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-0003

CUSTOMER NO. 100

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)

DANA-FARBER CANCER INSTITUTE 44 BINNEY ST ONE JIMMY FUND WAY BOSTON, MA 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(sites) TULANE REGIONAL PRIMATE CENTER ANIMAL RESOURCES FACILITY **BOSTON, MA 02215** COVINGTON, LA 70433 MILLBROOK/IMMUNOSERV MD ANDERSON CANCER CENTER AMHERST, MA 01004-0562 BASTROP, TX

Α,	B. Number of	C. Number of	D. Number of animals upon	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 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 animais and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation 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	26		173		173
7. Hamsters		 			
8. Rabbits					
9. Non-Human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
Tree shrews	3		5		5
Mice	8200	57625	13750		71375
Rats	12	62	384		446

- 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 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility 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 Executiv	BY HEADQUARTERS RESEARCH FACILITY OFFICIAL e Officer or Legally Responsible Institutional official) e 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
		10/24/2001

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-0003 CUSTOMER NO.

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)

DANA-FARBER CANCER INSTITUTE

44 BINNEY ST ONE JIMMY FUND WAY BOSTON, MA 02115

REPORT OF ANIMALS USED BY			(Attach additional sheets if nece	ssary or use this form.)	
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)
Frogs	30	150			150
Zebra fish	300	6700			6700
		•			
<u> </u>					
		.,,			
	,				
	-				
ASSURANCE STATEMENTS				L	

- 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 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility 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 HEADQUARTERS RESEARCH FACILITY OFFICIAL Officer or Legally Responsible Institutional official) bove 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)	10/24/2001

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

APHIS Form 7023 Additional Reported Sites

The following additional sites have been reported by the facility. The reported sites have not been verified by APHIS and have been provided by the facility solely for completeness of the APHIS Form 7023 Annual Reporting submission.

Registration Number:

14-R-0003

Customer Number:

100

Facility:

DANA-FARBER CANCER INSTITUTE

44 BINNEY ST

ONE JIMMY FUND WAY BOSTON, MA 02115

Site A Taconic, Inc. Site A 273 Hover Ave. Site A Germantown, NY 12526-5320 Site B Charles River Laboratories Site B 251 Ballardvale St. Site B Wilmington, MA 01887

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

12-14-2001 RCVD

1. REGISTRATION NO. 14-R-0004 CUSTOMER HO.

FORM APPROVED OMB NO. 0579-0035

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

PINE ACRES RABBITRY/FARM 299 S. MAIN STREET NORTON, MA 02766 (508) 265-7391

3. REPORTING FACILITY	(List all locations where animals were housed or used in accusi research, testing, leaching, or experimentation, or hald for these purposes. Attach and tional
sheets if necessary.)	

FACILITY LOCATIONS(istos)

See Attached Listing

Animais Covered By The Animai Westere Regulations	Number of artimals being bred, conditioned, or hear for use in teaching, seeing, experiments, research, or surgery but not yet used for such purposes.	G. Number of animals upon which teaching, research, experiments, or teals were constructed knyolving no pelln, distress, or use of palmnelleving drugs.	D. Number of entralis upon which experiments, beaching, research, surgery, or tests were conducted involving ecognization in the entralis and for which appropriate enerthetic, enaligation of translitating drugs were used.	8. Number of animals upon which barching, experiments, research, surgery or tests were conduced knowing accompanying pain or distress to the animals and for which the use of appropriate anesthate, analyses, or tranquisting drugs would have eleveracy affected the procedures, results, or interpretation of the traching, research, experiments, surgery, or tests. (An excitantion of the procedures producing pain or distress in these animals and the research such drugs were not used must be attached to manaport).	F. TOTAL NO. OF ANIMALS (Cols. C+ 0+E)
i. Dogs	38		64		64
5. Cats	_	_	-		
3. Guines Pigs	4	4		-	4
7. Hamstera	_	1	_		-
. Rabbits	75	•	1197	ſ	1/97
. Non-Human Primates	_				
0. Sheep	43		17		17
1, Pigs	28		111		111
2. Other Farm Animals					
3. Other Animala					
MICE	96		1864		1864
RAT'S	81		140		140
offissurs			_ }	<u></u>	

- Professionally acceptable standards governing the care, treatment, and use of entirely, including appropriate use of anesthetic, analyses, and franquiliting drugs, prior to, during, and following actual research, teaching, teating, surgery, or experimentation want followed by this needersh facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is anhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be exactled and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A committee of all the exceptions is attached to this annual report, in socious to identifying the IACUC-approved asceptions, his summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attention vistermarian for this research facility has appropriate authority to ansure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(Chief Executive i certify that the	BY HEADQUARTERS RESEARCH FACILITY OFFICIAL Officer or Legally Responsible Institutional official) stove is true, correct, and complete (7 U.S.C. Section 2143)	- M M M M M M M M
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.C. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
		12.10.01

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-25 (Out 85), which is obsolute

Pb. aport, 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. CUST

CUSTOMER NO. 106

FORM APPROVED OMB NO: 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

11-26-2001 (TYPE OR PRINT)

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

SCHEPENS EYE RESEARCH INSTITUTE, THE 20 STANIFORD STREET BOSTON, MA 02114 (617) 742-3140

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

FACILITY LOCATIONS(sides)

See Attached Listing

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 animals being bred, animals being bred, which teaching, experiments, conditioned, or held for use in experiments, or conducted involving accompanying pain or distress to the animals and for which the use of appropriate on held for use in experiments, or conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic analestic can leaded in the property of the size of appropriate of the animals and for which the use of appropriate anesthetic analestic can leaded in the property of the size of appropriate of the animals and for which the use of appropriate anesthetic analestic can leaded in the property of the p

REPORT OF ANIMALS USED BY				ssary or use APHIS FORM 7023A)	
A, Animals Covered By The Animal Welfare 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-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	0	0	0	O	O
5. Cats	0	0	0	0	٥
6. Guinea Pigs	0	21	0	0	21
7. Hamsters	0	0	0	0	0
8. Rabbits	2	58	81	0	139
9. Non-Human Primates		2	2	0	4
10. Sheep	0	0	0	0	0
11. Pigs	0	Ø	O	0	O
12. Other Farm Animals	0	0	Ð	0	0
13. Other Animals	0	6	Ö	0	0
:				•	

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 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility 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 Executiv	BY HEADQUARTERS RESEARCH FACILITY OFFICIAL re Officer or Legally Responsible Institutional official) re above is true, correct, and complete (7 U.S.C. Section 2143)	
1	L OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
			11/21/01

APHIS FORM /023 (AUG 91) (Replaces VS FORM 18-23 (Oct 88), which is obsolete

APHIS Form 7023 Site List

The following sites have been reported by the facility.

Registration Number:

14-R-0010

Customer Number:

106

Facility:

SCHEPENS EYE RESEARCH INSTITUTE, THE

20 STANIFORD STREET BOSTON, MA 02114 (617) 742-3140

SCHEPENS EYE RESEARCH INSTITUTE, THE 20 STANIFORD STREET BOSTON, MA 02114

result in an order to cease and desist and to be subject to penalties as provided for in Section 2000

additional information

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. CUSTOMER NO. 14-R-0013 99

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT) 2001 ROVD

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

ST. ELIZABETH'S MEDICAL CENTER OF BOSTON

736 CAMBRIDGE STREET BOSTON, MA 02135 (617) 789-2493

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

FACILITY LOCATIONS(sites)

See Attached Listing

Center for Biomedical Research Building

Pine Acres Rabbitry/Farm

Street Boston MA 02135

200 F Main Street Norton MA 02766

720 Cambridge S				Main Street, Norton, MA 02	/66
A. Animals Covered By The Animal Weifare Regulations	B. 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 teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	(Attach additional sheets if necest D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving: accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	Esary 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	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	0	154	0	154
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	12	0	2,030	0	2,030
Mice	3,500	0	2,000	0	2,000
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 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate 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)				
.	IAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED		

S FORM 18-23 (Oct 88), which is obsolete

PART 1 - HEADQUARTERS

(AUG 91)

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. 14-R-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 include Zip Code) 14-R-0016 Cust ID 110

LCF Foundation Inc. 41 Mall Road Burlington, MA 01805

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 sheets if necessary.)

FACILITYLOCATIONS (Sites)

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, distreas, or use of pain-relieving drugs.	D. Number of animels upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate eneathetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching experiments, research, surgery, or teats were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or teats, vin 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 ANIMAL (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	N/A		9	-	N/A
7. Hamsters	N/A				
8. Rabbits			2		2
9. Non-human Primates	N/A				
10. Sheep	N/A				
11., Pigs					
12. Other Farm Animals	N/A				
Goats			10		10
13 Other Animals					

- t) 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.

(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 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.

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 CEO OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF CEO OR INSTITUTIONAL OFFICIAL (Type or Print)	12/13/01		
APHIS FORM 7023 (Replaces VS FORM 18-23 (OCT 8)	8) 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

. REGISTRATION NO 14-R-0017 CUSTOMER NO. 112

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)
 BOSTON UNIVERSITY

BOSTON UNIVERSITY 5 CUMMINGTON STREET BOSTON, MA 02215

3. REPORTING FACILITY (List all locations where 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)

CHARLES RIVER CAMPUS
BOSTON, MA 02114

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 animais upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these 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	30		125		125
8. Rabbits		····			
9. Non-Human Primates					<u> </u>
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
gerbils	10	5	93		98
ferrets	4		37		37
ASSURANCE STATEMENTS			<u> </u>		

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

Officer or Legally Responsible Institutional official)	
NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
	11/29/2001
	Y HEADQUARTERS RESEARCH FACILITY OFFICIAL Officer or Legally Responsible Institutional official) bove 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 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. 14-R-0018

CUSTOMER NO 114

OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

11-29-2001 RCVD

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

MASSACHUSETTS INSTITUTE OF TECHNOLOGY OFFICE OF SPONSORED PROGRAMS 77 MASSACHUSETTS AVENUE

CAMBRIDGE, MA 02139 (617) 253-2492

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

FACILITY LOCATIONS(sites)

See Attached Listing Bldgs. 56, 68, El7/18, E25

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 (Cais. C + D + E)
4. Dogs					
5. Cats			19		19
6. Guinea Pigs		2	110		112
7. Hamsters		12	16		28
8. Rabbits		46	284 -		330
9. Non-Human Primates			55		55
10. Sheep			6		6
11. Pigs			10		10
12. Other Farm Animals					
Chickens			2779		2279
13. Other Animals					
Ferrets			117		117
ASSURANCE STATEMENTS					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, pnor to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility 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 C	HEADQUARTERS RESEARCH FACILITY OFFICIAL Officer or Legally Responsible Institutional official) ove is true, correct, and complete (7 U.S.C. Section 2143)		
SIGNATURE OF C.E.O. OR INSTITUTION	IAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type o	or Print)	DATE SIGNED
				11 /3 ister
ADL	EOPM 18-23 (Oct 88) wh	ich is absolete	PART 1 - HEA	DOUARTERS

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

1. REGISTRATION NO

018C-DCA-AN

FORM APPROVED OMB NO. 0579-0036

INLIED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

11-30-2001 RCVD

14-R-0019

 HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with the USDA, include Sip Code)

additional information

Harvard Medical School Ctr. for Animal Resources & Comparative Medicine 665 Huntington Avenue 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 (Cois. C+ D+E)
4. Dogs	0	а	48	0	48
5. Cats	0	0	33	0	33
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	36	133	0	169
8. Rabbits	0	3	211	0	214
9. Non-human Primates	1459	22	662	0	684
10. Sheep	0	0	142	0	142
11. Pigs	0	0	584	0	584
12. Other Farm Animals					
chicken	0	105	0	0	105
13. Other Animals					
Ferrets	0	0	27	0	27
Birds (wild caught)	0	11	0	0	11
Degus	0	0	35	0	35
Mice (deer)	Q	450	0	0	450

- 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.
- The attending veterinarian for this research facility 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	QUARTERS RESEARCH FACILITY OFFICIAL or Legally Responsible Institutional Official) ue, 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
		11/29/01

23 (OCT 88), which is obsolete.)

APHIS

APHIS Form 7023 Site List

The following sites have been reported by the facility.

Registration Number:

14-R-0019

Customer Number:

107

Facility:

HARVARD MEDICAL SCHOOL CTR FOR ANI RES/COMP MEDICINE 665 HUNTINGTON AVENUE

BOSTON, MA 02115

617-432-1285

HARVARD SCHOOL OF MEDICINE 665 HUNTINGTON AVENUE BOSTON, MA 02115

Main Facilities:

- ARCM/Central Harvard School of Public Health (ARCM/SPH)
 665 Huntington Avenue, Boston MA 02115
- ARCM Seeley G. Mudd Building (ARCM/SGMB)
 250 Longwood Avenue, Boston MA 02115
- ARCM/Warren Alpert Building (ARCM/WAB)
 200 Longwood Avenue, Boston MA 02115
- ARCM Harvard Institutes of Medicine (ARCM/HIM)
 77 Avenue Louis Pasteur, Boston MA 02115
- New England Regional Primate Resource Center (NERPRC)
 One Pine Hill Drive, Southborough MA 01772

Satellites:

BRIGHAM & WOMEN'S HOSPITAL (14-R-0092) 75 FRANCIS STREET BOSTON, MA 02115

Thorn Building
 Shattuck Street Roston MA

20 Shattuck Street, Boston, MA 02115

This report is required by law 7 USC 21431. Failure to report according to the regulations can result in all porder to cease and desist and to be subject to penalties as provided for in Section 2150.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

REGISTRATION NO.
 14-R-0020

CUSTOMER NO.

