress, or use of pain-relieving druips	O Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	46	201	0	3	204
5. Cats	N/A	N/A	N/A	N/A	N/A
6. Guinea Pigs	N/A	N/A	N/A	N/A	N/A
7. Hamsters	N/A	N/A	N/A	· · N/A	N/A
8. Rabbits	0	612	0	66	678
9. Non-human Primates	411	278	0	18	296
10. Sheep	N/A	N/A	N/A	N/A	N/A
11. Pigs	N/A	N/A	N/A	N/A	N/A
12. Other Farm Animals	N/A	N/A	N/A	N/A	N/A
13. Other Animals	N/A	N/A	N/A	N/A	N/A

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approvale use of anesthetic, analgesic, and tranquilizing drings, prior to, during, and following actual research, feaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary inclines a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and rise.

(Chief Executive	BY HEADQUARTES RESEARCH FACILITY OFFICIAL  c Officer or Legally Responsible Institutional Official)  the above is true, correct, and complete (7 USC Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL  BLO, DPC	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL 17, per of Prints	DATE SIGNED

APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolute )

Represents 14 pages of withheir information.

additional information

Interagency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

ROOL

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code) Novartis Corporation Pharmaceuticals Division 556 Morris Avenue

> Summit, NJ 07901 Status: Active

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

Summit - Buildings 130 & 133

Date 10/1/98 - 9/30/99

See Attached

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL:  (Cols. C + D + E)
4. Dogs	12	24 -	40	-	64
5. Cats	_		_	-	-
6. Guinea Pigs	_	30	15	75	120
7. Hamslers		_	234	-	234
8. Rabbits	20	_	709	73	782
9. Non-human Primates	48	12	114		126
10. Sheep	_	_	_	_	-
11. Pigs	3	_	54		54
12. Other Farm Animals					
Goats	-	<del></del>	48		48
13. Other Animals					
				0FC 0.3 1999	

#### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

Figerbily that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )

Interagency Report Control 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRAZION NOO7 2R000

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Galcher-Lambert Company

Pharmaceutical Research Div.

201 Tabor Road

Morris Plains, NJ 07950

Status: Active

DEC 0 1 1999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Siles)

Parke-Davis Pharmaceutical Res. Div. See Attached 2800 Plymouth Road Ann Arbor, MI 48105

A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquitizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (COIS. C + D + E)
4 Door	34	162	154	0	350
4. Dogs	0	0	0	0	0
5. Cats	0	10	86	0	96
6. Guinea Pigs	0	162	0	0	162
7. Hamsters	0	1514	1408	24 <sup>D</sup>	2946
8. Rabbits	29	352	30	41 <sup>A</sup> ,B,C	452
9. Non-human Primates	·	0	. 0	0	0
10. Sheep	0		12	0	29
11. Pigs	17	0	1.2		
12. Other Farm Animals			-		
13. Other Animals	·				
	<u> </u>				

## ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during. and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility
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- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of anunal care and use

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	ATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
-cfrtific	ATION BY HEADQUARTES RESERVOIT
Canteria	
(Chias F	xecutive Officer or Legally Responsible Institutional Official)
(Cnici E	Techtive officer or respective

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

NAL OFFICIAL SIGNAT!

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) 6)(6)+(6)(7)((

M. VKI 4/6/17/

Represents two pages of witheld information.

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

See Attached

1. REGISTRATION NOD79 ROO

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip CodeloSite, Inc.

215 First Street P.O. Box 236 Cambridge, MA 02142 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

DEC 0 1 1999

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs	4	1,930	1,079	220	3,229
7. Hamsters			20		20
8. Rabbits				·	
9. Non-human Primates					
10. Sheep					
11. Pigs		- <u></u>			
12. Other Farm Animals					-
13. Other Animals					

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIA	I,
(Chief Executive Officer or Legalty Responsible Institutional Official)	

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

66,67C

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

66,6°C

DATE SIGNED



November 29, 1999

Dr. Elizabeth Goldentyer Director – Animal Care Eastern Region 920 Main Campus Drive Suite 200 Raleigh, N.C. 27606

DEC 01 1959

Dear Dr. Goldentyer:

(b)(4)

(b)(6) +(b)(7)(c)

everse side lor auditional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

1. REGISTRATION NO.84 13 ROO

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Connaught Laboratories, Inc.

REERSELX 

Status: Active

Discovery Drive Swiftwater, PA 18370

NOV 1 5 1999

(TYPE OR PRINT)

See Attached

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) FACILITY LOCATIONS (Sites)

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompunying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	TOTAL NO. OF ANIMAL: (Cols. C + D + E)
4. Dogs					0
5. Cats					0
6. Guinea Pigs		2554		1668	4222
7. Hamsters					
8. Rabbits		394			394
9. Non-human Primates					0
10. Sheep					0
11. Pigs					0
12. Other Farm Animals					0
13. Other Animals					_0

## ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and II has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL.  (Chief Executive Officer or Legally Responsible Institutional Official)  I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)					
SIGNATURE OF CE.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED			
ble, bnc -	blabre	11/8/99			

ble, bnc

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATADE 10082 1478-0082

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

See Attached

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip FOMP's-New England Medical Center, 171 Harrison Avenue, NEMC #112

2nd Floor South Boston, MA 02111 Status: Active

(AR)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

NFI: 0 1 1999

A.  Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and lor which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs			86	22	108
5. Cats		2	. 3		5_
6. Guinea Pigs		70	29	10	109_
7. Hamsters			16		16
8. Rabbits		11	125		136
9. Non-human Primates					0
10. Sheep			29		29
11. Pigs			185		185
12. Other Farm Animals					
HORSE / COW		1/1			1 horse
13. Other Animals					
	·				

## **ASSURANCE STATEMENTS**

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures

NSTITUTIONAL DEFICIAL

- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL	۱.
(Chief Executive Officer or Legally Responsible Institutional Official)	

Ecertify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) ) (b)(7)(C)

DATE SIGNED

30 Nov 99

**APHIS FORM 7023** (AUG 91)

SIGNATURE O

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

## TUFTS-NEW ENGLAND MEDICAL CENTER, INC.

Division of Laboratory Medicine

NEMC #112 171 Harrison Avenue, Boston, Massachusetts 02111 Phone: (617) 636-5611 Fax: (617) 636-0494

14R0082

An Association of New England Medical Center and Tufts University Schools of Medicine, Dental Medicine, Veterinary Medicine and Sackler Biomedical Sciences

29 November 1999

Elizabeth Goldentyer, DVM Director, Animal Care APHIS Eastern Regional Office 920 Main Campus Drive Suite 200, Unit 3040

Raleigh, NC 27606

Subject:

Annual Report of Research Facility for 1 Oct 1998 through 30 Sept 1999

DEC 0 1 1999

Registration # 14-R-0082

Dear Dr.Goldentyer:

Enclosed please find our annual statistical report pertaining to research activities at Tufts-New England Medical Center. The uses of animals reported in the category corresponding to USDA Category E (animal pain &/or distress without alleviation) are explained in the following sections.

(b)(4)

(6)(4)

Please contact me at required.

if any additional explanation regarding our 1998-99 report is

Sincerely,

-(b)(6)+(b)(7)(c)

(b)(6) +

(b)(7)(c)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

**ANNUAL REPORT OF RESEARCH FACILITY** 

(TYPE OR PRINT)

1. REGISTRATION NO065

FAPPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Tutts University

200 Westboro Road

-58-S<del>: Royalston Road</del> -North Grafton, MA 01536

Status: Active

sheets if necessary.)	SEE ATTACHED		
0 444-4		FACILITY LOCATIONS (Siles)	<u> </u>
See Attached			
			(15)°
			087.40//

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-refleving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs	0	20	31	0	51
5. Cats	0	0	00	0	0
6. Guinea Pigs	0	0 .	72	0	72
7. Hamsters	0	2	0	0	2
8. Rabbits	0	1	2	0	3
9. Non-human Primates	0	0	0		0
10. Sheep	0	0	18	0 (6)/6)	18
11. Pigs	0	. 0	129	212 (5)(7)(7)	341
Horses 12. Other Farm Animals	0	1	9	0	10 1
Cattle	0	0	52	V24	X16
Goats 13. Other Animals	0	97	3	0	100
					*
				·	

## ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility,
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

~ (b)(6) & (b) h)(c)

(b)/6) + (b)/7)(c)

11/24/99

**APHIS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

RT 1 - HEADQUARTERS



### TUFTS UNIVERSITY

### School of Veterinary Medicine

Division of Laboratory Animal Medicine

Tufts University School of Veterinary Medicine 200 Westboro Road, North Grafton, MA 1999 Annual Report of Research Facility Registration No. 14-R-0065

Explanantion for the "number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests."

Twenty-four calves were used to produce large numbers of *Cryptosporidium parvum* oocysts for use in several research programs. Cell culture techniques do not produce significant numbers of organisms necessitating the *in vivo* model for propagation. Four days after oral inoculation, the calf develops diarrhea and begins to shed oocysts. For approximately 10 days during collection of oocysts, the calf may experience some discomfort or distress caused by the self-limiting diarrhea. During this time, the calf is closely monitored at least 3 times daily and usually maintains normal appetite, activity level, and hydration status. Calves are euthanized approximately 10 days after the onset of clincial signs as the level of oocyst shedding declines. Since shedding of large numbers of oocysts is dependent on the development of diarrhea, antidiarrheal agents and motility modifiers cannot be administered to the calves. Although not expected, calves developing significant signs of distress, including dehydration, depression, or anorexia are euthanized immediately.

