HARLAN ANIMAL COLONIES
HEALTH EVALUATION SUMMARY

CONTRACT N01-AG-5-0006

RATS Barrier 208A

ANIMAL FACILITY	STRAIN	NO./SEX	AGE	TESTING LABORATORY/DATES
Location: Frederick, MD Barrier/Building: 208A	BN/BiRijNNiaHsd	3M/2F	21 - 23 months	University of Missouri UMRADIL, Columbia, MO
	FBNF1/NNiaHsd	2M/3F	21 months	
Ship Date: 10/12/08				Receipt Date: 10/13/08 Report Date: 12/2/08

EVALUATION

NIA rats submitted for this health monitoring were obtained from NIA-NIH aging colonies maintained in a barrier by Harlan Sprague Dawley, Inc. All rats examined were considered to be in a good state of health.

SEROLOGY

Agent	Assay	No. Pos./ No. Tested	Comments
Sendai	MFI	0/10	
RCV/SDAV	MFI	0/10	
Parvoviruses NS-1	MFI	0/10	
RMV	MFI	0/10	
RPV	MFI	0/10	
KRV	MFI	0/10	
H-1	MFI	0/10	
PVM	MFI	0/10	
M. pulmonis	MFI	0/10	
Reo 3	MFI	0/2	
TMEV-like virus	MFI	0/2	
MAD	MFI	0/2	
LCM	MFI	0/2	
E. cuniculli	MFI	0/2	
Hantaan	MFI	0/2	
Tyzzer's	MFI	0/2	

BACTERIOLOGY

Agent	No. Pos/No. Tested	Comments
Salmonella spp.	0/10	Nasopharynx/cecum cultures
Pasteurella pneumotropica	0/7	
Pseudomonas aeruginosa	0/2	
Corynebacterium kutscheri	0/7	
Klebsiella pneumonia	0/2	
Klebsiella oxytoca	0/2	The bacteria isolated from the nasopharynx
Staphylococcus aureus	0/1	and cecum are opportunistic or normal flora
Streptococcus pneumoniae	0/7	of the rat.

PCR	Results	Comments
	No. Tested/No. Pos.	
Mycoplasma pulmonis	0/10	
Helicobacter spp	0/5	

HARLAN ANIMAL COLONIES
HEALTH EVALUATION SUMMARY

CONTRACT N01-AG-5-0006

RATS Barrier 208A

PARASITOLOGY

Type and Test	Results	Comments
Ectoparasites	No. Pos./No. Tested	External parasites were not observed in any rat.
Test: Direct pelage	0/10	
Endoparasites	No. Pos./No. Tested	Enteric and urinary bladder parasites were not observed in any rat.
Test(s): Direct, Gross, and Microscopic (intestine & bladder)	0/10	

PATHOLOGY

Gross:	None Significant	Overall frequency of lesions in these rats is low.
Histologic:		
Peribronchiolar lymphoid hyperplasia	8/10	Lesions are incidental and/or consistent with normal aging process and are not indicative of infection with murine adventitious pathogens.
Hydronephrosis	0/2	

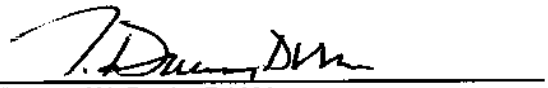
A few incidental lesions were also noted.

AVAILABILITY

Rats obtained from NIA-NIH aging colonies maintained in one maximum security barrier by Harlan Sprague Dawley, Inc., (Harlan) in Frederick, Maryland. The combined census of these colonies, at the time of the referenced monitoring is tabulated below:

Virgin Male (20 - 38 months of age)	1,734
Virgin Female (23 - 40 months of age)	228
Total Census:	1,962

For information, contact:
Dr. Thomas W. Davis
HARLAN SPRAGUE DAWLEY, INC.
8520 Allison Pointe, #400
Indianapolis, IN 46250
Phone: (317) 806-6060
Fax: (317) 806-6073



Thomas W. Davis, D.V.M.
Senior Veterinarian

HARLAN ANIMAL COLONIES
HEALTH EVALUATION SUMMARY

CONTRACT N01-AG-5-0006

RATS Barrier 218A

ANIMAL FACILITY	STRAIN	NO./SEX	AGE	TESTING LABORATORY/DATES
Location: Prattville, AL	BN/BiRijNNiaHsd	2M/1F	6 months	University of Missouri
Barrier/Building: 218A		2M/2F	14 months	UMRADIL, Columbia, MO
	FBNF1/NNiaHsd	2M/1F	6 months	Receipt Date: 10/13/08
Ship Date: 10/12/08		2M/2F	14 months	Report Date: 12/2/08

EVALUATION

NIA rats submitted for this health monitoring were obtained from NIA-NIH aging colonies maintained in a barrier by Harlan Sprague Dawley, Inc. All rats examined were considered to be in a good state of health.