FORM APPROVED OMB NO: 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT) 11-28-2001 RCVD 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Code)

CHILDREN'S HOSPITAL, THE 300 LONGWOOD AVENUE BOSTON, MA 02115 (617) 355-7058

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)

See Attached Listing

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	22	0	22
5. Cats	0	0	1	0	1
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	221	0	221
9. Non-Human Primates	0	0	0	0	0
10. Sheep	0	0	20	0	0
11. Pigs	0	0	208	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 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.

(AUG §

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

COPCOLO DI ZIMINOI GALIO CINO COPO.			
	(Chief Executive	Y HEADQUARTERS RESEARCH FACILITY OFFICIAL Officer or Legally Responsible Institutional official) above is true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATUFT OF G. C. O. INCTIT		NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Pri	DATE SIGNED
APHIS FC	Oct 88), w		PART 1 - HEADQUARTERS

This residence

equired by law (7 USC 2143). Failure to report according to the regulations can lier 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. 14-R-0021 CUSTOMER NO. 118 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)
 NORTHEASTERN UNIVERSITY

DIV. OF LABORATORY ANIMAL MEDICINE 21 MUGAR LIFE SCIENCES BLDG BOSTON, MA 02115-5000

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.)

NORTHEASTERN UNIVERSITY
BOSTON, MA 02115

NORTHEASTERN UNIVERSITY
BOSTON, MA 02115

NORTHEASTERN UNIVERSITY
BOSTON, MA 02115

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		35	705		740
8. Rabbits		16			16
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 appropriate use of anesthetic, analgesic, and tranquilizing 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 painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility 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	BY HEADQUARTERS 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)	10/16/2001

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

APHIS Form 7023 Additional Reported Sites

The following additional sites have been reported by the facility. The reported sites have not been verified by APHIS and have been provided by the facility solely for completeness of the APHIS Form 7023 Annual Reporting submission.

Registration Number:

14-R-0021

Customer Number:

118

Facility:

NORTHEASTERN UNIVERSITY

DIV. OF LABORATORY ANIMAL MEDICINE

21 MUGAR LIFE SCIENCES BLDG

BOSTON, MA 02115-5000

Northeastern University
360 Huntington Avenue
21 Mugar Life Sciences Building
Boston, Massachusetts 02115
Northeastern University
360 Huntington Avenue
Richards Hall, 4th Floor
Boston, Massachusetts 02115
It is not necessary to list Nightingale Hall three times.

3183-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 14-R-0022 CUSTOMER NO. 119

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)

MASSACHUSETTS EYE & EAR INFIRMARY

MASSACHUSETTS EYE & EAR INFIRMARY 243 CHARLES STREET BOSTON, MA 02114 (617) 573-3178

3. REPORTING FACILITY	(List all locations where animals w	ere housed or used in actual i	research, testing, t	teaching, or ex	xperimentation, or held fo	r these purposes.	Attach additional
shoots if pecessary)			_				

FACILITY LOCATIONS(sites)

See Attached Listing

Massachusetts Eye & Ear Infirmary

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, expeniments, 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		0
5. Cats			32		32
6. Guinea Pigs			93		93
7. Hamsters			0		0
8. Rabbits			257		257
9. Non-Human Primates			34		34
10. Sheep			0		0
11. Pigs			0		0
12. Other Farm Animals			0		0
13. Other Animals					
Chinchillas			16		16

- 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 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 species and number of animals affected.
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BSPECIS OF AIRMAN CONTROL OF THE CON						
CERTIFICATION	BY HEADQUARTERS RESEARCH FACILITY OFFICIAL					
(Chief Executive Officer or Legally Responsible Institutional official)						
I certify that the	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				
		1/24/01				

APHIS FURM /UZS (AUG 91) (Replaces VS FURM 18-23 (Oct 88), which is obsolete

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 14-R-0025

include Zip Code)

CUSTOMER NO. 121

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

OCT 2 2 TO

303 HOMESTEAD AVENUE HOLYOKE, MA 01040

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

HOLYOKE COMMUNITY COLLEGE VETERINARY & ANIMAL SCIENCE (413) 538-7000

3. REPORTING FACILITY (List all locations where 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 Listing

Holyoke Community College Kennel & MRB-Building

(formerly named D-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 lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animais upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these 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		4	4		8
5. Cats		7	4		11
6. Guinea Pigs		2			2
7. Hamsters		2			2
8. Rabbits		5	1		6
9. Non-Human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
Gerbils		_	4		4

- 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.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other

aspects of animal care a	ng use.	
	CERTIFICATION BY HEADQUARTERS RESEARCH FA (Chief Executive Officer or Legally Responsible Institute of the complete of the com	tutional official)
Si	AL NAME & TITLE OF C.E.O. OR INSTITUT	TIONAL OFFICIAL (Type or Print) DATE SIGNED 10/12/0
AP	3 (Oct 88), which is obsolete	PART 1 - HEADQUARTERS

(4000)

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-0027 CUSTOMER NO.

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)

AVANT IMMUNOTHERAPEUTICS, INC. 119 FOURTH AVENUE 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(sites)

AVANT IMMUNOTHERAPEUTICS INC NEEDHAM, MA 02194

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					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits		94	20		114
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 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 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate 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 (Type or Print)	10/30/2001				

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

additional information

0180-DCA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 14-R-0029

CUSTOMER NO. 125

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)

NEW ENGLAND AQUARIUM 177 MILK STREET **BOSTON, MA 02110** (617) 973-5200

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

FACILITY LOCATIONS(sites)

See Attached Listing Marine Mammal Department-Discovery

-Seal/Otter Exhibit

REPORT OF ANIMALS USED BY	Y OR UNDER CONTROL O	F RESEARCH FACILITY	f (Attach additional sheets if nece	ssary 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 + O + 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					
alifornia ea lions	4	2	0	0	2
ommon arbor seals	7	2	0	0	2
alifornia ea otters	2	2	0	0	2
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 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)					
S'ALLER OF OF A CONSTRUCTION AS OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED			
		10/1/01			
£ Ді	3), which is obsolete PA	RT 1 - HEADQUARTERS			

(AUG 91)

additional informatio

0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 14-R-0030 CUSTOMER NO.

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)

BRANDEIS UNIVERSITY

GRANT, CONTRACT & PATENT ADMIN
P.O. BOX 9110
MAIL STOP 116
WALTHAM, MA 02254
(617) 736-2121

REPORTING FACILIT sheets if necessary.)	Foster	Biomedical	Research	rtual research,	testing, teaching CLES -	or experimentation Brandeis	, or held for these purposes University	s. Attach additional
			FA	CILITY LOCA	TIONS(sites)			

See Attached Listing

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 attached to this report)	F. TOTAL NO OF ANIMALS (Cois. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters	260	48			48
8. Rabbits		15			15
9. Non-Human Primates		_			
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
Gerbils		80			80
Gerbils Gray Squirrels		5			5

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, pnor to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate 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)						
Ē	:AL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED				
			10/1/01				

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. 14-R-0031

CUSTOMER NO. 127

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT) 2001 RCVD

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

ACAMBIS, INC. 38 SIDNEY STREET CAMBRIDGE, MA 02139

(617) 494-1339 3. REPORTING FACILITY (List all locations where 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 Listing				

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 tranquillzing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these 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			46		
9. Non-Human Primates					
10. Sheep					
11. Pigs		·			
12. Other Farm Animals					i
13. Other Animals					

- 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 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility 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 Executiv	BY HEADQUARTERS RESEARCH FACILITY OFFICIAL re Officer or Legally Responsible Institutional official) e 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

APHIS FORM 7023 (AUG 91)

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

AFTIO FUITH 1040 OILE LIST

The following sites have been reported by the facility.

Registration Number:

14-R-0031

Customer Number:

127

Facility:

ACAMBIS, INC. 38 SIDNEY STREET CAMBRIDGE, MA 02139

(617) 494-1339

ACAMBIS, INC. 38 SIDNEY STREET CAMBRIDGE, MA 02139

additional information

1. REGISTRATION NO. CUSTOMER NO.

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

UNITED STATES DEPARTMENT OF AGRICULTURE

ANIMAL AND PLANT HEALTH INSPECTION SERVICE

(TYPE OR PRINT)

14-R-0032 514

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

include Zip Code)

SHRINERS BURNS INSTITUTE 51 BLOSSOM STREET BOSTON, MA 02114 (617) 371-4900

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

FACILITY LOCATIONS(sides)				
See Attached Listing				_
	···			_
	:			

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			35		35
9. Non-Human Primates					
10. Sheep			30		30
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
ASSURANCE STATEMENTS				<u></u>	

- 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 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility 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 Executiv	BY HEADQUARTERS RESEARCH FA e Officer or Legally Responsible Inst e above is true, correct, and complete (7 U.S.C	itutional official)	
SIGNATURE OF C.E.O. OR INSTI		NAME & TITLE OF C.E.O. OR INSTITU		DATE SIGNED
SIGNATURE OF CLE.OF OR MOTO	. •		= =	
				111/12/01
			<u> </u>	11/13/01
AF	8-23 (Oct 88)	, which is obsolete	PART	1 - HEADQUARTERS

8-23 (Oct 88), which is obsolete

(AUG 91)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

10-24-(2000) OR CROVT)

1. REGISTRATION NO. 14-R-0041 CUSTOMER NO 133

FORM APPROVED CMB NO 0579-0036

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

BECKER COLLEGE 3 PAXTON STREET LEICESTER, MA 01524 (508) 791-9241

3. REPORTING FACILITY (List all locations where 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 Listing

Becker College

Lenfest Animal Health Building

955 Main St.

Leicester, MA 01524

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.	Number of animals upon which experiments, teaching, research, 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 ANIMALS (Cols. C + D + E)
4. Dogs		4	30		34
5. Cats		0	10		10
6. Guinea Pigs		30	0		30
7. Hamsters		0	0		0
8. Rabbits		6	0		6
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		0	0		0

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

espects of entitles core and aste.		
(Chief Executi	BY HEADQUARTERS RESEARCH FACILITY OFFICIAL ve Officer or Legally Responsible Institutional official)	
certify that the	e above is true, correct, and complete (7 U.S.C. Section 2143)	
Ĺ	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
		10.10.01

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

resuit in an order to cease and desist and to be subject to penalties as provided for in Section 2150.

additional information.

interagency medon Gantro: No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 14-R-0042 CUSTOMER NO. 122

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)

CYTOGEN RESEARCH & DEVELOPMENT, INC. 89 BELLEVUE HILL ROAD

WEST ROXBURY, MA 02132 (617) 325-7774

REPORTING FACILITY (List all locations where 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 Listing

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.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these 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	200	18	10	0	228
8. Rabbits					
9. Non-Human Primates		-			
10. Sheep					
11. Pigs					
12. Other Farm Animals					 .
13. Other Animals		-			
<u>, , , , , , , , , , , , , , , , , , , </u>			· · · · · · · · · · · · · · · · · · ·		
	<u> </u>	· · · · · · · · · · · · · · · · · · ·			
ASSURANCE STATEMENTS			<u> </u>		

- 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 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other

aspects of animal date and ode.		
CERTIFICATION	BY HEADQUARTERS RESEARCH FACILITY OFFICIAL	
(Chief Executive	e 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 OF INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
		10/01(01
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF CE O OF INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED

APrilo r Okim ruzo (AUG 91) PART 1 - HEADQUARTERS

tropiaces to Form 10-20 (Oct 88), which is obsolete

APHIS Form 7023 Site List

The following sites have been reported by the facility.

Registration Number: Customer Number:

14-R-0042

122

Facility:

CYTOGEN RESEARCH & DEVELOPMENT, INC.

89 BELLEVUE HILL ROAD WEST ROXBURY, MA 02132

(617) 325-7774

BRANDEIS UNIVERSITY BRANDEIS UNVERSITY FOSTER BIOMEDICAL RESEARCH BLDG. WALTHAM, MA 02254

CYTOGEN RESEARCH AND DEVELOPMENT 89 BELLEVUE HILL RD WALTHAM, MA 02132

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-0047 CUSTOMER NO. 455 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 Zin Code)

ARIAD PHARMACEUTICALS, INC.

ARIAD PHARMACEUTICALS, INC. 26 LANDSDOWNE STREET CAMBRIDGE, MA 02139 (617) 494-0400

 REPORTING FACILITY (List all locations where animals were housed or used in act sheets if necessary.) 	ual research, testing, teaching, or experimentation, or	held for these purposes. Attach additional				
FACILITY LOCATIONS(sites)						
See Attached Listing						

A. Animals Covered By The Animal Weifare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such 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					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 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 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility 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	BY HEADQUARTERS RESEARCH FACILITY OFFICIAL re Officer or Legally Responsible Institutional official) e 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)	11/19/01

ALDIS FORM 1025 (AUG 91) INEMIACES VS FORM 18-23 (Oct 88), which is obsolete

APHIS Form 7023 Site List

The following sites have been reported by the facility.

Registration Number:

14-R-0047

Customer Number:

455

Facility:

ARIAD PHARMACEUTICALS, INC.

26 LANDSDOWNE STREET CAMBRIDGE, MA 02139

(617) 494-0400

ARIAD PHAMACEUTICALS, INC. 26 LANDSDOWNE STREET CAMBRIDGE, MA 02139

additional information

3130-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 14-R-0052

CUSTOMER NO. 469

FORM APPROVED OMB NO 0579-0636

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

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

BIOGEN, INC. **DEVELOPMENT OPERATIONS** 12 CAMBRIDGE CENTER CAMBRIDGE, MA 02142 (617) 252 9200

3. REPORTING FACILITY (List all locations 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(sites)	
See Attached Listing	•		
			,
	•		

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 (Gols. C + D + E)
4. Dogs	0				0
5. Cats	0				0
6. Guinea Pigs	0				0
7. Hamsters	0				0
8. Rabbits					0
9. Non-Human Primates	0				Ö
10. Sheep	0				0
11. Pigs	0	*******			0
12. Other Farm Animals	0				00
13. Other Animals	0				0

- 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.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility 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 HEADQUARTERS RESEARCH FACILITY OFFICIAL ive Officer or Legally Responsible Institutional official) 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 of PI	II (240)
L A	ich is obsolete	PART 1 - HEADQUARTERS

(AUG 91)

The following sites have been reported by the facility.