Two hundred and twelve piglets were used to study various enteric pathogens including cryptosporidia, microsporidia, Escherichia coli, Clostridium difficile, and Candida albicans. Piglets may develop moderate diarrhea after oral inoculation and may experience some discomfort or distress caused by the diarrhea for the duration of the 7-21 day experimental infection. Antidiarrheal treatments cannot be administered in order to study the progression of the disease. Piglets are closely monitored at least 3 times daily and those developing significant signs of distress, including dehydration, depression, or anorexia are euthanized immediately.

### USDA Registration No. 14-R-0065

Site:001 Status: Active	TUSVM Division of Teaching & Research Resources Peabody Pavillion 200 Westboro Road North Grafton, MA 01536 County: Worcester	Contact Person: ble1b1C
Site:001 Status: Active	TUSVM Division of Teaching & Research Resources Building 21 200 Westboro Road North Grafton, MA 01536 County: Worcester	Contact Person:
Site:001 Status: Active	TUSVM Division of Teaching & Research Resources Building 20 200 Westboro Road North Grafton, MA 01536 County: Worcester	Contact Person:
Site:001 Status: Active	TUSVM Division of Teaching & Research Resources Isolation Trailers 200 Westboro Road North Grafton, MA 01536 County: Worcester	Contact Person:
Site:001 Status: Active	TUSVM Division of Teaching & Research Resources Goat Barns 1 & 2 200 Westboro Road North Grafton, MA 01536 County: Worcester	Contact Person:
Site:001 Status: Active	TUSVM Division of Teaching & Research Resources ERIC Horse Barn 200 Westboro Road North Grafton, MA 01536 County: Worcester	Contact Person: 66,69C
Site:001 Status: Active	TUSVM Division of Teaching & Research Resources Wet Lab, LAH 200 Westboro Road North Grafton, MA 01536 County: Worcester	Contact Person:
Site:001 Status: Active	TUSVM Division of Teaching & Research Resources Building G024 200 Westboro Road North Grafton, MA 01536 County: Worcester	Contact Person:
Site:001 Status: Active	TUSVM Division of Teaching & Research Resources Beef Barn 200 Westboro Road North Grafton, MA 01536 County: Worcester	Contact Person:

UNITED STATES DEPARTMENT OF AGRICULTURE

ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT) .

See Attached

1. REGISTRATION NO 84

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
Advance Biofactures Corporation

35 Wilbur Street

Lymbrook, NY 11563 Status: Active

**NOT A FOLA DELETION** 

REPORTING FACILITY (List all locations where animals were housed or used in actual research, Jesting, leaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) 35 Wilbur Street, Lynbrook, NY 11563

FACILITY LOCATIONS (Siles)

PORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adminimal sheets if necessary or use APHIS FORM 7023A) B. Number of C Number of Number of animals upon which teaching. O. Number of animals upon animals upon animals being which experiments, experiments, research, surgery or tests were **Animals Covered** bred. which leaching, conducted involving accompanying pain or distress leaching, research, By The Animal conditioned, or to the animals and for which the use of appropriate research. surgery, or lests were Wellare Regulations held for use in TOTAL NO experiments, or anesthetic, analgesic, or tranquilizing drugs would conducted involving OF ANIMALS teaching, testing. have adversely affected the procedures, results, or lesis were accompanying pain or experim interpretation of the teaching, research, conducted distress to the aurnals research, or involving no experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these and for which appropriate (Cols. C + D + E) surgery but not pain, distress, or anesthetic, analgesic, or yet used for such use of painanimals and the reasons such drugs were not used Iranquikzing drugs were purposes. relieving drugs. must be attached to this report). Dogs Cats 80 80 Guinea Pigs 80 Hamsters Rabbits Non-human Primates Sheep . Pigs Other Farm Animals Mice 80 80 Other Animals URANCE STATEMENTS

The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of ammal care and use

(Chief Executive Officer or I certify that the above is tru	UARTES RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) n, correct, and complete (7 USC Section 2143)	(7)(()
ATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED

(b)(b) 4 (b) (1)(c)

M(b)16) + (b)(5)(c)

**IS FORM 7023** (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolute)

[(BX6)+(P)(7)(C)\_-

Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of aniesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility

Each principal investigator has considered alternatives to painful procedures

This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

# ADVANCE BIOFACTURES CORPORATION

35 Wilbur Street • Lynbrook, NY USA 11563-2358

21R0184

\*These animals are used in a safety test as outlined in the CFR 21.610.11.

The material injected subcutaneously has r(b) (4) — and must be heated to approximately 40°—45° C to facilitate injection into the test animal. This temperature causes discomfort to the animal for the first 24 hours. As requested by the FDA, the use of analgesics or tranquilizers are not allowed to be used because of the possibility of interfering with the results.

(6)(6) + (6)(7)(c)

**USA Office** 

Tel: (516) 593-7000

Fax: Office: (516) 593-7039 Fax: Lab: (516) 593-0626 European Office Tel: 49 5731-792155 Fax: 49 5731-792154 UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

33R0090

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
TOX Monitor Laboratories, Inc.

33 W. Chicago Avenue
5500 N. St. Louis Avenue

Oak Park, IL 60302 Status: Active

573

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) FACILITY LOCATIONS (Sites) See Attached REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS-FORM 7023A.) B. Number of C Number of Number of animals upon which teaching, D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments. bred, **Animals Covered** conducted involving accompanying pain or distress which leaching, leaching, research, to the animals and for which the use of appropriate By The Animal conditioned, or research. surgery, or lests were TOTAL NO. held for use in **Wellare Regulations** experiments, or anesthetic, analgesic, or tranquilizing drugs would conducted involving OF ANIMALS leaching, lesting, have adversely affected the procedures, results, or lesis were accompanying pain or experiments, conducted interpretation of the teaching, research, distress to the animals research, or involving no experiments, surgery, or tests. (An explanation of (Cois. C + D + E) and for which appropriate surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were purposes. relieving drugs. must be attached to this report). used Dogs Cats **Guinea Pigs** Hamsters 98 428 Rabbits 8. Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals 810 **ASSURANCE STATEMENTS** 

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional ()fficial)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

SIGNATURE OF CE O OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL Time or Print

11/9/99

(p)(p)+(p)+(p)+(c)

(b)(6) 2(b)(7)(C)

### TOX MONITOR LABORATORIES, INC. 33 West Chicago Avenue Oak Park, Illinois 60302

November 15, 1999

As per Section 2.36 (a), (1), (2), and (3), the following assurance are made.

 $\mathcal{A}_{i,n}$   $\star$ 

Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, surgery, or experimentation were followed by this laboratory. All animals use protocols were reviewed by the Institutional Animal Care and Use Committee (IACUC) to ensure that professionally acceptable standards are included. The attending veterinarian has reviewed these as a member of IACUC.

The study director has considered all possible alternatives to painful procedures.

The laboratory adheres to the standards and regulations set forth under the Animal Welfare Act (Act). Any exceptions to the standard and regulations must be specified and explained by the principal investigator and approved by the IACUC. Included below is an explanation to procedures conducted that may have produced some distress in which anesthetic, analgesic, or tranquilizing drugs were not used and the reasons these drugs could not be used.

As per Section 2.36 (b), (4), the location of animal facilities are at the reporting site only.

Description of procedures in which anesthetic, analgesic, or tranquilizing drugs are not used that may have produced some distress and the reasons such drugs were not used.

144 rabbits were used in if  ((b) (4) — where some limited pain or dis would have occurred as a consequence of exp All animals were euthanized immediately after pharmacotoxic observations are a vital part of t anesthetics would compromise the results.	osure, not during the dosing procedure. the study was completed. Since
$\frac{(b)(6) + \frac{11 15 59}{(b)(7)(6)}}{\text{TOX MONITOR LABORATORIES, INC.}}$	<u>S</u> te ≥ NOV ∘ ≥ 1999 BY:

reverse side for dional information

Interagency Report Control No 0180-DOA-AN

770

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRAJIONENBOO3

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Lilly and Company

Lilly Corporate Center P.O. Box 95

Indianapolis, IN. 46285 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentally on, Or held locations where purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles) See Attached

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompunying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL:  (Cols. C + D + E)
4. Dogs	229	330	211	32	573
5. Cats			4		4
6. Guinea Pigs		1682	1094		2776
7. Hamsters		12	24		36
8. Rabbits		1129	540	37	1706
9. Non-human Primates	70	109	42	2	153
10. Sheep					
11. Pigs		2			2
12. Other Farm Animals	·				
13. Other Animals					
Sand Rat			55 <sup>-</sup>		55
Gerbil		3591	646	459	4696

#### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICE	Al.
(Chief Executive Officer or Legally Responsible Institutional ()fficial)	

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

(b)(6) of b)(7)(c)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(b)(b)4(b)(7)(c)

11-12-99

### ATTACHMENT TO ANNUAL REPORT OF RESEARCH FACILITY

For the period of October 1, 1998 through September 30, 1999

Category "E" Experimentation

Eli Lilly and Company Indianapolis, IN 46285

Registration No. 32-R-003

Animals upon which experiments, research, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests.