Registration Number: Customer Number:

14-R-0052

469

Facility:

BIOGEN, INC. **DEVELOPMENT OPERATIONS**

12 CAMBRIDGE CENTER CAMBRIDGE, MA 02142

- (617) 262 9290 -

BIOGEN, INC. 12 CAMBRIDGE CENTER CAMBRIDGE, MA 02142

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-0056 CUSTOMER NO. 475 FORM APPROVED OM8 NO: 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

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

EPIX MEDICAL, INC. 71 ROGERS STREET CAMBRIDGE, MA 02142

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)

EPIX MEDICAL, INC.
CAMBRIDGE, MA 02142

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 anesthelic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these 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	5		143		143
7. Hamsters					
8. Rabbits	4		36		36
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 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 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility 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 Executiv	BY HEADQUARTERS RESEARCH FACILITY OFFICIAL ve Officer or Legally Responsible Institutional official) e 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
•		10/31/2001
	1	

APHIS FORM 7023 (AUG 91) result in an order to dease and desist and to be subject to penalties as provided for in Section 2150.

additional information

0185-CGA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 14-R-0061 CUSTOMER NO. 136

FORM APPROVED OMB NO. 0579-0636

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

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

SMITH COLLEGE CLARK SCIENCE CENTER/SMITH COLLEGE NORTHAMPTON, MA 01063 (413) 585-3959

3. REPORTING FACILITY (List all locations where 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 Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of animats being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing 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		167	8		175
8. Rabbits					
9. Non-Human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
Ferrets		5	22		27
Pine Voles		23			23
Prairie Voles		91			91

- 1) Professionally acceptable standards governing the care, treatment, and use of animais, 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 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other

200000000000000000000000000000000000000		
(Chief Executive	Y HEADQUARTERS 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

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

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 14-R-0061 CUSTOMER NO. 136

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/SMITH COLLEGE NORTHAMPTON, MA 01063 (413) 585-3959

REPORT OF ANIMALS USED BY					
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 ANIMALS (Cots. C + D + E)
Meadow Voles		19			19
Deer Mice		310			310
White footed mid	e	122			122
					y -
					!
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 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility 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 Executiv	BY HEADQUARTERS RESEARCH FACILITY OFFICIAL e Officer or Legally Responsible Institutional official) e 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)

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

APHIS Form 7023 Site List

The following sites have been reported by the facility.

Registration Number:

14-R-0061

Customer Number:

136

Facility:

SMITH COLLEGE

CLARK SCIENCE CENTER/SMITH COLLEGE

NORTHAMPTON, MA 01063

(413) 585-3959

SMITH COLLEGE SABINATED HALL

NORTHAMPTON, MA 01063

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-0050

CUSTOMER NO. 135 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)

BOSTON COLLEGE OFFICE OF RESEARCH ADMIN. MCGUINN HALL 600 CHESTNUT HILL, MA 02167

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

BOSTON COLLEGE
CHESTNUT HILL, MA 02167

A.	B. Number of	C. Number of	D. Number of animals upon		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, 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					
7. Hamsters					
B. Rabbits					
). Non-Human Primates					
10. Sheep		<u></u>			
11. Pigs					
12. Other Farm Animals					
13. Other Animals					

- 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 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate 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 (Type or Print)	DATE SIGNED			
		11/07/2001			

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. 14-R-0062

include Zip Codel

CUSTOMER 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)

P.O. BOX 513 AMHERST, MA 01004 (413) 253-5083

3. REPORTING FACILITY (List all locations where 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 Listing

Rabbit Research Facility

Rabbit Breeding Facility 1

Rabbit Breeding Facility / Rabbit Breeding Facility 2

Research Pig Facility

Research Goat Facility

				ssary 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.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to 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. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	450	20	247		267
9. Non-Human Primates					- <u>-</u>
10. Sheep					
11. Pigs			20		20
12. Other Farm Animals					·
Goats		6	12		18
13. Other Animals					· · · · · · · · · · · · · · · · · · ·
	<u> </u>				

- 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 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 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate 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 FACILIT	TY OFFICIAL
CERTIFICATION DI	HENDOONK I EKO	KESEARUH FAUILII	I OFFICIAL

fficer or Legally Responsible Institutional official)

ive 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

10/8/01

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. 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 14-R-0064

CUSTOMER NO. 717

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

include Zip Code) GELTEX PHARMACEUTICALS, INC.

153 SECOND AVE WALTHAM, MA 02451

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

REPORTING FACILITY (List all locations where animals were housed sheets if necessary.)	ed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach addition	onai
	FACILITY LOCATIONS(sites)	
GELTEX PHARMACEUTICALS, INC. WALTHAM, MA 02451		
	<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 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 ANIMAL: (Cais. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters			485		485
8. Rabbits	<u> </u>	56			56
9. Non-Human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals	-				
13. Other Animals					
		·			
ASSURANCE STATEMENTS		<u> </u>			

- 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 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility 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 Executiv	BY HEADQUARTERS RESEARCH FACILITY OFFICIAL e Officer or Legally Responsible Institutional official) e 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)	10/09/2001

APHIS FORM 7023 (AUG 91)

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

3. DEPORTING EACH ITY (List all locations where animals were housed or used in actual research testing, location or average

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-0066 CUSTOMER NO. 721 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)

 FARBYOTECH LABORATORIES, INC.

EMBRYOTECH LABORATORIES, INC. 323 ANDOVER STREET WILMINGTON, MA 01887

sheets if necessary.)						
FACILITY LOCATIONS(sites)						
EMBRYOTECH LABORATORIES WILMINGTON, MA 01887						
EMBRYOTECH LABS WILMINGTON, MA 01887						

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	232	1054			1054
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 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 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility 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	BY HEADQUARTERS RESEARCH FACILITY OFFICIAL o 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
		10/29/2001

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. 14-R-0068

CUSTOMER NO. 137

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)

WORCESTER POLYTECHNIC INSTITUTE 100 INSTITUTE ROAD WORCESTER, MA 01609

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

WORCHESTER POLYTECHNIC INSTITUTE
WORCESTER, MA 01609

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 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					
rats			179		179
mice			35	1000	35

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, pnor to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate 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 (Type or Print)	11/27/2001		

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

UNITED STATES DEPARTMENT OF AGRICULTURE CUSTOMER NO. 1. REGISTRATION NO. ANIMAL AND PLANT HEALTH INSPECTION SERVICE 14-R-0070

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USCA includa Zip Coda)

FOCAL, INC. CLINICAL & REGULATORY AFFAIRS 4 MAGUIRE ROAD LEXINGTON, MA 02173

(781) 280-7800

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

FACILITY LOCATIONS(##85)

See Attached Listing

INC 4 Magrine

A. Animals Coverad By The Animal Welfare Regulations	B. Number of snimsts being bred, candibaned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of enimets upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthatic, analgaeic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were canducted involving accompanying pain ar distress to the arimals 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 + O + E)
4. Dogs	0	0	0	0	0
5. Cals		0	0	0	0
6. Guinea Pigs	0	0	٥	Ö	
7. Hamsters	0	O	0	0	0
8. Rabbits	0	<u>o</u>	0	0	0
9. Non-Human Primates	0	0	U _	0	0
10, Sheep	0	0	٥	0	0
11, Pigs	0	0	0	0	0
12. Other Farm Animals	6	0	0	0	٥
	0	0	0	0	0
13. Other Animals	δ	0	0	0	0

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

(Chief Executiv	BY HEADQUARTERS RESEARCH FACILITY OFFICIAL o 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 IL TITLE DE C.E.O. OR INSTITUTIONAL OFFICIAL Evon or Printil	DATE SIGNED 12/13/01
		UCABOLLAGTEDS

APHIS FORM 7023 (AUG 91)

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

The following sites have been reported by the facility.

Registration Number:

14-R-0070

Customer Number:

729

Facility:

FOCAL, INC. CLINICAL & REGULATORY AFFAIRS

4 MAGUIRE ROAD LEXINGTON, MA 02173

(781) 280-7800

FOCAL, INC. 4 MAGUIRE ROAD LEXINGTON, MA 02173

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-0071 CUSTOMER NO. 128

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

See Attached Listing

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

JOSLIN DIABETES CENTER INC. ONE JOSLIN PLACE BOSTON, MA 02215

(617) 732-2474

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

FACILITY LOCATIONS(sites)

REPORT OF ANIMALS USED BY	Y OR UNDER CONTROL C	F RESEARCH FACILITY	Y (Attach additional sheets if nece	essary 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					
10. Sheep					
11. P i gs		100			100
12. Other Farm Animals					
13. Other Animals					
		l .			1

- 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 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility 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	BY HEADQUARTERS RESEARCH FACILITY OFFICIAL re Officer or Legally Responsible Institutional official) e above is true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIÁL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	10/23/6/

APHIS FOF, (AUG 91)

ASSURANCE STATEMENTS

RM 18-23 (Oct 88), which is obsolete

The following sites have been reported by the facility.

Registration Number:

14-R-0071

Customer Number:

128

Facility:

JOSLIN DIABETES CENTER INC.

ONE JOSLIN PLACE BOSTON, MA 02215 (617) 732-2474

ELLIOTT P. JOSLIN RESEARCH LAB ONE JOSLIN PLACE BOSTON, MA 02215

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. 14-R-0073

include Zip Code)

CUSTOMER NO. 749

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,

CAPRALOGICS, INC. 315 CZESKI ROAD P.O. BOX 356 HARDWICK, MA 01037 (413) 477-6612

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

See Attached Listing

FACILITY LOCATIONS(sites)

Czeski Road, Hardwich MAO103

A. Animals Covered By The Animal Weifare 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.	G. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of psinnelleving 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 aneathetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching. experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic analyseste, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these 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	کلا	198	37		235
9. Non-Human Primates	NA				1
10. Sheep	ø	8	a		10
11, Pigs	NA				
12. Other Farm Animals					
GOATS	28	36	15		79
13. Other Animals					\
ASSURANCE STATEMENTS		<u> </u>		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, teating, 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 Animat Care and Use Committee (IACUC). A summary of all 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility 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 Exec	ION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL cutive Officer or Legally Responsible Institutional official) at the above is true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF CE O DE INSTITUTIONAL PERIOLE	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
	,	Nov 23,01

APHIS FORM 7023 (AUG 91)

(Replaces V3 FORM 18-23 (Oct 88), which is obsolete

PART 1 - HEADQUARTERS Americal 12/10/01

Built in an order to dease and desist and to be subject to penalties as provided for in Section 2050 1. REGISTRATION NO.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

14-R-0074

756

OMB NO. 0579-0636

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

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

GENZYME TRANSGENICS CORPORATION

ONE MOUNTAIN ROAD FRAMINGHAM, MA 01701

3	. REPORTING FACILITY (List all locatio	ns where animals were housed o	r used in actual research, t	esting, teaching, or experime	ntation, or held for these purposes.	Attach additional
	sheets if necessary.)					
						

FACILITY LOCATIONS(sites)

See Attached Listing

Site 1: GTC Farm, Charlton Depot

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, expeniments, 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					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-Human Primates					· · · · · · · · · · · · · · · · · · ·
10. Sheep					
11. Pigs					
12. Other Farm Animals	.,,				
oats (Charlton	1) 723		1325		1325
13. Other Animals					

- 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 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other

HEADQUARTERS RESEARCH FACILITY OFFICIAL Milder or Legally Responsible Institutional official) ove is true, correct, and complete (7 U.S.C. Section 2143)	
NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)	Nov. 26.01
ich is obsolete PART	1 - HEADQUARTERS

UNITED STATES DEPARTMENT OF AGRICULTURE C#138

14R0018

1. REGISTRATION NO. -14-R-035

ORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 30-2001 RCVD 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Codej

Eunice Kennedy Shriver Center 200 Trapelo Road Waltham, MA 02254

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

FACILITY LOCATIONS (Sites)

ORT OF, NIMALS USED BY			(Attach adiditional shoets if ne-	cessary 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, lesting, experiments, research, or surgery bul not yel used for such 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, analgusic, or tranquitizing 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 anesthatic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, 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)
Dogs	0	0	-0	0	0
Cats	0	0	0	0	0
Guinea Pigs	Q	0	0	0	0
Hamsters	0	0	0	0	0
Rabbits	0	0	0	0	0
Non-human Primates	0	0	0	0	0
Sheep	0	0	0	0	0
Pigs	0	0	0	0	0
Other Farm Animals	0	0	0	0	0
Other Animals	Ö	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 anunal care and use.

	CERTIFICATION RY HEA	DOUARTES RESEARCH FACILITY OFFICIAL ally Responsible Institutional Official) rect, and complete (7 USC Section 2143)	
GNATURE OF C.E.O		ME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
PHIS FORM 702 (AUG 91)		ete)	<u> </u>

See reverse side for ... additional ir formation.

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

14-R-0079

1. REGISTRATION NO.

CUSTOMER 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)

MILLENNIUM PHARMACEUTICALS, INC 640 MEMORIAL DRIVE CAMBRIDGE, MA 02139 (617) 679-7000

3. REPORTING FACILITY (List all locations where 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 Listing

45 Sidney Street

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	<u> </u>	_			_
5. Cats	<u> </u>	_	_		_
6. Guinea Pigs	_	43	776	_	819
7. Hamsters		_		-	_
8. Rabbits		_			
9. Non-Human Primates					
10. Sheep			_		
11. Pigs		-		-	-
12. Other Farm Animals					
13. Other Animals					
<u> </u>					

- 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 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other

aspects of animal care and use.	•		
	ON BY HEADQUARTERS RESEARCH FACIL itive Officer or Legally Responsible Instituti the above is true, correct, and complete (7 U.S.C. Se	onal official)	
S	NAME & TITLE OF C.E.O. OR INSTITUTION	AL OFFICIAL (Type or Print)	DATE SIGNED
<u> </u>	98) which is chapleto	DART 1	HEADQUARTERS

(AUG 91)

See reverse s π additional information.

Interagency Report Control No. 0180-DOA-AN

1500

esult in an order to cease and design	it and to be subject to penal	ties as provided for in S	ection 2150.	ado	litional information	. 0180-DOA-AN	
	EPARTMENT OF AGRIC T HEALTH INSPECTION		1. REGI	STRATION NO. 14-R-008	31	FORM APPROV OMB NO 0579-0	
,	PE OR PRINT)		includ Univ Rese 600 Low	te Zip Code) versity of Massa earch Foundation Suffolk Street — ell, MA 01854	chusetts Lowel n 2 nd Floor Sout	h	
, REPORTING FACILITY (I sheets if necessary) Weed Hall, South C				search, testing, teac	hing, or experimen	tation, or held for these purposes. Atta	ech additional
		FACIL	ITY LOC	CATIONS (Site	s)		
Center for Chronic Diseasolomont Way, Univ. of			01854				
		•					
EPORT OF ANIMALS USED B	Y OR UNDER CONTROL	OF RESEARCH FACI	LITY (Attaci	n additional sheets ij	necessary or use A	PHIS 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. Numb which teaching surger condu- accome distress and for anesth	er of animals upon experiments, ag, research, y, or tests were cted involving panying pain or s to the animals r which appropriate etic, analgesic, or illizing drugs were	E. Number of a experiments, conducted in to the animal anesthetic, an have adverse interpretation 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 nalgesic, or tranquilizing drags would ily affected the procedures, results, or a of the teaching, research, surgery, or tests. (An explanation of ex producing pain or distress in these the reasons such drugs were not used ched to this report).	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
. Dogs							

1500

ASSURANCE STATEMENTS

13. Other Animals

Cats

9.

10. Sheep 11. Pigs

Guinea Pigs

Non-human Primates

Other Farm Animals

Hamsters Rabbits

- 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 aspect of animal care and use.

OFFICIAL NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print) DATE SIGNED 3/25/02	(Chief Executive (HEADQUARTERS RESEARCH FACILITY OFFICIAL Officer or Legally Responsible Institutional Official) ove is true, correct, and complete (7 U.S.C. Section 2143).	
	JOFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)	3/25/02

The following sites have been reported by the facility.

Registration Number:

14-R-0081

Customer Number:

139

Facility:

UNIVERSITY OF MASSACHUSETTS

600 SUFFOLK STREET 2ND FLOOR SOUTH LOWELL, MA 01854 (978) 934-4727

LOWELL RESEARCH CENTER 600 SUFFOLK STREET 2ND FLOOR SOUTH LOWELL, MA 01854

additional information.

Interegency Report Control No. 0180-003A-AN

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

1. REGISTRATION NO. 14-R-0082

CUSTOMER NO. 140

PORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS HESEARCH FACILITY (Name and Adams, as registered with USDA

include Zip Code)

TUFTS- NEW ENGLAND MEDICAL CENTER INC. 171 HARRISON AVENUE, NEMC #112 BOSTON, MA 02111

(617) 636-5615

3. REPORTING FACILITY (List all occitions where animals were housed or used in actual research, fosting, or expendium, or held for trees purposed. Altural productional FACILITY LOCATIONS(vins)

See Altached Listing

A. Anemais Covered By The Anemai Welfare Regulations	B. Number of animals being ored, conditioned, or need for use in innching, losting, experiments, rasearch, or aurgery but not yet used for such purposes.	C. Number of shinds upon which teaching, research, experiments, or tests were conducted involving no pain, desiring, or use of pain- relleving drugs.	D. Number of animals upon which experiments. Inathing, research, surgery, of tosts were conducted involving accompanying pain or distress to the animals and for writch appropriate anesthetic, analgesic, or tranquitizing drugs were used.	E. Number of primais upon which tabiling, experiments, respects, surgery of table were conducted involving accompanying pain or distress to the entimate that for which the use of appropriate anesthetic, analiges ic, or ironnuls ning drugs would have adversely affected the procedures, resultant, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of this incompany to tests, the explanation of this incompany, and the missing path or distress in them shareds and the missing such arrigs were his used must be attached to the moon?	TOTAL NO OF ANIMALS (Cals. C - D • E)
1. Dogs	0	0	98	0	98
5. Cats	0	2	5	0	7_
G. Cuinea Pigs	0	11	7	0	18
7. Hamsters	0	5	55	0	60
8. Rabbits	0	2	207	0	209
9. Non-Human Pomples	0	0	0	0	0
10. Sheep	0	0	63	0	63
11. Pigs	0	30	58	0	88
12. Other Ferm Animals					
13. Other Animals					
Chinchilla	0	0	4	0	4

- 1) (hotessionally acceptable standards governing the care, treatment, and use of shifteds, including appropriate ust of anosthers, analgesis, 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 ammatives to pentiul procedures.
- 3) This facing is eithering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations his specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to Identifying the IACUC-approved exceptions, this summary includes a brief explaination of the exceptions, as well as the species and number of names affected.
- 4) The strenging volenzarian for this research facility has appropriate authority to ensure the provision of adoquate veterinary care and to oversee the adequacy of other

uspecis of innimal caro and uso.		
(Chief Executiv	BY HEADQUARTERS RESEARCH FACILITY OFFICIAL to Officer or Logally Responsible Institutional official) to 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 (Typu or Print)	DATE SIGNED
`	20074	HEADOUADTEDE

(AUG 91)

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

40 SO 01 04:45b

The following sites have been reported by the facility.

Registration Number:

14-R-0082

Customer Number:

140

Facility:

TUFTS- NEW ENGLAND MEDICAL CENTER INC.

171 HARRISON AVENUE, NEMC #112

BOSTON, MA 02111 (617) 636-5615

TUFTS- NEW ENGLAND MEDICAL CENTER 171 HARRISON AVENUE, NEMC #112 80STON, MA 02111

0180-DOA-AN result in an order to lease and desist and to be subject to penalties as provided for in Section 2150 additional riformation.

UNITED STATES DEPARTMENT OF AGRICULTURE AFIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

CUSTOMER NO.

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT) 1-07-2001 RCVD

14-R-0083

705

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

FORM APPROVED OMB NO 0579-0036

include Zip Code) **424 BEACON STREET**

NEW ENGLAND COLLEGE OF OPTOMETRY BOSTON, MA 02115 (617) 236-6227

REPORTING FACILITY (List all locations where 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 Listing

REPORT OF ANIMALS USED BY 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 we're conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of 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)	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	0	_ 2	0	21
10. Sheep		· · · · · · · · · · · · · · · · · · ·			
11. Pigs					
12. Other Farm Animals					
Chickens	20	0	378	0	378
13. Other Animals					
Rats	78	0	634	0	634

- 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.
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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	BY HEADQUARTERS 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

APHIS FORM 7023 (AUG 91)

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

The following sites have been reported by the facility.

Registration Number:

14-R-0083

Customer Number:

705

Facility:

NEW ENGLAND COLLEGE OF OPTOMETRY

424 BEACON STREET BOSTON, MA 02115 (617) 236-6227

NEW ENGLAND COLLEGE OF OPTOMETRY 424 BEACON STREET BOSTON, MA 02115

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-0084

CUSTOMER NO. 141 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)

TUFTS UNIVERSITY

ASSOCIATE PROVOST FOR RESEARCH, INSTITUTIONAL OFFICIAL-BALLOU HALL MEDFORD, MA 02155

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

TUFTS UNIVERSITY
MEDFORD, MA 02155

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.	Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the 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 + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs		<u> </u>			
7. Hamsters			22		22
8. Rabbits					
9. Non-Human Primates	4	29			29
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
GERBILS			10		10
<u> </u>					

- 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 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility 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 C	HEADQUARTERS RESEARCH FACILITY OFFICIAL Officer or Legally Responsible Institutional official) tove 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
		10/29/2001

This points 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

1. REGISTRATION NO. 14-R-0085

CUSTOMER NO. 706

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

开 2 2 3001

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

CIRCE BIOMEDICAL, INC. 99 HAYDEN AVENUE LEXINGTON, MA 02421 (781) 863-8720

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 ECCA	(TiOns (sites)
See Attached Listing Swine Unit II N. GRAPTON MA	
200 Westborough Road	

B. Number of	C. Number of	D. Number of animals upon	F Number of animals upon which teaching.	F.
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, experiments, surgery, or tests. (An explanation 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)
	. <u></u>			
75	0	94	<u> </u>	94
	<u> </u>			
	animals being bred. conditioned, or held for use in teaching, 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. 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, or surgery but not yet used for such purposes. 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.	animals being bred. animals upon which teaching, research, experiments, or teaching, testing, experiments, or surgery but not yet used for such purposes. animals upon which teaching, research, experiments, or teaching, testing, experiments, or teaching, research, or surgery but not yet used for such purposes. animals upon which texperiments, research, surgery or tests were conducted involving accompanying pain or distress or teaching, research, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research. Experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research. Experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anisatist and for which the use of appropriate anisatist and for which appropriate anisatist and for which appropriate anisatist and for which the use of appropriate anisatist and for which the procedures, research.

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

AI	18-23 (Oct 88), which is obsolete PART	1 - HEADQUARTERS		
			150ct01		
S	FICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED		
	(Chief Executive	CERTIFICATION BY HEADQUARTERS 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)			

(MOG SI)

The following sites have been reported by the facility.

Registration Number:

14-R-0085

Customer Number:

706

Facility:

CIRCE BIOMEDICAL, INC. 99 HAYDEN AVENUE LEXINGTON, MA 02421

(781) 863-8720

CIRCE BIOMEDICAL , INC. SWINE UNIT # 2 200 WESTBOROUGH RD. NORTH GRAFTON, MA 01536

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 14-R-0086

include Zip Code)

CUSTOMER NO. 142

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) RCVD 12-03-200

BIOTEK, INC. 21-C OLYMPIA AVENUE WOBURN, MA 01801

(617) 938-0938

3. REPORTING FACILITY (List all locations where 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 Listing

175-H New Boston Street, Woburn, MA 01801

- 401 1.6.

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					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits		65	42		107
9. Non-Human Primates					
10. Sheep					-
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
		<u></u>			
		ļ			
ASSURANCE STATEMENTS		<u></u>			

- 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 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate 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 Executiv	e Officer or Legally Responsible Institutional official)	
I certify that the	e 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
		11/30/01

APHIS FURM /UZS (AUG 91)

(Replaces VS FORM 16-23 (Oct 68), which is obsolete

ace reverse sige ror 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-0089

CUSTOMER 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.

BOSTON BIOMEDICAL RESEARCH INSTITUTE 64 GROVE STREET WATERTOWN, MA 02472 (617) 742-3140

DEBOOTING EXCILITY	List all locations where animals were housed or used	in actual research, testing teaching.	or experimentation, or held for	those numbers Attach additional
A KEPUK ING PACIEST	Cost all locations where drivings were housed or doco	an detail resourcing testing, teaching,	or experimentation, or ried for	mese purposes. Attacm suditional
sheets if necessary.)				

FACILITY LOCATIONS(sites) See Attached Listing

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		*·i			
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	none	6	none	none	ω
9. Non-Human Primates					
10. Sheep			-		
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
ferrets	none	139	none	none.	139
**-					

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

aspects at artification of the same		
CERTIFICATION	BY HEADQUARTERS RESEARCH FACILITY OFFICIAL	····
(Chief Executive	e 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
		11/28/01

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. 14-R-0090 CUSTOMER NO. 134 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)

MOUNT IDA COLLEGE 777 DEDHAM STREET

NEWTON, MA 02159

3. REPORTING FACILITY (List all locations where 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)

KENNEL BLDG
NEWTON, MA 02159

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 tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing 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: (Cots. C + D + E)
4. Dogs			32		32
5. Cats			24		24
6. Guinea Pigs					
7. Hamsters			4		4
8. Rabbits			6		6
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 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 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION B	Y HEADQUARTERS RESEARCH FACILITY OFFICIAL				
(Chief Executive	Officer or Legally Responsible Institutional official)				
I certify that the a	bove is true, correct, and complete (7 U.S.C. Section 2143)				
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)				
		11/08/2001			

APHIS FORM 7023 (AUG 91)

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

sult in an order to see and desist and to be subject to penalties as provided for in Section 2150

additional information

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UNITE 1 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

3. REPORTING FACILITY (List all locations where 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 Listing

See Attached Listing

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. 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	1	0	1
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	139	592	0	731
7. Hamsters	0	9	710	0	719
8. Rabbits	0	35	458	0	493
9. Non-human Primates	0	0	18	0	18
10. Sheep	0	0	0	0	0
11. Pigs	0	0	79	0	79
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.
- 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 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			

The following sites have been reported by the facility.