**Species** 

Number of Animals

Explanation

Monkeys

2

Toxicology

These animals were used in the toxicological evaluation of drug candidates. In these studies the degree of toxicity was unexpectedly severe. In the case of one of these monkeys, test compound administration was suspended and supportive veterinary care was provided. The second animal was part of a group wherein compound administration was continued at a reduced dose. Despite careful study design, supportive care, and adjustments to study protocols, animals in toxicology studies used In the evaluation of new drug candidates may experience unanticipated events. These studies are required by U.S. and O.U.S. regulations and guidelines for animal studies to support human clinical trials; specifically CFR Volume 62, #227 and ICH M3.

Dogs

31

Diabetes Research

These dogs were used in studies of insulin formulations, insulin like analogs, and or other experimental compounds in development as potential therapies for diabetes.

(b)(4)

In the course of the experimentation the dogs' basal blood sugar is measured at intervals over a total time course of thirty hours. The dogs are not fed for twelve hours prior to the experiment and for the duration of the experiment itself for a total time period of up to 30 hours. These activities have been reviewed and approved by the Institutional Animal Care and Use Committee and have been observed by the veterinary staff. The dogs are under constant observation during the procedure, are given free access to water and their blood sugar is augmented by

intravenous dextrose injections if needed. The animals do not show clinical indications of 'distress'. They are reported here as required by Policy #11. There are no alternative models or experimental paradigms that replace measurement of basal blood glucose levels in higher mammals over time.

Pharmaceutical intervention with sedatives, tranquilizers or analgesics would have no effect on the animals well being but would invalidate the experimental objectives.

### Dogs

1

### **Toxicology**

g was used in the early toxicological evaluation o

This dog was used in the early toxicological evaluation of drug candidates. In these studies the degree of toxicity was unexpectedly severe. Test compound administration was suspended and the animal was provided with symptomatic veterinary care. Despite careful study design, supportive care, and adjustments to study protocols, animals in toxicology studies used In the evaluation of new drug candidates may experience unanticipated events. These studies are required by U.S. and O.U.S. regulations and guidelines for animal studies to support human clinical trials; specifically CFR Volume 62, #227 and ICH M3.

### Rabbits

37

### Cardiovascular Research

Rabbits are used in studies of compounds that have antithrombotic activity previously observed in in vitro test systems. In studies where agents are evaluated for oral bioavailability, the animal must be fasted for a period long enough to assure that the stomach is empty and that there would be no interference between ingesta and the absorption of the compound. In the rabbit this period has been determined to be up to forty six hours. These activities have been reviewed and approved by the Institutional Animal Care and Use Committee and have been observed by the veterinary staff The animals do not show clinical indications of 'distress'. They are reported here as is required by Policy #11. There are no alternative models or experimental paradigms that replace normal gastric emptying time in the rabbit. Pharmaceutical intervention with sedatives, tranquilizers or analgesics would have no effect on the animals' well being but would invalidate the experimental objectives as they have effects on gastrointestinal activity.

#### Gerbils

353

### Cardiovascular Research

These gerbils were used as an animal model of (b)(4) infarction (stroke) in search of therapies that could remedy the condition in man. The end point of the experimentation is histological changes (b)(4) and their modulation with experimental drug therapies. Some of the animals may exhibit subtle changes in behavior which are presumed to be associated with some degree of distress. Anesthetics, analgesics, tranquilizers or other drugs would mask, exacerbate, or otherwise alter neurological assessment and/or test compound effect and thus would adversely affect interpretation of the data.

Gerbils

106

Infectious Disease Research

Gerbils were used in evaluating potential therapies for bacterial otitis media. In these short term studies animals may experience febrile responses and/or middle ear discomfort. All compounds used in this experimentation are first tested in one or more in vitro systems and only those showing potential efficacy are used in animal models. The anatomy of gerbil ear drainage channels closely mimics the anatomy of the human ear making the animal uniquely suited to the study of this disease. Anesthetics, analgesics, tranquilizers or other drugs would mask, exacerbate, or otherwise alter behavioral assessment and/or test compound effect and thus would adversely affect interpretation of the data.

NOV ~ 9 105.3 ->

### ATTACHMENT TO ANNUAL REPORT OF RESEARCH FACILITY

For the period of October 1, 1998 through September 30, 1999

### **Exceptions to the Regulations and Standards**

Eli Lilly and Company Indianapolis, IN 46285

, NOV 9. 9. 1999

Registration No. 32-R-003

1. Identify the IACUC approved exception to the standards

Withholding of food (but not water) from animals for a period in excess of 24 hours. (Reference: 9 CFR3.54 (a)

2. Describe the IACUC approved exception to the standards

### Dogs:

These dogs were used in studies of insulin formulations, insulin like analogs, and or other experimental compounds in development as potential therapies for diabetes. The compounds in question are intended to regulate blood sugar over longer periods of time than the now currently marketed therapies. In the course of the experimentation the dogs' basal blood sugar is measured at intervals over a total time course of thirty hours. The dogs are not fed for twelve hours prior to the experiment and for the duration of the experiment itself for a total time period of up to 30 hours. These activities have been reviewed and approved by the Institutional Animal Care and Use Committee and have been observed by the veterinary staff. The dogs are under constant observation during the procedure, are given free access to water and their blood sugar is augmented by intravenous dextrose injections if needed. The animals do not show clinical indications of 'distress'.

#### Rabbits

Rabbits are used in studies of compounds that have antithrombotic activity previously observed in *in vitro* test systems. In studies where agents are evaluated for oral bioavailability, the animal must be fasted for a period long enough to assure that the stomach is empty and that there would be no interference between ingesta and the absorption of the compound. In the rabbit this period has been determined to be up to forty six hours. These activities have been reviewed and approved by the Institutional Animal Care and Use Committee and have been observed by the veterinary staff The animals do not show clinical indications of 'distress'.

3. Species of animal used

Dog Rabbit

4. Number of animals used

Dog: 31 Rabbit: 37

## ATTACHMENT TO ANNUAL REPORT OF RESEARCH FACILITY

For the period of October 1, 1998 through September 30, 1999

### Sites and Locations and Listing

Eli Lilly and Company Indianapolis, IN 46285

Registration No. 32-R-003

This institution has been designated by the Agency as a single "site". The animal care and use facilities within this site designation are in multiple buildings in two locations.

- Eli Lilly and Company, Lilly Corporate Center, Indianapolis, Indiana 46285
- · Lilly Research Laboratories, 2001 West Main Street, Greenfield, Indiana 46140

Any requests for information or access to the site should be made through the Corporate Center location.

NOV 2 2 1999

See reverse side for additional information. Interagency Report Control No 0180-COA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

74-R-0072

FORM APPROVED OMB NO. 0579-0036

2. HEADOUARTERS RESEARCH FACILITY INAMe and Address, as registered with USDA include Zip Codel

### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

UT SW MED CENTER-DALLAS 5323 HARRY HINES BLVD 6900 NW LOOP 1604 W DALLAS, TX 75235-9037



3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, lesting, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)

Record Crossing Facility See Attached

VA Medical Center

Rogers (MRO) Facility

Callier Center

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred,— conditioned, or held for use in leaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, . leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the feaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMAL:  (Cois. C +  D + E)
4. Dogs		0:	23	0	23
5. Cats		0	126	0	126
6. Guinea Pigs		34	0	0	34
7. Hamsters		9	387	1	397
8. Rabbits	18	921.	713	106	1740
9. Non-human Primates					
10. Sheep		4	29		33
11. Pigs		0	45	0	45
12. Other Farm Animals					
Goats		0	82	0	82
13. Other Animals					02
Frogs		272	166	0	438
Shrews		0	10	0	10
ASSURANCE STATEMENTS					-

- 1). Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during. and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Conmittee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

CICHATIRE OF G.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

(6)(7)(6)

Represents two pages of withheld influentation

e reverse side for Juditional information Interagency Report Control No. 0180-00A-AN

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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NYOSS

21R0088

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Farizer, Inc.

Central Research Division 235 East 42nd Street New York, NY 10017 Status: Active

NOV 1 9 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, Jesting, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

See Attached

FACILITY LOCATIONS (Siles)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach admittional sheets if necessary or use APHIS FORM 7023A.)					
A.  Animals Covered By The Animal Welfard Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or tests were conducted involving accompunying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	130	1827	390	70*	2287
5. Cats	0	52	148	3*	203
6. Guinea Pigs	0,	1012	2658	212*	3882
7. Hamsters	0	3081	125	647*	3853
8. Rabbits	0	910	948	16*	1874
Non-human Primates	130	818	200	70*	1088
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
					<del>                                     </del>
13. Other Animals		<u> </u>	_	1071	110
14. Ferrets	0	0	12	107*	119
15. Gerbils	0	430	1416	0	1846
*See Attachment	for Explanat:	on			

ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Art, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this commany included a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Legally that the above is true, correct, and complete (7 USC Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

ble bac

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

ble, bnc

DATE SIGNED

11/17/99

### USDA Annual Report of Research Facility USDA APHIS Form 7023 Registration #21-R-0088

NOV 1 9 1999

ADDENDUM A

### FACILITY LOCATIONS:

Pfizer Central Research Eastern Point Road Groton, CT 06340 County: New London

Pfizer Animal Health Research 9303 S. Carlisle Street Terra Haute, IN 47802 County: Vigo

### Summary of IACUC Approved Exceptions Permitted By the Standards and Regulations For The 1998-1999 Annual Report of Research Facility, #21-R-0088 Pfizer Central Research Division Groton, CT

### Pain/Distress Exceptions

Each of the following Animal Care and Use Procedures (ACUP) involved studies in which animals could have experienced pain and/or distress. The test substances being evaluated are novel compounds; consequently, data on how these compounds react in the animal model and with other chemical entities is very limited or non-existent. Therefore, the use of analgesics or other pain-relieving agents could defeat the objectives of the research by directly interfering with the end point parameter being measured. This interference could give results that are not reliable which would lead to repeating the studies, thus requiring the need to use more animals For this reason, an exception was granted by the Institutional Animal Care and Use Committee (IACUC) for each. Any incident of pain or distress was limited in duration to that scientifically necessary. In actual practice, many animals involved in such studies were not observed by the investigator to experience pain and/or distress.

	ACUP #1223, 1263	Species:	Dogs
(0)/4)->	/or distress based on inv		P used 42 animals of which 20 animals showed signs of pain and rations.
	ACUP #1292	Species:	<u>Dogs</u>
(6)(4)->	signs of pain and /or dis		This ACUP used 28 animals of which 14 animals showed nvestigator observations.
	ACUP #10008	Species:	Dogs
(by4)->	signs of pain and /or dis	tress based on i	This ACUP used 96 animals of which 30 animals showed nvestigator observations.
	ACUP #1250:	Species:	Guinea pigs
(6)(4)->	pain and/or distress base	ed on investigat	→ This ACUP used 205 animals of which all showed signs of or observations.
	ACUP #1126	Species:	<u>Hamsters</u>
(b)(4)->	T distress based on investig		35 animals of which 14 animals showed signs of pain and /or ns.
	ACUP #1093, 10215	Species:	<u>Hamsters</u>
(PXA)->	This ACUP use on investigator observation		of which 633 animals showed signs of pain and /or distress based

Facility #21-R-0088 IACUC Exceptions 1998-1999 Attachment 1

NOV 1 9 1999

	ACUF #1175.	<u>opecies.</u>		
ioly z	distress based on inves	This ACUP us	sed 53 animals of which all ions.	animals showed signs of pain and /o
•-	ACUP #10158:	Species:	<u>Ferrets</u>	
りがイフ	animals of which all a	nimals showed s	igns of distress based on in	This ACUP used 54 vestigator observations.
			Other Exemptions	
	ACUP #0361	Species:	<u>Dogs</u>	
(15)47				→ 1. During this reporting period, th
	ACUP used 67 animal	<b>s.</b>		
<b></b>	ACUP #0374	Species:	<u>Dogs</u>	
٢				
41-7				Uuring this
	reporting period, this	ACUP used eigh	nt animals.	

#### Attachment 2

### Explanation For Animals Listed In Category E - APHIS Form 7023 For The 1998-1999 Annual Report Of Research Facility, #21-R-0088 Pfizer Central Research Division

Groton, CT

Testing of proprietary compounds is conducted in animals to discover new human therapeutics and in response to federal regulatory requirements for safety evaluation of pharmaceuticals prior to human clinical trials. There are similar requirements prior to clinical trials of animal health products in food animals and companion animals. On occasion, the proprietary compounds cause unexpected pain or distress which can not be foreseen, but which is nevertheless considered during the IACUC's review/approval process. Frequently, the use of pain relieving drugs is not scientifically appropriate in product safety assessment. These studies are designed in accordance with the safety testing guidelines described in the following publications: the Code of Federal Regulations (CFR, 1988), Title 16, Subchapter C [Federal Hazardous Substances Act (FHSA) Regulations], Part 1500 (Hazardous Substances and Articles: Administration and Enforcement Regulations); and the Code of Federal Regulations (CFR, 1992), Title 49, Parts 173.136 (Test for Corrosive Materials) and 173.132 (Test for Toxicity by Skin Absorption) for the testing of materials according to the Department of Transportation (DOT) regulations; the Code of Federal Regulations (CFR, 1995), Title 21, Chapter I, Part 58 (Good Laboratory Practices for Nonclinical Laboratory Studies). There are also occasions when pain relieving drugs cannot be used in drug discovery studies. In the following cases, pain relieving drugs were not used because they would have adversely affected the scientific validity of the study. Any incident of pain or distress was limited in duration to that scientifically necessary. The numbers provided below reflect animals that experienced unrelieved pain and/or distress and were identified in the ACUP exceptions described in Attachment 1. Also identified below with \*, are animals that experienced pain/distress due to an unexpected compound or procedure reaction.

Spe	cies	Number Affected	Incident
1.	Dogs	1	Compound Reaction/Systemic*
2.	Dogs	2	Compound Reaction/Central Nervous System*
3.	Dogs	3	Compound Reaction/Emesis*
4.	Dogs	14	Procedure Reaction/Arthritis
5.	Dogs	30	Procedure Reaction/Gastroenteritis
6.	Dogs	20	Procedure Reaction/Anxiety-Distress
	Cats	3	Procedure Reaction/Cardiovascular*
8.	Guinea pigs	205	Procedure Reaction/Anxiety-Distress
9.	Guinea pigs	7	Compound Reaction/Musculoskeletal*
10.	Hamsters	633	Procedure Reaction/Infectious Disease Model
	Hamsters	14	Procedure Reaction/Respiratory
	Non-human primates	s 70	Compound Reaction/Emesis*
	Rabbits	8	Compound Reaction/Central Nervous System*
		8	Compound Reaction/Systemic*
	Rabbits	107	Compound Reaction/Emesis
15.	Ferrets	107	Composite Macada,

### UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

<del>see Attached</del> l Veterinary Technology Center

Oct 1, 1999 - Sept. 30, 2000

1. REGISTRATION NO.	ر ک	IR	0029
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FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
LaGuardia Community College

31-10 Thomson Avenue 235 East 42nd Street Long Island City, NY 11101

Status: Active BY:\_\_\_\_

. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these	purposes.	Attach additional
sheets if necessary.)		
FACILITY LOCATIONS (Siles)		

31-10 Thomson Avenue Long Island City, NY 11101 REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM 7023A.) Number of animals upon which teaching, D. Number of animals upon B. Number of C Number of experiments, research, surgery or tests were animals being animals upor which experiments, conducted involving accompanying pain or distress bred. which leaching, **Animals Covered** teaching, research, to the animals and for which the use of appropriate OM LATOT conditioned, or research. surgery, or tests were By The Animal anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS held for use in experiments, or conducted involving Welfare Regulations have adversely affected the procedures, results, or interpretation of the teaching, research, teaching, testing, lesis were accompanying pain or experiments, conducted distress to the animals (Cols. C + D + E) experiments, surgery, or tests. (An explanation of research, or involving no and for which appropriate the procedures producing pain or distress in these pain, distress, or surgery but not anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs used 9 9 0 9 0 4. Dogs 19 0 19 19 0 Cats Guinea Pigs Hamsters 12 0 Rabbits Non-human Primates Sheep 11. Pigs 12. Other Farm Animals

### ASSURANCE STATEMENTS

PHIS FORM 7023

13. Other Animals

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In principal investigator and approved by the institutional clinical case and one continues induced. It administrates the species and number of animals affected addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

66,67C

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

(TYPE OR PRINT)

1. REGISTRATION NO.35

#130

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Gode)
Include Zip Gode)
Include Zip Gode)
ANNUAL REPORT OF RESEARCH FACILITY

55 Lake Avenue North

55 Lake Avenue North P.O. Box 9110 Worcester, MA 01655 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

Same as Above

Jamica Plain Campus ,305 South Street Jamaica Plain, Ma 02130

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs	.0	0	12	0	12
5. Cats	0	0	0	0	0
6. Guinea Pigs	25	267	87	470	824
7. Hamsters	121	210	370	182	762
8. Rabbits	92	241	105	.0	346
Non-human Primates	0	0	9	0	9
10. Sheep	4	0	18	0	18
11. Pigs	7	0	296	0	296
12. Other Farm Animals		•			
13. Other Animals					
Chickens	0	0	120	0	120
Toads/frogs	222	262	34	0	296
Opossum	0	0	3	0	3

1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

(6/6)2/6/7/E)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

+ (b)(7)(C)

DATE SIGNED

which is obsolete)



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### Optional Column E Explanation Form

This form is intended as an aid to completing the Column E explanation. It is not an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists.

i. Registration	Number: 14-R-0	0035
2. Number	470	of animals used in this study.
3. Species (comm	non name) guinea pigs	of animals used in this study.

4. Explain the procedure producing pain and/or distress. The challenge of vaccinated animals with ulnattenuated toxins of tetanus, diphtheria and portussin to prove that vaccinations are effective. The challenge procedure necessarily results in the death of a positive control and higher dose groups. The use of other agents during this critical period of assessments might alter animal responses, thereby obscuring the true end-point, and in turn, might falsely affect the final determination of vaccine potency. The criteria for the tests are requirements of the U.S. Food and Drug Administration for establishing the safety and efficacy of vaccines prior to release for therapeutic use in humans.

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see question 6 below)

Pederally-mandated Lesting

6. What, if any, federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):

Agency	FDA	CFR 21 CFR 620.1-620.4
VACITCA		

Amendment No. 1, 11/28/56

TOTAL P.02

<sup>°</sup>FR Doc. 79-11451

<sup>°</sup>FDA Docket No. 780-0438

<sup>&</sup>quot;Minimum requirements, Division of Biologics Standards, NIII, 8/25/53; 4th Revisions 3/1/47 and 12/15/52;

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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.35 35-R-8035 35-R-9035

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)
United Vaccines, Inc.

2826 Latham Drive P.O. Box 26509 Madison, WI 53713 Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes.	Attach additional
sheets if necessary.)	