Registration Number:

14-R-0092

Customer Number:

144

Facility:

Brigham & Women's Hospital

75 Francis Street Boston, MA 02115 617-732-6045

MAIN FACILITIES:

THORN BUILDING 20 Shattuck Street - 16th Floor Boston, MA 02115

MASSACHUSETTS COLLEGE OF PHARMACY (MCP) 181 Longwood Avenue - Lower Level Boston, MA 02115

LONGWOOD MEDICAL RESEARCH CENTER (LMRC) 220 Longwood Avenue - Lower Level Boston, MA 02115

SATELLITES:

Pine Acres Rabbitry/Farm (14-B-0052) 299 East Main Street, Norton MA 02766

Harvard Medical School (14-R-0019)

- ARCM Seeley G. Mudd Building (ARCM/SGMB)
 250 Longwood Avenue, Boston MA 02115
- ARCM Harvard Institutes of Medicine (ARCM/HIM)
 77 Avenue Louis Pasteur, Boston MA 02115

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

OMB NO. 0579-0036

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 14-R-0094 CUSTOMER NO. 145 FORM APPROVED

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

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

WELLESLEY COLLEGE 106 CENTRAL STREET WELLESLEY, MA 02481-828

	FACILITY LOCATIONS(sites)	
ELLESLEY COLLEGE ELLESLEY, MA 02481		

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					<u> </u>
7. Hamsters					
8. Rabbits			4		4
9. Non-Human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals		-			
		<u> </u>			·
					<u> </u>
_					

- 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 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility 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 Executiv	BY HEADQUARTERS RESEARCH FACILITY OFFICIAL e Officer or Legally Responsible Institutional official) e 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)	11/05/2001

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. 14-R-0096 CUSTOMER 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)

MC LEAN HOSPITAL CORPORATION MCLEAN HOSPITAL CORPORATION 115 MILL STREET BELMONT, MA 02478-9106

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

	FACILITY LOCATIONS(stes)	
MC LEAN HOSPITAL		
BELMONT, MA 02178		

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, 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)	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-Human Primates			129		129
10. Sheep					
11. Pigs					
12. Other Farm Animals) 			
13. Other Animals					
	<u> </u>				

- 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 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate 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 (Type or Print)	10/23/2001		

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. 14-R-0101

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE-OBSPRINT) RCVD

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

CUSTOMER NO.

147

TOXIKON CORPORATION 15 WIGGINS AVE BEDFORD, MA 01730 (617) 275-3330

3. REPORTING FACILITY (List all locations where 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 Listing

Tyngsborough, MA

University Of Nov Hammahire Dombon

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 expenments, 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	64	38	0	102
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	14,897	0	0	14,897
7. Hamsters	0	45	0	0	45
8. Rabbits	0	1,411	432	0	1,843
9. Non-Human Primates	0	0	0	. 0	00
10. Sheep	0	0	0	0	0
11. Pigs	0	0	21	0	21
12. Other Farm Animals	0	0	0	0	00
13. Other Animals	0	0	0	0	0

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.

4) The attending veterinarian for this research facility has appropriate 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)	
SI	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) DATE SIGNED
		11/30/01
AP	which is obsolete	PART 1 - HEADQUARTERS

(AUG 91)

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

³⁾ This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all 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 species and number of animals affected.

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-0107 CUSTOMER NO. 150

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)
 CENTER FOR BLOOD RESEARCH, THE

800 HUNTINGTON AVENUE BOSTON, MA 02115 (617) 731-6470

3. REPORTING FACILITY (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 Listing Center for Blood Research, Inc.	Harvard School of Public Health				
800 Huntington Avenue, Boston, MA 02115 First & Second Floor rodent rooms	667 Huntington Avenue, Boston, MA U2115 Room G3				

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 tranquillzing 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 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
:					

- 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 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other senects of arrival care and use

aspects of animal care and use.		
(Chief Executive	Y HEADQUARTERS 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

APHIS FORM 7023 (AUG 91)

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

The following sites have been reported by the facility.

Registration Number:

14-R-0107

Customer Number:

150

Facility:

CENTER FOR BLOOD RESEARCH, THE

800 HUNTINGTON AVENUE BOSTON, MA 02115

(617) 731-6470

CENTER FOR BLOOD RESEARCH 800 HUNTINGTON AVE BOSTON, MA 02115

MHXLBROCHX FARNIS XXXXRXX BOXX 51/3 AMHERSEX MAX RXXX

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

owns the rabbits. They are making

antibodies for (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 cause and desist and to be subject to peneities as provided for in Section 2150.

See reverse side for additional information.

919 716 5696 P. 04/08
httersgency Report Control No. 0180-004-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 14-R-0108 CUSTOMER NO. 517

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 2p Code)

NEW ENGLAND BIOLABS, INC. 32 TOZER ROAD BEVERLY, MA 01915 (978) 927-5054

REPORTING Facility (List all locations where enimals were housed or used in actual research, leating, teaching, or experimentation, or held for these purposes. Attach additional should it necessary.)

FACILITY LOCATIONS (siles)

See Attached Listing

32 Tozer Road, Beverly, MA

animals being bred, conditioned, or held for use in beching, testing, experiments, research, or surgery but not yet used for such purposes,	animais 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 annotheds, analgests, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pells or distress to the animals and for which the use of appropriate anisativelic, analysis, or tranquifizing 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).	TOTAL NO. OF ANIMALS (Cols. C + D + E)
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
	backing, testing, experiments, research, or surgery but not yet used for such purposes.	beaching, testing, experiments, research, or surgery but not yet used for auch purposes. O O O O O O O O O O O O O O O O O O O	held for use in boaching, testing, aspertments, cortects were conducted involving accompanying pain or delarmate to the entimete and for which appropriate analysis, or use of pain-nelleving drugs. O O O O O O O O O O O O O O O O O O O	held for use in testering, asting, extending, testing, te

- 1) Professionally acceptable standards governing the care, trestment, and use of enimals, including appropriate use of enesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is editering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all the 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 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.

(Chief Executive Light Country	BY HEADQUARTERS RESEARCH FACILITY OFFICIAL - Officer or Legally Responsible Institutional official) - above is true, correct, and complete (7 U.S.C. Section 2143)	
COMPANIE OF A PARTY TOWARD LOFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	12/11/01

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. CUSTOMER NO. 14-R-0109 151

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)

WHEATON COLLEGE RT. 123

Nort on ABBUSTON, MA 02766 (508) 286-5642

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 if necessary.)

		F	FACILITY LOCATIONS(sites)		
See Attached Listing				(b)(c) (b)(7)c	
Biology & Rycho	Dep Hoolandi	vriments.	(20/202)	(b)(6), (b)(7)c	
Mooms 1201.1	30 134 140	15			
REPORT OF ANIMALS USED BY					
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 (Cois. C + D + E)
4. Dogs	n/a				0
5. Cats	n/a	,			0
6. Guinea Pigs	Na				0
7. Hamsters	nla				O
8. Rabbits	nla				0
9. Non-Human Primates	n/a				v
10. Sheep	nla	1			0
11. Pigs	nla	!			0
12. Other Farm Animals	nja				0
			ļ!		
13. Other Animals	nla				0
	,				
					ļ
	1				
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 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

appears of Birms, our and and		
CERTIFICATION	BY HEADQUARTERS RESEARCH FACILITY OFFICIAL	
(Chief Executive	e Officer or Legally Responsible Institutional official)	
I certify that th	e 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
		10/5/01

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

The following sites have been reported by the facility.

Registration Number:

14-R-0109

Customer Number:

151

Facility:

WHEATON COLLEGE

RT. 123

ABINGTON, MA 02766

(508) 286-5642

WHEATON COLLEGE

RT. 123

NORTON, MA 02766

See reverse side for

14-R-0112

Interagency Report Control No

additional information. 1. REGISTRATION NO.

0180-DOA-AN FORM APPROVED

OMB NO. 0579-0036

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

Same as #2

sheets if necessary.)

See Attached Listing

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT) 11-29-2001 RCVD

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

CUSTOMER NO.

152

WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH NINE CAMBRIDGE CENTER

CAMBRIDGE, MA 02142 (617) 258-5104 3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

		F RESEARCH FACILITY	Y (Attach additional sheets if nece	issary 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, analyesic, 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 these 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					

168 chickens were reported on the Annual Report for

MIT because the chickens were housed there.

FACILITY LOCATIONS(sites)

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, 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 explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility 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	BY HEADQUARTERS RESEARCH FACILITY OFFICIAL e Officer or Legally Responsible Institutional official) e above is true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF G.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
		11/26/01

APHIS FORM 7023 (AUG 91)

11. Pigs

12. Other Farm Animals

ASSURANCE STATEMENTS

13. Other Animals

(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

EGISTRATION NO. 14-R-0114

CUSTOMER NO. 1792

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT) 11-26-2001 KCV6

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

MOUNT HOLYOKE COLLEGE **BIOLOGY DEPARTMENT** 50 COLLEGE STREET SOUTH HADLEY, MA 01075 (413) 538-2149

3. REPORTING FACILITY (List all locations where 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 Listing		· · · · · · · · · · · · · · · · · · ·			
	i				

A. Animals Covered By The Animal Welfare 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 tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	F. TOTAL NO. OF ANIMALS (Gobs. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters			CHSED		_
8. Rabbits	. "	COVERED AND	MALS		
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 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 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other ts 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)			
	IAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
	-	1	i i

APHIS FORM 7023 (AUG 91)

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

The following sites have been reported by the facility.

Registration Number:

14-R-0114

Customer Number:

1792

Facility:

MOUNT HOLYOKE COLLEGE BIOLOGY DEPARTMENT 50 COLLEGE STREET SOUTH HADLEY, MA 01075

(413) 538-2149

CLAPP LAB 50 COLLEGE ST. SOUTH HADLEY, MA 01075

interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

CUSTOMER NO. 1. REGISTRATION NO. 14-R-0116

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT) 12-03-2001 RCVD

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

153

GENETICS INSTITUTE, INC. 87 CAMBRIDGEPARK DRIVE

CAMBRIDGE, MA 02140 (978) 247-1190

3. REPORTING FACILITY (List all locations where 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)

Autories cionne

2 Burtt Road, Andover, MA-Building G

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, 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)	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs		12	40		52
5. Cats					
6. Guinea Pigs		10	18		28
7. Hamsters					
8. Rabbits		22	160		182
9. Non-Human Primates			90		90
10. Sheep					
11, Pigs					
12. Other Farm Animals					
13. Other Animals					
		<u> </u>			
• ,					

- 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.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility has 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 HEADQUARTERS RESEARCH FACILITY OFFICIAL	
(Chief Executiv	ve Officer or Legally Responsible Institutional official)	!
nat th	ne 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
		11/29/9
ct 88	3), which is obsolete	PART 1 - HEADQUARTERS

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 14-R-0119

FORM APPROVED OMB NO: 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Marine Biological Laboratory 7 Mbl Street Woods Hole, MA 02543

CUSTOMER NUMBER: 143

Telephone: (508) -289-7480

3. 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 (Sites) - See Atached Listing

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 ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs					
5. Cats				:	
6. Guinea Pigs	1				·
7. Hamsters	!				
8. Rabbits	<u> </u>		4		: 4
9. Non-human Primate	1				
0. Sheep					:
1. Pigs	-				
2. Other Farm Animals					
3. Other Animals					
			T		
•.					
			:		

SURANCE STATEMENTS

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

CERTIFICATION BY HEADQUARTERS 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			

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. 14-R-0123 CUSTOMER NO. 154 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)

OFFICIAL CORPORATION

GENZYME CORPORATION ONE KENDALL SQUARE BUILDING 1400

CAMBRIDGE, MA 02139-1562

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

FACILITY LOCATIONS(sites)

GENZYME CORPORATION CAMBRIDGE, MA 02139-1562

(b)(b)_(b)(7)c AMHERST, MA 01002

AMINERST, MA 01002

(b)(6), (b)(7)c NORTON, MA 02766 (b)(6), (b)(7)c LEXINGTON, KY 40511

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, 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)	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs			104		104
7. Hamsters					
8. Rabbits			317		317
9. Non-Human Primates					
10. Sheep					
11. Pigs			90		90
12. Other Farm Animals					
Goats			49		49
13. Other Animals					

- 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 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate 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 (Type or Print)	11/12/2001				

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

APHIS Form 7023 Corrections Required Information

APHIS review of your APHIS Form 7023 submissions have shown that the following corrections are required.

Registration Number:

14-R-0123

No Signature and Title

ort is riliquired by law (i7 USC 2143). Failure to report according to the regulations can	
an order to cease and desist and to be subject to penalties as provided for in Section 2	2150

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

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 14-R-00128 FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

with the USDA, include Sip Code)

Harvard University

Harvard University
Faculty of Arts & Sciences
24 University Hall
Cambridge, MA 02138
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.

3.

See attached.

REPORT OF ANIMALS USED	BY OR UNDER CON	ITROL OF RESEARC	H FACILITY (Attach additional sl	neets if necessary or use APHIS FORM 7023A.)	
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. 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	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	2	0	2
9. Non-human Primates	0	37	0	0	37
10. Sheep	0	0	0	0	0
11. Pigs (mini)	0	0	6	0	6
12. Other Farm Animals					
Goats	0	0	27	0	27
13. Other Animals				`	
Alligators :	1	0	3	0	3
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.
- 4. The attending veterinarian for this research facility has appropriate 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 CE O OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL	DATE SIGNED 11/29/01			

HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered

Interagency Report Control No. 0180-DOA-AN

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

with the USDA, include Sip Code)

24 University Hall Cambridge, MA 02138 Status: Active

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)
13. Other continued					
Birds (wild caught)	0	0	29	0	29
Chinchillas	1	0	0	0	0
Ducks (mallards)	0	0	12	0	12
Emus	4	0	0	0	0
Hyraxes	4	0	0	0	0
Wallabies	0	0	4	0	4
Guinea Fowl	0	0	10	0	10
African Hedgehog	1	0	0	0	0
European Ferret	1	0	0	0	0
Tinamous	o	0	12	0	12

- 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.