FACILITY LOCATIONS (Sites)

See Attached

A. Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred. conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	.C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research-eurgery of lests were conducted involving accompanying pain or distress to the animals and for which legies of appropriate anesthean (Artiges)c. With the first and drugs would have added self affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the appointments producing path or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMAL:  (Cols. C +  D + E)
4. Dogs					
5. Cats	ŕ				
6. Guinea Pigs	0	124	0	14	138
7. Hamsters					
8. Rabbits					
9. Non-human Primates					<u> </u>
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
Mink	996	306	152	101	559
Ferrets	4	- 38	0	2	40
Fox	0	15	0	0	15

#### SURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian lor-this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

(Chief Executive (	Y HEADQUARTES RESEARCH FACILITY OFFICIAL Officer or Legally Responsible Institutional Official) above is true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
b4, 67C	b4, b1c	16 Nov 99





35 ROO 35

November 16, 1999

Multiple Site Listings NOV 2 2 1999 -

BY:....

United Vaccines, Inc. 2826 Latham Drive Madison, WI. 53713

United Vaccines, Inc. 8019 Sugar River Verona, WI 53593 United Vaccines, Inc. 10342 Highway D Blue Mounds, WI 53517

United Vaccines 7819 Airport Road Middleton, WI 53562



UNITED VACCINES, INC.

November 16, 1999

> NOV 9 2 1999

### ADDENDUM #2

The animals listed in Column E were utilized for safety or potency testing of this firm's products as specified in the following 9 CFR sections:

9 CFR	113.109(c)	Clostridium botulinum
	113.204(b)	Mink enteritis virus
	113.302(c)*	Mink distemper virus
	113.38	Guinea pig safety test

In addition, animal vaccination/challenge testing was performed for the following studies:

- 1. b4
- 2. Testing of by approved by APHIS-CVB.
- 3. Testing of by , as required by the 9 CFR and approved by APHIS-CVB.

Agencies that regulate the testing of biologics generally insist that these tests run their course without interference. In some instances, such as distemper efficacy tests, the symptoms may become protracted. In these cases, we do administer a euthanasia solution at an appropriate state to reduce pain and distress.

ble, bnc

\* 113.302(c) applies to mink and ferrets

See reverse side for additional information

Interagency Report Control No 0180-00A-AN

United States department of agriculture Animal and Plant Health Inspection Service

1. REGISTRATION NO. 21-R-0114 \$336

PORM APPROVED OMB NO 0578-0036

100

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2 HEADQUARTERS RESEARCH FACILITY (Home and Address as registated with USDA included) COULLEGE OF CORNELL UNIV.

1300 YORK AVENUE, 7 TH FLOOR

NEW YORK, NY 10021

3. REPORTING FACILITY (Ltd oil locations where animals were bossed or used in action research, testing, leaching, or experimentation, or held for these purposes. Attach additions should it recessary.)

**RACILITY LOCATIONS (Bridge)** 

SEE ATTACHED

IJEC || 1 1353

Anunals Covered By The Animal Welfare Regulations	B Number of surmain being breit, conditioned, or held for use in teaching, leating, experiments, research, or surgery but set yet used for such purposes.	© Murripo el animals lipon which leaching, research, experiments, or lests were conducted invulving to pain, distress, or use of Dain-releving drugs-	Pleaster of animals upon which experiments, leaching, research, surgery, or lesss were conducted invulving accompanying pain or discress to the animals and for which appropriate eneal bette, analysis, or transpolitzing drugs were uted.	to the animals and for which the use of appropriate meatheris, analysisis, or tempulating drugs would have adversely shacted she precedures, results, or any prototion of the teaching, research,	TOTAL NO. OF ANNVALS (Cols. C + D + E)
4. Dogs	0	0	58	0	58
5. Cats	0	121	35	D	156
8. Guinea Pigs	0	268	202	0	170
7. Hamsters	0	15	125	0	140
6. Rabbits	0	0	108	0	108
9. Non-human Primates	0	0	14	<u> </u>	15
10. Sheep	0	0	27	0	27
11. Pios	0	0	138	0	138
12. Other Farm Animals	.0	0	0	0	0
13. Other Animals					
BATS	0	0	66	. 0	66
ASSUMANCE STATEMENTS					

1) Prolessionally acceptable standards governing the care, treatment, and use of animals, including approximate isse of unsufficient analysists, and transporting drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were inflowed by the research facility.

2) Each principal investigator has considered alternatives to painful procudures

3) This locality is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explanent by the principal investigator and approved by the institutional Animal Cure and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report, in addition to identifying the IACUC-approved exceptions, this scrimary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending veterinarism for this research facility has uppropriate authority to answer the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I regular that the above is true counted, and complete (7 U S C Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL



(6)16) H(6)(7)(C)

DATE SIGNED

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete?

~

#### PACILITY SITES LISTING

Cornell University Medical College
21-R-114
hat house regulated animals under the above number. Be information. If the line does not apply, please mark three (3) sites copy this form as many times as needed
nt: Research Animal Resource Center
1300 York Avenue
New York, N.Y. 10021
ng: Harkness & C Buildings
om: 7th Floor
ons. ble, bac shone No.: ble, bac
Research Animal Resource Center 411 East 69th Street
New York, N.Y. 10021
*No USDA covered species  Kips Bay Building noused during reporting period
Basement
1. ble, bre 1. Phone No., ble, bre
Research Animal Resource Center
515 East 72nd Street
New York, N.Y. 10021
s S-Building
3rd Floor
· 66,690 - Phone No.: 66,690

### PACILITY SITES LISTING

Licensee/Registrant Name:	Cornell University Medical College
	21-R-114
sure to include, all requested ;	it house regulated animals under the above number. Be information. If the line does not apply, please mark three (3) sites copy this form as many times as needed
Site No.: 4 Name/Department	Bourne Laboratories/Psychiatry
Address	21 Bloomingdale Road
	White Plains, N.Y. 10605
Building	Bourne this USDA covered species housed a lourne bourne during reporting period.
Floor/Room	ler 6 2nd
Contact Person	66,67C . Phone No.: 66,67C
Site No.: 5 Name/Department:	Burke Medical Research Institute
Address	785 Mamaroneck Avenue
	White Plains, N.Y. 10605
Building:	Sturgis
Floor/Room:	lst
Contact Person:	ble, bac phone No.: ble, bac
ite No.: 6 Name/Department:	Research Animal Resource Center
Address:	425 East 68th Street
	New York, NY 10021
Buildings	Rettering Laboratory Building
Floor/Room:	3rd Floor
Contact Person:	66,62 3 Phone No.: 66,672

### Optional Column E Explanation Form

This form is intended as an aid to completing the Column E explanation. It is not an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists. 1. Registration Number: 21-R-0114 of animals used in this study. 3. Species (common name) Phasus of animals used in this study. 4. Explain the procedure producing pain and/or distress. SEE ATTACHED 5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see question 6 below) SEE ATTACHED 6. What, if any, federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):

# Weill Medical College of Cornell University "Column E Explanations"

- #4. The animals will be placed on a water restriction regime during the on-control periods of research. Although a detailed method of evaluation has been successfully employed since the inception of the protocol, it is possible that the animals could become dehydrated during the on-control periods. If the animal becomes dehydrated, the animal will be treated appropriately with rehydrating fluids. In addition, visual behavior experiments require that the monkey be restrained for several hours a day in a primate chair. The restraint could be distressful. Precautions are taken to prevent the animal from experiencing pain or distress while in the primate chair. Excessive grimacing, vocalizations or squirming may be signs that the animal is uncomfortable in the chair. If these behaviors are displayed during a recording session, the experiment for that day will be terminated and the animal returned to its cage.
- #5. Pain or distress will be relieved by rehydrating the monkey in the case of dehydration and removal from the primate chair if the animal displays signs of discomfort or pain. Although appropriate action would be taken immediately, the animals were placed in category E because both of these situations may occur.

-	r to cases and during i	ned to the matrice	i to pertilibre as	provided to	P 200100 SIA
	Charles WYATES AND		Official Tube		1.000

UNITED STATES	DEPARTMENT OF AGRIC	JA TURE
AND PLA	UIT HEALTH MEFECTION	i Sennor

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

STRATEGY MO. 23-R-0066 PORM APPROVED

Drug Research Labs, INC POI Box 39.4 2802 Red Gate DR. BUCKING HAM PA 18

2. REPORTING PACILITY (Let all locations where annuals were from phone if executary.) FACILITY LOCATIONS (SMICH)

DRL, INC., 2023 Ridge Rd. Perkasie PA 18912

Revised :- 11-30-99

Arimais Comment By The Arimal Victions Pagadoticas	B. Humber of principle being brid, our philosophic art is been in leaching, temper, are supportunits, research, or surpory but not yet exact for contract, purposeen.	C Number of Johnsky upon Schmitz reacting, research, experiments, or locts were gast-stead involving on pain, districts, to use of pain- relienting drugs.	B. Humber of powersh update which experiments, besiding, receptly, besiding, receptly, the powersh while experiment involving experiments to rise amounts and for which appropriate preclicate, analysis, or transpoliting drugs were used.	6. Sumper of animals upon which functing, opportunits, research, dangery or least uses annihold involving decompanying pair or districts to the animals pay for which the use of appropriate anamounts alternate alternative districted the procedures, results, or interpretation of the teaching, research, experiments, surgery, or least. An explanation of the procedure procedure products of play to office of the procedure of the procedure products of the procedure products of the procedure products of the procedure of these animals and the procedure products of the procedure and passed onto the procedure and the procedure	P. TOTAL MS. OF AMERICAL (Code. C + E)
I. Dogs	0	4	2	0	6
5. Cats	0	0	0	0	0
B. Guinea Pigs	0	0	0	<i>3</i> 3	33
7. Hamsters	0	0.	0	0	0
I. Rabbits	0	0	0	0	0
A. Non-human Primetes	0	0	0	. 0	0
10. Sheep	0	0	. 0	<u> </u>	0
11. Pige	0	Q	0		0
12. Other Farm Animals	0	0	0	<u> </u>	0
		0	O	\$\text{\tin}\text{\tett{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tetx{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}\}\text{\text{\text{\text{\text{\text{\text{\text{\tex{\tex	0
13. Other Animale	0	0	. 0	0	0
GIRDIS	0	D	. 0	/2	12
\ \					

- This faultry is adhering to the standards and regulations under the Act, and it has required that acceptions to the standards and regulations be specified and explained by principal investigator and approved by the institutional Aviral Care and Use Committee (IACUC). A summary of all quality acceptions is attached to this ennual report addition to the encaptions, as well as the species and number of authors affected.
- The attending vetera

CENTIFICATION BY HEADQUARTES RESEARCH PACILITY DEPICIAL (Chief Executive Officer or Lagally Responsible Institutional Official) (Coulty that the shows in true, and compute (7 USC Segless 2143)			
SIGNATURE OF C.S.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.S.O. OR INSTITUTIONAL OPPICIAL (Type or Print)	DATE BIGNED	
T (6)6)26)6)6)	(b)(6) f(b)(7)(c)	10 3699	

Represents 2 pages of redacted information

everse side for auditional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

2 31 -

1. REGISTRATION NO.84 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA.

FORM APPROVED

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Code) Connaught Laboratories, Inc. RESCRIPTION OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF

Discovery Drive December 187 Swiftwater, PA 18370

Status: Active

NOV 1 5 1999

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

**FACILITY LOCATIONS (Sites)** See Attached

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adultinonal sheets if necessary or use APHIS FORM 7023A.) E. Number of animals upon which teaching, B. Number of C Number of D. Number of animals upon animals being experiments, research, surgery or tests were animals upon which experiments. conducted involving accompanying pain or distress to the animals and for which the use of appropriate which leaching, **Animals Covered** teaching, research, By The Animal conditioned or research, TOTAL NO surgery, or tests were held for use in anesthetic, analgesic, or tranquilizing drugs would Wellare Regulations experiments, or OF ANIMAL conducted involving have adversely affected the procedures, results, or teaching, testing, lesis were accompanying pain or experiments, interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of conducted distress to the animals research, or involving no pain, distress, or (Cols. C D + E) and for which appropriate surgery but not the procedures producing pain or distress in these anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were purposes. must be attached to this report). relieving drugs. used. Dogs 0 Cats 1668 4222 2554 Guinea Pigs Hamsters 394 394 Rabbits 0 9. Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals

#### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and franquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of annual care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIA	1.
(Chief Executive Officer or Levally Responsible Institutional Official)	

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

ANAME & TITLE OF CE O. OR INCESTION OFFICIAL (Type or Print)

DATE SIGNED

11/8/99

SIGNATURE OF CE.O. OR INSTITUTIONAL OFFICIAL bles bac

bu bac

ble, bnc

UNITED STATES DEPARTMENT OF AGRICULTURE IMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 23-R-0147

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA enclude Zip Codel

Wyeth-Lederle Vaccines

American Home Products Corporation

280 King of Prussia Road 19087 Radnor, PA

NOV 29 1999

'0Q

Pearl River, NY

EPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional heets if necessary.)

FACILITY LOCATIONS (Siles)

RT OF ANIMALS USED BY OF	UNDER CONTROL OF	RESEARCH FACILITY	(Altach adiditional sheets if ne	cessury or use APHIS FORM 7023A.)	
Anumais Covered By The Animai Wellare Regulations	B. Number of animals being bred. conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	G Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquitizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (COIS. C +  D + E)
Dogs					
Cats					
Guinea Pigs	0	5,814	2,346	5,958	14,118
Hamsters					
Rabbits	0	2,743	48	0	2,791
Non-human Primates	20	0	129	0	149
Sheep					
Pigs					
Other Farm Animals					
Horses	0	48	. 0	0	48
Other Animals					
Ferrets	0	0	76	0	76

**JURANCE STATEMENTS** 

- ) Professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of anesthetic, analgesic, and transpulsating drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility.
- Each principal investigator has considered afternatives to painful procedures.
- 1 This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the this facility is adhering to the standards and regulatoris under the net, and it has required that exceptions to the standards and regulations be specified and explained by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of anumals affected.
- ) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of www.ai care and use

### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

Ecertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

NATURE OF CEA OR

HIS FORM 70

AL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete )

Represents a pages of withheld information.

result in an order to cease and desist and to be su-

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO 30

FORM APPROVED OMB NO 0579:0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) Covance Laboratories, Inc.

P.O. Box 7545

P.O. Box 26509 C Madison, WI 53707 Status: Active

... NOV 1 5 1999

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held log these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Head quarters Site #1.

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS (Cols. C + D + E)
4. Dogs		1689	139		1823
5. Cats					
6. Guinea Pigs	60	2850	12 53	948	5051
7. Hamsters					
8. Rabbits	141	1761	25	275	2061
9. Non-human Primates	55	730	279		1009
10. Sheep					<u> </u>
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
	<del> </del>				

#### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquitizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Annual Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL.  (Chief Executive Officer or Legally Responsible Institutional Official)  Licertily that the above is true, correct, and complete (7 U.S.C. Section 2143)				
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF CEO. OR INSTITUTIONAL OFFICIAL (7	DATE SIGNED		
Manac	brobne	11/1/45		

APHIS FORM 7023 (AUG 947

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

NOV 1 5 1999

ATTACHMENT 2
Page 1 of 1

Attachment to USDA Annual Report 1999 Explanation regarding animals listed in category E

Rabbits:

75 Skin Irritation/Toxicity Studies

200 Ocular Irritation Studies
 275 Total rabbits in category E

Guinea Pigs:

7 Antigenicity Studies

941 Dermal Sensitization and Maximization Studies

948 Total guinea pigs in category E

64

All of the above listed animals in category E were used on studies going to regulatory agencies regarding product safety or toxicity testing. These tests are required of our clients by state, federal, or other regulatory agencies. During the conduct of these studies, it was imperative that the animals receive no drugs that might interfere with the testing in order to assure study validity. These activities and procedures of conduct for the studies were reviewed and approved by the Institutional Animal Care and Use committee.

The regulations that may require these procedures include 21 CFR 58 (FDA), 40 CFR 160 (EPA-FIFRA), 40 CFR 792 (EPA-TSCA), ENV/MC/CHEM(98)17, Revised 1997, Issued 1998 (OECD), 59 NohSan No. 3850 (Japanese MAFF), and Ordinance 21 (Japanese MOHW).

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

(TYPE OR PRINT)

1 REGISTRASTON NOTO 25

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

uiclude Zip Abbitt Laboratories One Abbott Park Road AP13A, Dept. 403

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA Abbott Park, IL 60064-35004

Status: Active

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach 300monates sheets if necessary.)

**FACILITY LOCATIONS (Sites)** See Attached

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
Dogs		159	492	7	658
Cats		. 8			8
Guinea Pigs		1041	41		1082
Hamsters			35		. 35
Rabbits		411	199	1 4	624
Non-human Primates		186	62	8	256
. Sheep		138			138
. Pigs		53	26		79
Other Farm Animals					
Goats		165			165
Other Animals					
Gerbils				150	150
Ferrets		10	49	24	83
Chinchillas	100	20			120

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appromate use of anesthetic, analgesic, and tranquitizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were tollowed by this research facility
- 2) Each principal investigator has considered alternatives to painful procedures
- This facility is adhering to the standards and regulations under the ACI, and it has required that exceptions to the standards and regulations be specified and explained by the
  principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a trief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional ()fficial)
Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

INATURE OF C.E. IONAL OFFICIAL (pxpx(px))(C)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

(b)(6) & (b)(7)(

## Explanation of Animal Totals Column E, APHIS form 7023 Registration Number 33-R-0025

33R0025

				BV.
<u>Species</u>	Number		Explanation	
Rabbits	14			
				number of the control
Non-human Primates	8			
Dogs I	6		67	
Dogs II	1	_		-
		i O		•
Ferrets	24	ı		:
Gerbils	150			-
Gerous	130			
		ı		

### Exceptions to Regulations and Standards

Species	# of Animals	Details of Exception
Dog	12	
Dog	16	

See # addit e side for aformation Interagency Report Control No. 0186-DOA AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NOO28

33R0028

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip God). Searte & Co., Inc.