3

- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to 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	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL	DATE SIGNED 11/29/01			

APHIS Form 7023 Site List

The following sites have been reported by the facility.

Registration Number:

14-R-0128

Customer Number:

156

Facility:

HARVARD UNIVERSITY

FACULTY OF ARTS & SCIENCES

24 UNIVERSITY HALL CAMBRIDGE, MA 02138

617-432-1289

HARVARD UNIVERSITY/Faculty of Arts & Sciences 24 UNIVERSITY HALL CAMBRIDGE, MA 02138

Main Facilities of the Office for Animal Resources (OAR):

- OAR/The Biological Laboratories
 16 Divinity Avenue, Cambridge MA 02138
- OAR/Museum of Comparative Zoology 26 Oxford Street, Cambridge MA 02138
- OAR/William James Hall
 33 Kirkland Street, Cambridge MA 02138
- Concord Field Station
 Old Causeway Road, Bedford MA 01730

Interagency Report Control No 0180-DQA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 14-R-0133 CUSTOMER NO. 149 FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

See Attached Listing

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

TRANSKARYOTIC THERAPIES INC. 195 ALBANY STREET CAMBRIDGE, MA 02139

(617) 491-7630

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 sheets if necessary.)

**REPORTING FACILITY*

| Carrier |

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 B. Number of Number of E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress animals being animals upon which experiments. teaching, research. bred, conditioned, or which teaching, TOTAL NO. Animals Covered By The Animal research. surgery, or tests were to the animals and for which the use of appropriate OF ANIMALS Welfare Regulations held for use in experiments, or conducted involving anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of teaching, testing, iests were accompanying pain or (Cols. C + experiments. conducted distress to the animals D + E) and for which appropriate research or involving no surgery but not anesthetic, analgesic, or pain, distress, or the procedures producing pain or distress in these tranquilizing drugs were yet used for such animals and the reasons such drugs were not used ourposes. relieving drugs 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

- 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, teating, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate 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 O	fficer or Legally Responsible Institutional official)	
	I contiff that the alg	ove 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
	7		10/4/अ

APHIS FORM 7023 (AUG 91)

ASSURANCE STATEMENTS

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

Interagency Report Control No 0180-DOA-AN

NITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

. REGISTRATION NO. 14-R-0134 CUSTOMER NO. 518 FORM APPROVED OMB NO. 3579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

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

EISAI RESEARCH INSTITUTE OF BOSTON, INC.

EISAI RESEARCH INSTITUTE OF BOSTON, I 4 CORPORATE DRIVE ANDOVER, MA 01810

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

FACILITY LOCATIONS(sites)

EIISA! RESEARCH INSTITUTE
ANDOVER, MA 01810

A.	8. 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 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 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		,			
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, duning, 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 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other

aspects of animal care and use.	<u>-</u>	
(Chief Executiv	BY HEADQUARTERS RESEARCH FACILITY OFFICIAL re Officer or Legally Responsible Institutional official) e 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
	, <u>.</u>	11/20/2001

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

APHIS Form 7023 Additional Reported Sites

The following additional sites have been reported by the facility. The reported sites have not been verified by APHIS and have been provided by the facility solely for completeness of the APHIS Form 7023 Annual Reporting submission.

Registration Number:

14-R-0134

Customer Number:

518

Facility:

:

EISAI RESEARCH INSTITUTE OF BOSTON, INC.

4 CORPORATE DRIVE ANDOVER, MA 01810

Eisai Research Institute 100 Research Dr. Wilmington, MA 01887

N Interogency Report Control Vo. 0180 DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

Z. HEADI

14 - R - 0135 Cust. fD 159

1. REGISTRATION NO

APPROVED) 0579-0036

red with USDA

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

(b)(6) (b)(7)c Abbott Bioresearch Center 100 Research Drive Ground Floor Worcester, MA 01605

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 if necessary.)

FACILITY LOCATIONS (Siles)

	 -				
PORT OF ANIMALS USED BY C	OR UNDER CONTROL OF	RESEARCH FACILITY	f (Altach adidilional sheets if ne	cussary 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 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 invulving accompanying pain or distress to the animals and for which appropriate anesthetic, analysesic, or tranquilizing drugs were used.	E. Number of animals upon which leaching, 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 ANIMALS (Cols. C + D + E)
Dogs	0	0	0	0	0
Cats	0	0	0	0	0
Guinea Pigs	0	0	0	0	0
Hamslers	0	, 0	0	. 0	0
Rabbits	0	0	0	0	0
Non-human Primates	0	υ	0	0	0
Sheep	0	U	0	0	0
Pigs	0	0	0	0	U
Other Farm Animals	0	0	0	0	0
Other Animals	0	0	0	0	0
					
URANCE 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.

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

ATURE OF GEO. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
		12/10/01

⁾ 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 lastitutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

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

Interagency Report Control No 0180-DOA-AN

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

14-R-0137 1658 | omb NO. 0379-0036

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

CUSTOMER NO.

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

include Zip Code) Tranxenogen, Inc.

The Worcester Foundation of Exp

222 Maple Avenue

3. REPORTING FACILITY	(List all locations where animals were housed or used in actual research, testing, teaching, or	r experimentation at heis for these parposes 5 to additional
sheets if necessary.)		

FACILITY LOCATIONS (SRES)						
See Attached L	isting					
Pine	Acres	Rapput	Farm			

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, 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).	F. TOTAL NO. OF ANIMALS (Cois. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					ļ
8. Rabbits					
9. Non-Human Primates					
10. Sheep					
11. Pigs	Z				
12. Other Farm Animals					
13. Other Animals					
					-
:	1				

¹⁾ Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, pnor 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 the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a binef explanation of the exceptions. As well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate 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 CEO OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED					
		10/3001					

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 1. REGISTRATION NO. 14-R-0140

CUSTOMER NO. 1724

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

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

NITROMED, INC., 12 OAK PARK OF. MAO1730

sheets if necessary.)

See Attached Listing

(TYPE OR PRINT)-13-2001 RCVD

include Zip Code) NITROMED, INC. 12 OAK PARK DRIVE

BEDFORD, MA 01730 (781) 685-9700

REPORT OF ANIMALS USED 8	Y OR UNDER CONTROL O	F RESEARCH FACILITY	(Attach additional sheets if nece	ssary 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					
5. Cats					
6. Guinea Pigs					
7. Hamsters			10.6		10.6
8. Rabbits			136		13.6
9. Non-Human Primates					
10. Sheep					<u></u>
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
		,			
	<u> </u>				
•.	<u> </u>	l			
ASSURANCE STATEMENTS		se treatment and use of	soimale including sporopriate up	e of anesthetic, analgesic, and tranquilizing drugs, prior to,	during
and following actual resea	rch, teaching, testing, surge	ry, or experimentation we	animals, including appropriate using followed by this research facilities.	з от апсавлени, анагусаю, ано ванцингану оноуз, рног то. Гу	weilig,
Each principal investigator	has considered alternative	s to painful procedures.			

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

BEDFORD

FACILITY LOCATIONS(sites)

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all 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 species and number of animals affected.

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

Copedia di Ciminali Terra anni			
	(Chief Executive Off	FEADQUARTERS RESEARCH FACILITY OFFICIAL ficer or Legally Responsible Institutional official) re is true, correct, and complete (7 U.S.C. Section 2143)	
	t the abov	/e is true, correct, and complete (7 0.5.C. Section 2145)	
SIGNATU		NAME TITLE OF CEO OR INSTITUTIONAL CERCIAL /Tugo or Origi	0/3/01

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

3. REPORTING 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. REGISTRATION NO. 14-R-0141

CUSTOMER NO. 1767

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) ANTIGENICS, INC. 34 COMMERCE WAY

WOBURN, MA 01801 (781) 721-3500

sheets if necessary.) FACILITY LOCATIONS(sites) See Attached Listing

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 ANIMAL (Cols. C + D + E)
4. Dogs		<i>5</i> 4	+		
5. Cats			-		
6. Guinea Pigs		56	1		57
7. Hamsters					
8. Rabbits					
9. Non-Human Primates		·			
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
	<u> </u>				

- 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, teating, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to 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 Act, and that require the Interesting to the standards and regulatoris of the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility 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	BY HEADQUARTERS RESEARCH FACILITY OFFICIAL e Officer or Legally Responsible Institutional official) above is true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF CE OLOB INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED 11-16-01

APHIS FOF (AUG 91 FORM 18-23 (Oct 88), which is obsolete

APHIS Form 7023 Site List

The following sites have been reported by the facility.

Registration Number: Customer Number:

14-R-0141

1767

Facility:

ANTIGENICS, INC. 34 COMMERCE WAY WOBURN, MA 01801

(781) 721-3500

ANTIGENICS, INC 34 COMMERCE WAY **WOBURN, MA 01801**

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

Interugency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

14-R-0142

FORM APPROVED OMB NO. 0579-0038

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

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Antigenics, Inc., a Massachusetts Corp. 175 Crossing Blvd.

Framingham, MA 01702-4473

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

FACILITY LOCATIONS (Siles)

Antigenics, Inc., a Massachusetts Corp.

		r .		
1				
	<u></u>			
1	30	0	0	30
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		<u> </u>		
				<u> </u>
·— <u></u>	<u></u>			ļ
		I 30	1 30 0	

Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate 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 Annual 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.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) Figure 1 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			
. •			10-1-200			

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. 14-R-0143 CUSTOMER NO. 1788 FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

sheets if necessary.)

VERTEX PHAMACEUTICAL, INC.

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

Clude Zip Code)

VERTEX PHARMACEUTICA

VERTEX PHARMACEUTICALS, INC 130 WAVERLY STREET CAMBRIDGE, MA 02139

CAMBRIDGE, MA 02139					
REPORT OF ANIMALS USED BY	OR UNDER CONTROL (OF RESEARCH FACILITY	Y (Attach additional sheets if nece	essary 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 tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, 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					
6. Guinea Pigs					_
7. Hamsters					
8. Rabbits					
9. Non-Human Primates					
10. Sheep					
11. Pigs					
	1	4	1	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

FACILITY LOCATIONS(sites)

- 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 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate 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 Executiv	e 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
		10/25/2001

APHIS FORM 7023 (AUG 91)

12. Other Farm Animals

ASSURANCE STATEMENTS

13. Other Animals

(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

1. REGISTRATION NO. 14-R-0144

1799

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)

CHARLES RIVER LABORATORIES, INC. 251 BALLARDVALE STREET WILMINGTON, MA 01887 (978) 658-6000

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.)

See Attached Listing

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 tranquitizing 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 these animals and the reasons such drugs were not used must be attached to this report)	F. TOTAL NO. OF ANIMALS (Cots. C + D + E)
4. Dogs	13	177	107		284
5. Cats		175	63		238
6. Guinea Pigs		3	329		332
7. Hamsters		12			12
8. Rabbits	9	284	226		510
9. Non-Human Primates	611	1548	184		1732
10. Sheep	92	39	15		54
11. Pigs	15	95	242		337
12. Other Farm Animals					
Cattle		2			2
13. Other Animals					
Goats	3	7			7
Equine	18	-			

- 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 the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a bnef 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 other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or 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)

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

DATE SIGNED

12-10-2001

APHIS FI (AUG 91) Oct 88), which is obsolete

Attachment #1

Charles River Laboratories Customer #: 1799

USDA Research License #14-R-0144

251 Ballardvale Street (corporate headquarters) Site: 001

Wilmington, MA 01887 CountY: MIDDLESEX

978-658-6000

401 S New Hope Road Site: 002 Raleigh, NC 27610 1473

County: WAKE 919-231-0511

236 Blackmer Road Site: 003

Southbridge, MA 01550 0511

County: WORCESTER 508-765-9580

9801 Shaver Road Site: 012 Portage, MI 49062

County: KALAMAZOO 616-327-4248

587 Dunn Circle Site: 005

Sparks, NV 89431

County: WASHOE 775-331-2201

10326 Roselle Street Site: 800

San Diego, CA 92121

County: SAN DIEGO 858-623-0888

17667Road 24 Site: 009

Corcoran, CA 93212

County: TULARE 559-992-9182

additional information

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. CUSTOMER NO. 14-R-0145

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

11-30-2001 RCVD

include Zip Code) U.C.B.RESEARCH, INC. 840 MEMORIAL DRIVE

CAMBRIDGE, MA 02139 (617) 661-3400

1802

2. HEADQUARTERS 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 FACILITY LOCATIONS(sites)

See Attached Listing

840 Memorial Drive, first floor Cambridge, MA 02139

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.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these 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		608	406		1,014
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 appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, dunng, 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 (IACUC). A summary of all 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility 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 Executiv	BY HEADQUARTERS RESEARCH FACILITY OFFICIAL ve Officer or Legally Responsible Institutional official)	
	i centry that the	e above is true, correct, and complete (7 U.S.C. Section 2143)	
Si	L OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
	/		11/26/01

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

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

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

result in an order to cease and desist and to be subject to penalties as provided for in Section 2150.

REGISTRATION NO. CUSTOMER NO. 14-R-0147 8980

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)

INOTEK CORPORATION 100 CUMMINGS DRIVE SUITE 419E

BEVERLY, MA 01915 (999) 999-9999

3. REPORTING FACILITY (List all locations where 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 Listing

INDTEK, 100 CUMMINGS CENTER, SUITE 419E

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	c	O	C	Ó
5. Cats	0	-0	6	Ć	0
6. Guinea Pigs	0		0	6	U
7. Hamsters	0	0	c	C	0
8. Rabbits	0	6	6	0	0
9. Non-Human Primates	0	c	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	O	0
12. Other Farm Animals	10	0	6	Ö	_0
13. Other Animals	0	O	6	0	O

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

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 (Type or Print)	DATE SIGNED				

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

PART 1 - HEADQUARTERS

(AUG 91)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 14-R-0148

CUSTOMER NO. 9446

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.