4901 Searle Parkway AP13A, Dept. 403 Skokie, IL 60077 Status: Active

576

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

4901 Searle Parkway Skokie, IL

See Attached

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Atlach adultifional sheets if necessary or use APMIS FORM 7023A) Number of animals upon which teaching, B. Number of C. Number of Number of animals upon animals being experiments, research, surgery or tests were animals upon which experiments, bred. which leaching, conducted involving accompanying pain or distress Animals Covered leaching, research, to the animals and for which the use of appropriate By The Animal conditioned, or research. TOTAL NO. surgery, or lesis were anesthetic, analgesic, or tranquilizing drugs would held for use in OF ANIMALS Wellare Regulations experiments, or conducted involving have adversely affected the procedures, results, or teaching, lesting, lesis were accompanying pain or interpretation of the teaching, research, experiments. conducted distress to the animals experiments, surgery, or tests. (An explanation of (Cols. C + D + E) research, or involving no and for which appropriate surgery but not the procedures producing pain or distress in these pain, distress, or anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paultranquilizing drugs were purposes. relieving drugs must be attached to this report). 38 311 573 64 948 4. Dogs 0 0 0 4 Cats 411 209 70 0 132 Guinea Pigs 6. 0 9 0 0 9 Hamsters 20 29 268 116 413 8. Rabbits 0 119 102 9. Non-human Primates 0 0 0 0 0 10. Sheep 0 0 0 0 0 11. Pigs 0 0 0 0 0 12. Other Farm Animals 0 0 0 0 0 Other Animals

#### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered afternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

1 Gently that the above is true, correct, and complete (7 USC Section 2143)

RE OF C FO. OR INSTITUTIONAL OFFICIAL

10)(e)4(p)(1)(c)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

(PX6)4(P)(1)(C

DATE SIGNED

1/12/19

APHĪS FORM 7023 (AUG 91)

SI

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

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Column E Explanations
Annual Report of Research Facility
G. D. Searle & C0., Inc.
4901 Searle Parkway, Skokie, 11 60077
USDA Registration Number: 33-R-0028

Federal Agency and Code of Federal Regulations Requiring Procedures that Produced Pain and/or Distress	FDA CFR 21
Scientific Justification for Why Pain and/or Distress Could Not be Relieved. State Methods or Means Used to Determine that Pain and/or Distress Relief Would Interfere with Test Results	70
Procedure Producing Pain and/or Distress	70
Number of Animals	2
Species	Dogs

	Not applicable	
Scientific Justification Why Pain and /or Distress Could Not be Relieved. State Methods or Means Used to Determine that Pain and/or Distress Relief Would Interfere with Test Results		
Procedure Producing Pain and/or Distressful		
Number of Animals	62	
Species	Dogs	

Federal Agency and Code of Federal Regulations Requiring Procedures that Produced Pain and/or Distress	Not Applicable	
Scientific Justification of Why Pain and/or Distress Could Not be Relieved. State Methods or Means Used to Determine that Pain and / or Distress Relief Would Interfere with Test Results	カの	
Procedure Producing Pain and/or Distress	3	
Number of Animals	70	

Guinea Pigs

Species

Number of Animals Procedure Producing Pain Scientific Justification for and/or Distress and/or Distress Could Not be Relieved. State Mequiring Procedures that Methods or Means Used to Determine that Pain and /or Distress Relief Would Interfere with Test Results	Not applicable  Of	Not applicable	
Species	Rabbits	Rabbit 27	

33-R-0028

Summary of Exceptions
Annual Report of Research Facility
G. D. Searle & CO., Inc.
4901 Searle Parkway, Skokie, IL 60077
USDA Registration Number: 33-R-0028

radioactive compounds that were subsequently excreted in the urine and feces. This exemption was granted to prevent contamination of animal room, research and husbandry personnel as well as exposing animals of different dosing groups to metabolic waste from Fourteen dogs were exempted from exercise for ten days while being used on an IACUC-approved protocol permitting dosing of other dose group animals.

7

See reverse side for additional information.

Interagency Report Control No. (180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NOOS1 51R 0031

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) mashington Biotechnology, Inc.

PO Box 211

College Park Campus

Simpsonville, MD 21150-0211

Status: Active

ATMUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

532

::<sub>25</sub> -

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

See Attached

6200 Freeport Centre

Baltimore, Maryland 21224-6506

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, feaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic; analgesic, or franquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMAL  (Cols. C 1 D + E)
4. Dogs					
5. Cats					ļ
6. Guinea Pigs		908	498	1079	2485
7. Hamsters					
B. Rabbits		53	24		77
Non-human Primates					·
10. Sheep					
11. Pigs					· · · · · · · · · · · · · · · · · · ·
12. Other Farm Animals				· · · · · · · · · · · · · · · · · · ·	
13. Other Animals					
				<u> </u>	

#### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

•	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
	(Chief Executive Officer or Legally Responsible Institutional Official)
	(0.110.0.0.0.110.110.110.110.110.110.110

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

(P)(P)(P)(P)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(b)(6) + (b)(7)(C)

T(6)(6) 2(6)(1)(C) J

9/22/99

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)

1(p)(q)+(p)p)(())

(Jas

## WASHINGTON BIOTECHNOLOGY, INC.

Holabird Business Park 6200 Freeport Centre Baltimore, Maryland 21224-6506 Ph: 66,6% Fx: 410-633-7478

Em: 1 66,670

## **Explanation for Column E (Annual Report of Research Facility)**

The guinea pigs counted in this column were used in quality control tests to evaluate protection provided by a human vaccine against diphtheria and tetanus. The tests are routinely carried out according to FDA requirements for batch release of product intended for human use.

We perform this test according to our Protocol No. 1200. A copy of page 1 of this protocol is attached for information.

A literature search has been carried out to evaluate alternative procedures. The results of this search are available as an appendix to Protocol No. 1200. One result of the search has been to justify reduction in the number of animals used per assay.

Our Protocol No. 1200 is available for inspection and has been inspected by USDA inspectors on several visits to our facility.

reverse side for additional information.

Interagency Report Control
0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 42-R-0020

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

51241

Grand Laboratories, Inc. 1447 140th St.

ATTN: Ralph L. Pierce Larchwood, Iowa

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Sites)

Same as item #2.

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats			·		<u> </u>
6. Guinea Pigs				2	136136
7. Hamsters					
8. Rabbits			1,982		1,982
9. Non-human Primates					1,702
10. Sheep		2			2
11. Pigs		234			234
12. Other Farm Animals			_		237
Calves		12			12
13. Other Animals					<del></del>
Mice		19,660		5,496	25,156
Chickens		6			6

- 1). Prolessionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

#### CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

66,690

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

ble, bic

10/28/99

42R0020

## Optional Column E Explanation Form

This form is intended as an aid to completing the Column E explanation. It is <u>not</u> an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists.

1. Registration Number: 42-5	2-0020
2. Number	of animals used in this study.
3. Species (common name) Namo	ter of animals used in this study
4. Explain the procedure producin	g pain and/or distress.
Refer to num	wer 6 below.

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see question 6 below)

6. What, if any, federal regulations require this procedure? Cite the agency, the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):

Agency USDA APHIS, US, CVB CFR

## Optional Column E Explanation Form

This form is intended as an aid to completing the Column E explanation. It is <u>not</u> an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists.

1. Registration Number: 42-	- R - 0020
2. Number 2	of animals used in this study.
3. Species (common name) <u>quinea</u>	- Pig of animals used in this study.
4. Explain the procedure producin	ng pain and/or distress.
2 control animals are te	test for clostridium tetieni antitoxin in which that dose given a lethal dose of Tatanus toxin inimals must be down and unable to risk or wer.
relieved. State methods or means relief would interfere with test resu question 6 below)	why pain and/or distress could not be used to determine that pain and/or distress ults. (For Federally mandated testing, see
This is a required pote	may release test - see 9CFR 113.451
	s require this procedure? Cite the agency, CFR) title number and the specific section .102):

**CFR** 

Agency

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE I. REGISTRATION NO.51

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

anchole Dip Code) State University of New York Level 3, Aml Fac 116 Bio Md Bl 3435 Main Street

Buffalo, NY 14214

NOV 29 1999

See Attached

Status: Active 3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, lesting, teaching, or experimentation, or held for these purposes. Attach adultional sheets if necessary (

FACILITY LOCATIONS (SHEE)

A	B Number of	C Number of	0	E. Number of animals upon which leaching,	-
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which feaching, research, experiments, or lesis were conducted involving no pain, distress, or use of pain-relieving drugs.	D Number of aminals upon which experiments, leaking, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquitzing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analysisic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	TOTAL NO OF ANIMALS  (Cols C + D + E)
4. Dogs			70		70
5. Cats					
6. Guinea Pigs	<sup>(</sup>	66	16		82
7. Hamsters		26	531		557
8. Rabbits	1	4	412	16*	432
9. Non-human Primates	12		12		12
10. Sheep			206		206
11. Pigs			232		232
12. Other Farm Animals				-	
13. Other Animals					
Chinchilla			467		467
Dwarf Hamsters			832		832
Ferrets		20			20

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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(Chief Executive Off	IEADQUARTES RESEARCH FACILITY OFFICIAL ficer or Legally Responsible Institutional Official) sive is true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF CE.O. OR INSTITUTIONAL OFFICIAL (Type or Print)  (6)(6) + (b)(5)(C)	DATE SIGNED
(pxb)4(p)(7)(c)	(0)(0)4-(1)(1)(1)	11/23/99

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eplaces VS FORM 18-23 (OCT 88), which is obsolete.)