DAVINCI BIOMEDICAL RESEARCH PRODUCTS, INC. 20 MAPLE ST

PO BOX 1125 SOUTH LANCASTER, MA 01561

3. REPORTING 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)

DAVINCI BIOMEDICAL RESEARCH PRODUCTS, INC. SOUTH LANCASTER, MA 01561

DAVINCI BIOMEDICAL RESEARCH PRODUCTS, INC.

COUTH LANCASTED MA 01561

			(Attach additional sheets if neces		-
A. Animals Covered By The Animal Welfare 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, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain 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		3	133		136
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits			6		6
9. Non-Human Primates			30		30
10. Sheep					
11. Pigs			8		8
12. Other Farm Animals					
13. Other Animals					

- 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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CERTIFICATION I	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 (Type or Print)	DATE SIGNED
		10/26/2001

APHIS FORM 7023 (AUG 91)

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

Interagency Report Control No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

14-R-0149

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

DuPont Pharmaceuticals Co. Medical

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

Imaging 331 Treble Cove Rd. North Billerica, 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 sheets if necessary.)

FACILITY LOCATIONS (Sites)

Building 500-1

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 fests were conducted involving accompanying pain or distress to the ammals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation 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)
I. Dogs		, · · · · ·	10		10
5. Cats					
5. Guinea Pigs					
7. Hamsters					
3. Rabbits					
). Non-human Primates	12		33		45
0. Sheep					
1. Pigs					
2. Other Farm Animals					
3. 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 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 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 SIGNED		
		10/1/01		

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

Interagency Report Control No. 9133-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 14-R-0150 CUSTOMER NO. 10717

FORM APPROVED OM6 NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

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

ALKERMES, INC.

ALKERMES, INC 64 SIDNEY ST CAMBRIDGE, MA 02139 (617) 494-0171

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

See Attached Listing
345 Vassar Street 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.	Number of animals upon which experiments, teaching, research, 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		· · · · · · · · · · · · · · · · · · ·	842		842
7. Hamsters					<u></u>
8. Rabbits			<u> </u>		
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 appropriate use of anesthetic, analgesic, and tranquilizing drugs, pnor 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 the exceptions is attached to this annual report, in addition to identifying the IACUC-approved exceptions, this summary includes a binef explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other

; FORM 18-23 (Oct 88), which is obsolete

aspects of animal care and use.	(Chief Executiv	BY HEADQUARTERS RESEARCH FACILITY OFFICIAL re Officer or Legally Responsible Institutional official) e 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
			11/13/01

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

14-R-0151

3. REPORTING 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)

CUSTOMER NO. 11236

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

FORM APPROVED OMB NO. 0579-0036

DATE SIGNED 10/02/2001

PART 1 - HEADQUARTERS

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

ASTRAZENECA WALTHAM, MA 02451

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

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

APHIS FORM 7023

(AUG 91)

include Zip Code) **ASTRAZENCA** 35 GATEHOUSE DR

WALTHAM, MA 02451

REPORT OF ANIMALS USED BY OF	R UNDER CONTROL O	F RESEARCH FACILITY	(Attach additional sheets if neces	Sany or use APHIS FORM 7023A)	
MET ON TO MINIMALE COLL D. C.			,	day or ase at the contin versity	***
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or heid for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain 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					
					• -
ASSURANCE STATEMENTS		- treatment and treatment	nimale including consociate	of anathotic analogoic and term illuing days and term	ducina
 Professionally acceptable stan- and following actual research. 	idards governing the car teaching, testing, surger	e, treatment, and use of a ry, or experimentation wer	nimals, including appropriate use e followed by this research facility	of anesthetic, analgesic, and tranquilizing drugs, prior to,	aunng,
2) Each principal investigator has					
principal investigator and appro	oved by the Institutional	Animal Care and Use Cor	nmittee (IACUC). A summary of	standards and regulations be specified and explained by th all the exceptions is attached to this annual report, in s, as well as the species and number of animals affected.	•
 The attending veterinarian for t aspects of animal care and use 	e.			eterinary care and to oversee the adequacy of other	
			QUARTERS RESEARCH		i
			er Legally Responsible I le, correct, and complete (7 L		

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. 14-R-0152 CUSTOMER NO. 12456

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)

GWATHMEY, INC. 763 CONCORD AVE BLDG E CAMBRIDGE, MA 02138 (617) 491-0022

3. REPORTING FACILITY (List all locations where 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)

GWATHMEY, INC. 763 CONCORD AYE., BLDG, E CAMBRIDGE, MA 02138

Α.	B. Number of	C. Number of	D. Number of animals upon	ssary 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, expenments, 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.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these 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			80		80
7. Hamsters					<u></u> .
8. Rabbits					·
9. Non-Human Primates					·
10. Sheep					<u></u>
11. Pigs					
12. Other Farm Animals					
13. Other Arimals					
					-
· · · · · · · · · · · · · · · · · · ·					
•					

- 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 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility 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 Executi	BY HEADQUARTERS RESEARCH FACIL ve Officer or Legally Responsible Instituti e above is true, correct, and complete (7 U.S.C. Se	ional official)	
SIGNATURE OF CEO OF INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTION	NAL OFFICIAL (Type or Print)	DATE SIGNED 10/9/01
	rhich is obsolete	PART 1	- HEADQUARTERS

additional information

Interagency Report Control No.

UNITED STATES DEPARTMENT OF AGRICULTURE

REGISTRATION NO.

0180-00A-AN

ANIMAL AND PLANT HEALTH INSPECTION SERVICE

14-R-005453

CUSTOMER NO. 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)

SERA SOURCE, INC. P.O. BOX 58 58 S. ROYALSTON ROAD ROYALSTON, MA 01368 (978) 249-0974

471

3. REPORTING FACILITY (List all locations where 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 Listing ROOMS

REPORT OF ANIMALS USED BY		F RESEARCH FACILITY		ssary 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.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which 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 explanation of the procedures producing 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		6			6
8. Rabbits		189			189
9. Non-Human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
Goats		4			4
13. Other Animals	- Add to the state of the state	, , , , , , , , , , , , , , , , , , ,			
:	1				

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

:8-23 (Oct 88), which is obsulete

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional official)		f animal care and use.	· · · · · · · · · · · · · · · · · · ·
I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)	Executive Officer or Legally Responsible Institutional official)	(Chie	
DATE SIGNI	CIAL NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)		12/20/01

(AUG 91)

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 14-R-0154

CUSTOMER NO. 148

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

include Zip Code) **BAYSTATE MEDICAL CENTER** 759 CHESTNUT STREET

SPRINGFIELD, MA 01199 (413) 794-4356

2. HEADQUARTERS 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(sites)

BAYSTAM MULCAL CENTUR SU. CAMPUS

A.	8. Number of	C. Number of	D. Number of animals upon	ssary 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 teaching, 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, experiments, surgery, or tests. (An explanation 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			<u> </u>		
8. Rabbits					
9. Non-Human Primates					
10. Sheep					
11. Pigs			14		14
12. Other Farm Animals					
13. Other Animals					*
		- 11 .			

- 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.

(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 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other

aspects of attitue care	and dae.		
	(Chief Executive	BY HEADQUARTERS RESEARCH FACILITY OFFICIAL officer or Legally Responsible Institutional official)	
1	I certify that the	above is true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF C.E.O. C	R INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
			11/20/0
APHIS FORM 7023	(Replaces VS FORM 18-23 (Oct 88),	which is obsolete PART 1 - I	IEADQUARTERS

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 14-R-0155 CUSTOMER NO. 13275 FORM APPROVED OMB NO: 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT) 11-23-2001 RCVD HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

MASSACHUSETTS COLLEGE OF PHARMACY & HEALTH 179 LONGWOOD AVE BOSTON, MA 02115 (617) 732-2942

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 if necessary.)

Same as number 2 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.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these 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	0	0	1410	0	1410
8. Rabbits	NA				
9. Non-Human Primates	NA				
10. Sheep	NA				
11. Pigs	NA				
12. Other Farm Animals	NA				
13. Other Animals	NA				
••					

- 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 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 species and number of animals affected.
- 4) The attending veterinanan for this research facility 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 r or Legally Responsible Institutional official) true, correct, and complete (7 U.S.C. Section 2143)	
!	NAM	ME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
			11/14/01

Armo i okin zvzu (AUG 91) (mapiaces to room joing four up), which is obsolete

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

REGISTRATION NO. 14-R-0156

CUSTOMER NO. 749

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)

CAPRALOGICS, INC. 315 CZESKI ROAD P.O. BOX 356 HARDWICK, MA 01037 (413) 477-6612

3. REPORTING FACILITY (List all locations where 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 Listing
315+235 Czeski Road, Hardwille 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 teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these 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	Ø	196	70		266
9. Non-Human Primates					
10. Sheep	Ø	1			1
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
60ATS	16	27	6		49

- 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 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility 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	HEADQUARTERS RESEARCH FACILITY OFFICIAL Writer or Legally Responsible Institutional official) ove is true, correct, and complete (7 U.S.C. Section 2143)	
SIGNA	ÇIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	IZ/10/CI

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. 14-R-0157 CUSTOMER NO. 14167

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)

CELL SIGNALING TECHNOLOGY, INC.

166 B CUMMINGS CENTER

166 B CUMMINGS CENTER BEVERLY, MA 01915 (978) 867-2300

3. REPORTING FACILITY (List all locations where 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)

166B CUTHINGS CENTER BEVERLY, 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 teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these 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	0	0	0	0
5. Cats	0	0	O	c	0
6. Guinea Pigs	0		O	ຍ	0
7. Hamsters	0	0	O	ပ	0
8. Rabbits	0	0	1	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	<u>ව</u>

- 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 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility 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 Executi	BY HEADQUARTERS RESEARCH FACILITY OFFICIAL ve Officer or Legally Responsible Institutional official) e above is true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE AS C S O OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	10/2/2001

tM 18-23 (Oct 88), which is obsolete

PART 1 - HEADQUARTERS

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(AUG 91)

additional eformation.

0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 14-R-0009 CUSTOMER NO. 105

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT) -29-2001 RCVD

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

BOSTON UNIVERSITY MEDICAL SCHOOL 80 E. CONCORD STREET BOSTON, MA 02118 (617) 732-2942

3. REPORTING FACILITY (List all locations where 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 Listing

Boston University Medical Center

Lab Animal Science Center, 700 Albany St

REPORT OF ANIMALS USED BY	R UNDER CONTROL O	F RESEARCH FACILITY	(Attach additional sheets if nece	ssary 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 analyssic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these 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	Ø	ø	Ø	Ø
5. Cats	Ø	Ø	3 1	Ø	31
6. Guinea Pigs	Ø	ø	15	Ø	15
7. Hamsters	Ø	6	Ø	ø	6
8. Rabbits	ø	225	339	Ø	564
9. Non-Human Primates	Ø	14	26	Ó	40
10. Sheep	Ø	Ø	Ø	Ø,	Ø
11. Pigs	<u> Ø</u>	Ø	94	Ø	94
12. Other Farm Animals	Ø	Ø	ø	Ø	Ø
13. Other Animals					
frogs, salamenders	Ø	84	39	Ø	123
ferrets	Ø	3	Ø	Ø	3
chinchillas	ϕ	ϕ	261	14	275
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 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 species and number of animals affected.
- 4) The attending veterinarian for this research facility 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 C	HEADQUARTERS RESEARCH FACILITY OFFICIAL Officer or Legally Responsible Institutional official) ove 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



Boston University School of Medicine

Laboratory Animal Science Center Center for Advanced Biomedical Research

700 Albany Street, W707 Beston, Massachusetts (2)18/2518

26 November 2001

United States Department of Agriculture Marketing and Regulatory Programs APHIS / Animal Care 920 Main Campus Drive, Suite 200 Raleigh, NC 27606 Ph. 919-716-5532

Subject:

Annual Report of Research Facility for 1 Oct 2000 through 30 Sept 2001

USDA Registration # 14-R-0009

To whom it may concern:

Enclosed please find our annual statistical report (APHIS Form 7023) pertaining to research activities at Boston University Medical Center. The use of covered animal species reported in USDA Category E (animal pain &/or distress without alleviation) is explained in the following section.

Chinchillas were used in studies of middle ear infection treatment and prevention. A bacterial isolate (*Streptococcus pneumoniae* or *Hemophilus influenzae*) was inoculated directly into the middle ear cavity of an anesthetized chinchilla to establish middle ear infection. The infection typically remained localized in the middle ear cavity, where the disease process was monitored closely over 7-10 days. Some bacterial isolates proved to be aggressively invasive and caused septicemia (generalized blood infection) in individual animals. Of the 275 chinchillas used in these studies, 14 (approximately 5%) may have experienced pain &/or distress due to development of sepsis. Chinchillas that had signs of sepsis (e.g., anorexia, respiratory distress, or lethargy) were provided with euthanasia. These animals may have experienced some pain &/or distress prior to provision of euthanasia. More commonly, the animals were found dead due to peracute onset of septicemia with few or no premonitory clinical signs. Death was not used as the study endpoint. The development of sepsis was an unpredictable and undesired side effect of the model. Euthanasia was provided to chinchillas as soon as signs of sepsis were clinically evident.

Please contact me at 617-638-4089 if any additional explanation regarding our 2000-2001 report is required.