NOV 29 1999 21R0051 21-R-C051 Site: COl Laboratory Animal Facility Contact; Person. Status: Active Biomedical Education Building 3435 Main Street ble Dre Buffalo, NY 14214 County: Erie Site: 002 Laboratory Animal Facility Status: Active Contact Person: Parker Hall 3435 Main Street Buffalo, NY 14214 ble, b/C County: Erie Site: 003 Laboratory Animal Facility Status: Active Contact Person: Hochstetter Hall North Campus Buffalo, NY 14260 bb, bac County: Erie Site: 004 Laboratory Animal Facility Contact Person: Status: Deleted Park Hall North Campus Buffalo, NY 14260 ble, bnc County: Erie Site: 005 Laboratory Animal Facility Contact Person: Status: Deleted Building 4234 Ridge Lea Campus Buffalo, NY 14260 County: Erie Site: 006 Erie County Medical Center Contact Person: Status: Deleted Clinical Center Annex DD 462 Grider Street Buffalo, NY 14215 かし、かん County: Erie Site: 007 Buffalo General Hospital Contact Person: Status: Active Multi-Research 100 High Street Buffalo, NY 14203 66,67C County: Erie

Site: 008 Children's Hospital Contact Person: Status: Active

D Building - Old Hospital 219 Bryant Street

Buffalo, NY 14222

County: Erie

Site: 009

Status: Deleted

Nat. Inst. for Occu. Safe/Bealth Contact Person:

Robert A. Taft Laboratories

4676 Columbia Parkway Cincinnati, OH 45226-1998

County: Hamilton

blibne

ble, bonc

#### Unrelieved Pain/Distress

NOV 29 1999 21ROUS

Title:

Evaluation of Toxicity of New Imaging Agents

Protocol Number:

PMY22074N

Approved Animal Use:

Rabbits and Rats

Description of procedures: Rabbits

Per test article

Acute study: control group 4 animals

experimental groups - 3 groups @ different dose concentrations, 4 animals

per group = 12 animals

Subchronic study:

control group = 7 animals

experimental group = 7 animals

Animals are injected IV with a test article or control article in the same vehicle. maximum dose used is 2 ml/kg.

Acute study - animals are dosed individually with a single injection, dose calculated from their weight and according to group in an up/down fashion. This allows for a lower concentration to be administered if the higher concentration is toxic. This approach focuses in on the LD50 with the minimum use of animals.

Subchronic

study -

animals are dosed at approximately 1,000X the expected human dose of the drug. The animals are dosed Monday-Friday for two weeks. Each animal is dosed individually with a single daily injection calculated from the animal's weight.

The acute study allows for at least a week of conditioning before any injections are given. The animal weights are recorded during this time to monitor weight gain before injections. The single injection is given on day 0. Only one group of four animals is injected at a time, which allows for the adjustment, in an up/down fashion, of the dosage of the next group. The animals are monitored for acute signs of toxicity, with all observations recorded. Animal weights are monitored for 2 weeks to note any weight loss or food consumption changes. Clinical observations are made regarding behavioral changes or tissue changes at the injection site. Fourteen days after injection, the surviving animals are euthanized. (Actual study time = 14 days).

The subchronic study allows for a week of conditioning before any injections are given. Animal weights are recorded. Injections are given Monday-Friday for two weeks. Animal weights are monitored for two weeks during the injection period and for the following two weeks to note any weight loss or food consumption changes. Clinical observations are made regarding behavioral changes or tissue changes at injection site. two after final injection animals are euthanized. (Actual study time = 25 days).

#### **Justification**

21R0051

Toxicity studies are requirements for FDA approval for the administration of newly developed drugs in humans. The purpose of the studies is to elicit potential toxic effects of candidate drugs which will ultimately be used in humans. Both production of toxicity and relative reversibility of those signs need to be demonstrated and observed. If adverse events occur it is necessary not to interfere as recovery is often possible. This is critical in the testing of new drugs to estimate the permanence or reversibility of adverse effects. In seriously affected animals, death usually occurs within minutes of dosing, thus limiting the period of discomfort. Two species have been selected (rabbits and rats), since they usually respond at different dose levels and can elicit different effects than the other and allows for the maximum information with a minimum number of animals used. This provides added assurance of picking up possible drug side effects which could result upon the administration of the drug in humans.

Side for larmation

Interagence Expert Gostrol No. 0180 DO4 AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO 15

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Pharmacia & Upjohn

301 Henrietta Street

P.O. Box 2043 Kalamazoo, HI 49007-4904 4940 NOV 2.9 1999

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

**FACILITY LOCATIONS (Siles)** 

See Attached

Our three former sites have all been

A A	B. Number of	C Number of		cessury or use APHIS FORM 7023A)  E. Number of animals upon which teaching,	F.
Animals Covered By The Animal Wellare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	G Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affected to this report).	TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs	0	625	66	71	762
5. Cats	0	198	258	0	456
6. Guinea Pigs	0	315	8	15	338
7. Hamsters	0	0	0	0	0.
8. Rabbits	0	327	274	192	793
9. Non-human Primates	0	441	56	11	508
10. Sheep	0	0	0	0	0
11. Pigs	0	0	40	0	40
12. Other Farm Animals					
Horses	0	0	0	146	146
13. Other Animals			·		
Gerbils		1139	0	0	1139
Ferrets		0	0	8	8
Chinchillas	1	74	0	697	681

Professionally acceptable standards governing the care, treatment, and use of animals, including approviate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility

2) Each principal investigator has considered alternatives to painful procedures

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

(b)(b)(t7)(c ORM 7023

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(b)(6)d(b)(7)(c)

ASSURANCE STATEMENTS

Represents 4 pages of withheld information

See reverse side for additional information

Interagency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

42-R-0009

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Codel (b)(b)(b)(7)(c)

Fort Dodge Laboratories

Division of American Home Products, Inc.

800 5th Street NW Fort Dodge, IA 50501

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS (Siles)

800 5th Street NW, Fort Dodge, IA 50501

2973 Highway 18 East, Charles City, IA 50616

2000 Rockford Road, Charles City, IA 50616

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach addictional sheets if necessary or use APHIS FORM 7023A)

A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which feaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments; research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analysesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C - D + E)
4. Dogs	93	522	7	44	573
5. Cats		1344		55	1399
6. Guinea Pigs		2103	1254	38	3395
7. Hamsters	102	13689		5181	18870
8. Rabbits	-6	158	811		969
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
Opossums			188		188

#### ASSURANCE STATEMENTS

ADUIS FORM 7023

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and franquilizing drugs, prior to, during. and lollowing actual research, teaching, testing, surgery, or experimentation were tollowed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

T (b)(6)(7)(1)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED



DEC 2

## FORT DODGE ANIMAL HEALTH

DIVISION OF AMERICAN HOME PRODUCTS CORPORATION

MAILING ADDRESS: P.O. BOX 518 FORT DODGE, IOWA 50501

DELIVERY ADDRESS: 800 5TH STREET N.W. FORT DODGE, IOWA 50501

TELEPHONE: 515-955-4600 FAX: 515-955-9183

Forty-four (44) dogs were involved in testing procedures that involved	lved pain and/or distress.
Twenty-four (24) dogs were used for testing (b) (6)	4)
These tests were done in accordance with 9CFR \( \b) (4)  procedures in the Immunogenicity Study approved by USDA/AP  the Immunogenicity Study, \( \b) (4)  1998 The \( \b) (4) host animal vaccination-challenge was performed  but bic (eterinarian - Veterinary)  Biologics, and Environmental Protection) in a letter dated January (1)	DA/APHIS on August 28, I at the recommendation of Biologics, Biotechnology,
Twenty (20) dogs were used in studies for the production of an (b) (b) (4) I These studies included the development of a challenge seed stock.	nodel and maintenance of
Any pain and/or distress experienced by the dog was kept to a min definition of the testing.	nimum limited only by the
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# FORT DODGE ANIMAL HEALTH DIVISION OF AMERICAN HOME PRODUCTS CORPORATION

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A total of fifty-five (55) cats were involved in testing procedures that involved pain and/or distress.

Eight (8) cats were used for testing done in accordance with 9 CFR.

MAFF for the *in vivo* potency testing of

Vaccines. These tests were and SOP 21-430-00 filed with products.

Forty-seven (47) cats were used in \_\_ , b4 the production of a Pre-immunogenicity Studies for letter from Vaccine. 64 ble., 67c As stated in the Biotechnology, Biologics, and Environmental Protection) dated January 13,1994, Wife 1 bnc at the National Veterinary Services Laboratories (NVSL) has a virulent challenge virus that produces severe disease upon a single exposure...we strongly recommend that data be presented for our review from a single challenge with your firm's challenge virus and/or the NVSL challenge along with any other challenge models you propose. This data should be submitted for comment to our office before initiating any efficacy study." Although a certain degree of pain and/or distress was necessary for the expression of symptomatology, it was kept to a minimum and the option of euthanasia was used, when deemed appropriate, by the attending staff veterinarian.

Any pain and/or distress experienced by the cat was kept to a minimum limited only by the definition of the testing.

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## FORT DODGE ANIMAL HEALTH DIVISION OF AMERICAN HOME PRODUCTS CORPORATION

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TELEPHONE: 515-955-4600 FAX: 515-955-9183 DELIVERY ADDRESS: 800 5TH STREET N.W. FORT DODGE, IOWA 50501

A total of thirty-eight (38) guinea pigs were involved in testing procedures that involved pain and/or distress. These tests were conducted in accordance with 9 CFR

Any pain/or distress experienced by the guinea pig was kept to a minimum limited only by definition of the testing.

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A total of five thousand one hundred eighty-one (5181) hamsters were involved in testing procedures that involved pain and/or distress.

Five thousand one hundred eighty-one (5181) harnsters were used for by Bacterin Potency Testing. These tests were conducted in accordance with the following approved Outlines of Production and/or 9 CFR requirements:

**b**4

Any pain/or distress experienced by the hamster was kept to a minimum limited only by definition of the testing.

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