Sincerely,



01 Categ. E

additional information

0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE CUST. 130

14-R-0035

1. REGISTRATION NO. _14_R-035^ 14-R-007

FORM APPROVED OMB NO 0579-0036

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

University of Massachusetts Medical 55 Lake Avenue, North

Worcester, MA 01655

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

sheets if necessary)

Same as above

FACILITY LOCATIONS (Sites)

Jamaica Plain Campus, 305 South Street

Jamaica Plain, MA 02130 DODGET OF MINALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Affacts admittageal squares of user 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. Attach additional

REPORT OF NIMALS USED BY O	IR 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 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 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	б	228	80 .	554	862
7. Hamsters	0	181	182	90	453
8 Rabbits	0	253	227	- 0	480
9. Non-human Primates	0	0	15	. 0	15
10. Sheep	0	0	19	0	19
11. Pigs	0	0	94	0	94
12. Other Farm Animals					
Toad/Frog	103	310	5.7	0	367
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, teaching, testing, surgery, or experimentation were followed by this research facility

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

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

4) The untending 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 annual care and use.

EADQUARTES RESEARCH FACILITY OFFICIAL
cer or Legally Responsible Institutional Official)
ove 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 50

APHIS FORM 702 (AUG 91)

SIGNATURE OF C.E.O. OF

-(1667

DACT 4 LICADOLLACTER

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 Nu	ımber:	-R-0035
2. Number	54	of animals used in this study.
3. Species (common	n name) Guinea Pig	of animals used in this study.
arations. The animal noglobulin sold for -diptheria serum and s is monitored. Surv	experimentation is human use have no le known amounts of to ival 96 hours will i	and/or distress. of diptheria anti-toxin in human immunoglobulin based on FDA-required protocol to establish that ess than 2 antitoxin units/ml. A mixture of exin is injected subcutaneously and survival up to indicate the presence of at least 2 antitoxin U/mlay survival or at well-defined signs of discomfort
relieved. State met	thods or means used to	in and/or distress could not be determine that pain and/or distress or Federally mandated testing, see
Required		•
·		
the Code of Federa		e this procedure? Cite the agency, le number and the specific section

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:	14-R-0035	
2. Number	90	of animals used in this study.
3. Species (common name)	Hamster	of animals used in this study.
4. Explain the procedure proc Oral mucositis is produced either in flurouracil) or by x-irradiation of th FU are made IP on days 0 & 2; X-r Progressive ulceration peaks at day weeks. 5-Fu injected animals avera lethargy and diarrhea. Irradiated an Test animals will receive various cy	ntraperitoneal injective left buccal pouch ay dosage is 35 gy 14 and recovery or age about 25% weight imals grow and belongers.	tion of 5-FU (five- a. 2 injections of 5- given on day 0. ccurs at about 3 ght loss, with have normally.
State methods or means used interfere with test results. (Fo No combination of computer model these sensitive tissues to treatments available to evaluate the protective Since the main emphasis of this resmeans of relieving pain and distress number of animals utilized, because created by 5-Fu or irradiation. The anesthesia, may mask symptoms of IACUC approved this study produstifying use of each potential cytominimized. 5. What, if any, federal regulation of Federal Regulation	to determine that it is rederally man is or cell culture hat, so the hamster cheeffects of drugs for earch is to test the est can be used. The est of the need to obstaddition of another other drugs being the vided 1) a record be approtective agent an attions require the	d/or distress could not be relieved. at pain and/or distress relief would dated testing, see question 6 below) is yet replicated the complex reactions of eek pouch system is the most reliable means reventual human use in cancer therapy. Efficacy of new or novel treatments, no use of analgesics would greatly increase the erve the specific inflammatory conditions variable, that of pain relieving analgesics or tested. Ekept of preliminary data from the sponsor, and 2) the number of control animals must be number and the specific section
number (e.g., APHIS, 9 CFR	113.102):	·

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: _	14-R-0035	
2. Number	450	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.

The potency test for the diptheria toxoid component of vaccines is performed on all lots of vaccine intended for use in humans. A group of eight guinea pigs is immunized subcutaneously with 0.75 mL of vaccine. Four weeks after immunization sera are drawn intracardially from anesthetized animals. The sera are pooled and dilutions of the serum pool are incubated in-vit with a known amount of diptheria toxin. The ability of antibodies in the guinea pig serum pool to neutralize the toxin is measured by injecting the toxin:serum mixtures intraperitoneally in pairs from another group of guinea pigs. The potency of the vaccine is calculated from the highest serum pool dilution that protects guinea pigs from 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. (For Federally mandated testing, see question 6 below)

FDA, NIH Required

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_	78D-04381	
0 122	NIH for Diptheria toxoid		Sec 3.3 4th Rev., 3/1/4	7
	NIH for Td vaccine		Sec. 3.2. 8/25/53	

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE IN UV

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1 REGISTRATION NO.

FORM APPROVED
OMB NO. 0579-0036

d with USDA

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS DESERVED Include Zi, 14.R-0006. Cust ld 102

PRIMEDICA CORPORATION 57 UNION STREET WORCESTER, MA 01608

3. REPORTING FACILITY (List all locations whe streets if necessary)	re ammals were housed or used in actual	research, lesting, lauring, or experimentation, or held for these purposes. Attach additional		
FACILITY LOCATIONS (Siles)				
Primedica Worcester	57 Union Street	Pine Acre Rabbitry/Farm 299 E. Main St.		
Worcester MA 01608		Norton, MA 02766		
		Pharm Services ' 236 Blackmere Road		
		Southbridge, MA 01550		

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being beed, 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-refleving 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	-	152	651	1	804
5. Cats			-	_	_ `
6. Guinea Pigs		-	<u>-</u>	<u> </u>	_
7. Hamsters		90	<u> </u>	_	90
8. Rabbits	_	57	301	<u>-</u>	358
9. Non-human Primates	_	301	677	38	1016
10. Sheep			12	_	12
`11. Pigs	<u> </u>	10	153	-	163
12. Other Farm Animals			-	<u>-</u>	_
Cows	_		8	_	8
13. Other Animals					

ASSURANCE STATEMENTS

- 1) 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, 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 Responsible Institutional Official) Certify that the above is true, correct, and complete (7 USC Section 2143).			
SICALITICS OF A SIGNAL PROPERTY OF THE SIGNAL	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)

KACC

USDA ANNUAL REPORT

IACUC-APPROVED EXCEPTIONS TO REGULATIONS AND STANDARDS

The IACUC and the Attending Veterinarian or Clinical Veterinarian must approve exemptions from non-human primate social housing and dog exercise activities. Monitoring of these animals during the period that they are exempted is performed by the technical staff with oversight from the Clinical Veterinary staff to ensure that the animals do not exhibit stereotypic behaviors that are detrimental to their overall health and well-being. The following exceptions to Primedica standards/regulations were approved by the IACUC during this reporting period.

Species:

Macaca sp. (Cynomolgus and/or Rhesus)

Number:

211

All animals were on studies for an SIV model for AIDS. Because these animals were infected with known viral loads, social housing was not permitted. External stimuli such as radios, televisions and conspecific visualization were provided. Animals were evaluated for stereotypic behaviors during quarantine. Animals that developed stereotypic behaviors were routinely monitored and treated with appropriate therapeutics and the behaviors were reduced or eliminated. (Primedica study 4-ENW-300, 4-ENW-400, 99-009, 99-010, 99-012, 99-013, 99-014, 99-015, 99-017, 99-018, 99-019, BBAW-103, GIAW-102, PKAW-100, WVAW-100)

Species:

Macaca sp. (Cynomolgus and/or Rhesus)

Number:

50

All animals were on studies using radiolabeled test articles. Social housing, environmental enrichment devices inside the cage and/or dietary restrictions (no fruit peels or peanut shells) were withheld after dose administration for 5-12 days during sample collection. External stimuli such as radios, televisions, and conspecific visualization were provided. Environmental enrichment devices were allowed outside the cage. (Primedica study JLAZ-122, ODAZ-107, GIAZ-108, LIAZ-109, LIAZ-130, MAPZ-106, MBAZ-194, MQAZ-100, QEAZ-133, QEAZ-137, QYAZ-103)

Species:

Canis familiaris (Dog)

Number:

88

All animals were on studies using radiolabeled test articles. Social housing, exercise and/or environmental enrichment devices inside the cage were withheld after dose administration for 3-14 days during sample collection. The square footage of the caging met all requirements for housing the animals, however, it did not meet the additional space needs to eliminate the requirement for exercise outside of the cage. The animals were observed daily for signs of distress from lack of exercise during the exemption period. No animals were noted to be adversely affected during this period. (Primedica study AFAZ-145, AFAZ-148, AFAZ-152, AFAZ-154, BCAZ-101, GIAZ-107, GIAZ-112, GIAZ-117, LIAZ-114, LIAZ-117, LIAZ-118, LIAZ-121, LIAZ-123, MBAZ-193, SNAZ-103)

Species:

Macaca mulatta (Rhesus)

Number:

- 3

All animals were on a study with a radiolabeled test article administered dermally. Chair restraint for 8 hours was necessary to prevent ingestion of the test article or loss of the test article by rubbing the administration site. To alleviate the boredom of restraint, a TV video set-up was used. In addition, efforts were made to ensure the animals' comfort during this period. On at least three occasions during the chairing procedure, each arm was individually untied from the chair and massaged for 2 or 3 minutes to promote circulation. In addition, a Primedica veterinarian or designee observed the animals during the chair restraint period at approximately 4 hours following dose administration and every 2 hours thereafter until the animals were returned to their metabolism cages. Research and/or veterinary personnel observed the animals throughout the day and recorded any changes in behavior or appearance as part of the post-dose observations. (Primedica study MQAZ-100)

Species:

Macaca sp. (Cynomolgus and/or Rhesus)

Number:

4

All animals were part of studies to evaluate cardiovascular physiological parameters in telemetry-instrumented animals. The animals could not be socially housed during the data collection phase to ensure accurate data collection. Information was collected over 5-53 days. External stimuli such as radios, televisions, and conspecific visualization were provided. (Primedica study UOAW-156, VKAW-176, VKAW-170, TCAW-101, TCAW-102)

Species:

Canis familiaris (Dog)

Number

7

All animals were part of studies to evaluate cardiovascular physiological parameters in telemetry-instrumented animals. The animals could not be socially housed during the data collection phase to ensure accurate data collection. Information was collected over 14-56 days. The square footage of the caging met all requirements for housing the animals, however, it did not meet the additional space needs to eliminate the requirement for exercise outside of the cage. The animals were observed daily for signs of distress from lack of exercise during the exemption period. No animals were noted to be adversely affected during this period. (Primedica study WTAW-107, KPAW-106, UNAW-101)

Species:

Macaca sp. (Cynomolgus and/or Rhesus)

Number:

219

All animals were part of studies to evaluate toxicological effects of a test article. The animals could not be socially housed during the data collection phase to ensure accurate data collection. Information was collected over 9-308 days. External stimuli such as radios, televisions, and conspecific visualization were provided. (Primedica study BCAW-107, BCAW-109, BQAW-102, BQAW-103, GVAW-126, OCAW-103, RLAW-102)

Species:

Canis familiaris (Dog)

Number:

6

All animals were part of a study to evaluate toxicological effects of a test article administered surgically. The animals could not be socially housed during the data collection phase to ensure accurate data collection. Exercise was restricted for 48-72 hours after surgery. Following recovery from the surgical procedure, the dogs were put on controlled exercise followed by normal exercise upon the recommendation of the attending veterinarian. Information was collected over 29-365 days. The square footage of the caging met all requirements for housing the animals, however, it did not meet the additional space needs to eliminate the requirement for exercise outside of the cage. The animals were observed daily for signs of distress from lack of exercise during the exemption period. No animals were noted to be adversely affected during this period. (Primedica study ZVAW-106)

USDA ANNUAL REPORT

REVIEW OF COLUMN "E" STUDIES

Registration Number: 14-R-0006

Primedica studies EXAW-100, EXAW-102, EXAW-104, EXAW-108.

Four Column "E" studies using a total of 36 Cynomolgus monkeys were approved by the IACUC to develop a model for Parkinson's Disease and to evaluate the efficacy of test materials in a model of Parkinson's Disease.

There are some rodent models of MPTP-induced Parkinson's disease, but these are not considered to be reliable predictors of results in man. The non-human primate MPTP-induced model is the standard used for preclinical testing of therapeutics for Parkinson's disease, and is accepted by the FDA in support of efficacy of new products. Alternatives to the evaluation of whether a test article can prevent or treat the development of Parkinson's symptoms (resulting from destruction of dopamine-producing cells within the brain) requires the use of a whole animal system to best investigate efficacy.

The conditions that cause these studies to be Category "E" are the neurological disease markers (effects on posture, mobility, climbing, gait, tremor, grooming, social interaction). The condition is not a painful condition, but would be classified as causing distress. Therefore it can not be treated with analysesics or tranquilizers.

Supportive care was provided to animals showing severe clinical signs. Supportive care included providing high calorie/nutrient rich foods, attaching water bottles low in the cage to aid in drinking, tube feeding supplements as necessary in a gruel consisting of primate biscuits, Ensure, multivitamin, Prang and Nutrical, or other suitable ingredients as recommended by the Attending Veterinarian.

Guidelines were used for determination of morbundity and recommendations for euthanasia. Each animal was assessed individually, taking into account the full history of the animal and the time course of clinical signs. Guidelines included severe neurological signs, such as convulsions, which render the animal unable to sit erect; inability or failure to eat/drink for >2 days, without signs of recovery; any condition that would require 24 hour supportive care for the animal; weight loss of >20% with no indication of recovery.

Primedica study DPKW-101

Two non-human primates maintained in a colony used to screen compounds for metabolism and pharmacokinetics died acutely after administration of a test article. The study was originally classified as Column "C", but the pain category revised to "E" for two animals.

Primedica study 2-926

One dog, instrumented with a bile duct catheter and maintained in a colony used to screen compounds for metabolism and pharmacokinetics, was euthanized while on study after the balloon catheter ruptured. The study was originally classified as Column "D", but the pain category was revised to "E" for one animal.