SEROLOGY

Agent	Assay	No. Pos./ No. Tested	Comments
Sendai	MFI	0/14	
RCV/SDAV	MFI	0/14	
Parvoviruses NS-1	MFI	0/14	
RMV	MFI	0/14	
RPV	MFI	0/14	
KRV	MFI	0/14	
H-1	MFI	0/14	
PVM	MFI	0/14	
M. pulmonis	MFI	0/14	
Reo 3	MFI	0/3	
TMEV-like virus	MFI	0/3	
MAD	MFI	0/3	
LCM	MFI	0/3	
E. cuniculli	MFI	0/3	
Hantaan	MFI	0/3	
Tyzzer's	MFI	0/3	

BACTERIOLOGY

Agent	No. Pos/No. Tested	Comments
Salmonella spp.	0/14	Nasopharynx/cecum cultures
Pasteurella pneumotropica	0/9	
Pseudomonas aeruginosa	0/3	
Corynebacterium kutscheri	0/9	
Klebsiella pneumoniae	0/3	
Klebsiella oxytoca	2/3	
Staphylococcus aureus	1/1	
Streptococcus pneumoniae	0/9	

PCR	Results	Comments
	No. Pos/No. Tested	
Mycoplasma pulmonis	0/14	
Helicobacter spp	0/7	

HARLAN ANIMAL COLONIES
HEALTH EVALUATION SUMMARY

CONTRACT N01-AG-5-0006

RATS Barrier 218A

PARASITOLOGY

Type and Test	Results	Comments
Ectoparasites	No. Pos./No. Tested	External parasites were not observed in any rat.
Test: Direct pelage	0/14	
Endoparasites	No. Pos./No. Tested	
Test(s): Direct, Gross, and Microscopic	0/14	

PATHOLOGY

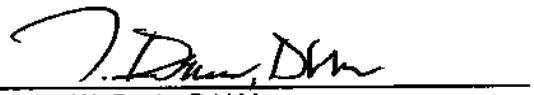
Gross:	No Gross Lesions Detected	
Histologic:		
Peribronchiolar lymphoid hyperplasia	14/14	Lesions are incidental and/or consistent with normal aging process and are not indicative of infection with murine adventitious pathogens. Interstitial pneumonia with giant cells was observed in the lung of one BN/BiRijNNiaHsd rat and is considered a strain related finding and is not associated with any known infectious agent.
Eosinophilic granulomatous pneumonia	0/14	
A few incidental lesions were also noted.		

AVAILABILITY

Rats obtained from NIA-NIH aging colonies maintained in one maximum security barrier by Harlan Sprague Dawley, Inc., (Harlan) in Prattville, Alabama. The combined census of these colonies, at the time of the referenced monitoring is tabulated below:

Virgin Male (1 - 21 months of age)	7,106
Virgin Female (1 - 22 months of age)	1,297
Total Census:	8,403

For information, contact:
Dr. Thomas W. Davis
HARLAN SPRAGUE DAWLEY, INC.
8520 Allison Pointe, #400
Indianapolis, IN 46250
Phone: (317) 806-6060
Fax: (317) 806-6073



Thomas W. Davis, D.V.M.
Senior Veterinarian

HARLAN ANIMAL COLONIES
HEALTH EVALUATION SUMMARY

CONTRACT N01-AG-5-0006

RATS Barrier 236A

ANIMAL FACILITY	STRAIN	NO./SEX	AGE	TESTING LABORATORY/DATES
Location: Oregon, WI	BN/BiRijNNiaHsd	2M/2F	6 months	University of Missouri
Barrier/Building: 236A		3M/3F	14 months	UMRADIL, Columbia, MO
	F344 x BN F1	2M/2F	6 months	Receipt Date: 10/13/08
Ship Date: 10/12/08		4M/4F	13 - 14 months	Report Date: 12/2/08

EVALUATION

NIA rats submitted for this health monitoring were obtained from NIA-NIH aging colonies maintained in barriers by Harlan Sprague Dawley, Inc. All rats examined were considered to be in a good state of health.

SEROLOGY

Agent	Assay	No. Pos./ No. Tested	Comments
Sendai	MFI	0/22	
RCV/SDAV	MFI	0/22	
Parvoviruses NS-1	MFI	0/22	
RMV	MFI	0/22	
RPV	MFI	0/22	
KRV	MFI	0/22	
H-1	MFI	0/22	
PVM	MFI	0/22	
M. pulmonis	MFI	0/22	
Reo 3	MFI	0/5	
TMEV-like virus	MFI	0/5	
MAD	MFI	0/5	
LCM	MFI	0/5	
E. cuniculli	MFI	0/5	
Hantaan	MFI	0/5	
Tyzzer's	MFI	0/5	

BACTERIOLOGY

Agent	No. Pos./No. Tested	Comments
Salmonella spp.	0/20	Nasopharynx/cecum cultures
Pasteurella pneumotropica	0/7	
Pseudomonas aeruginosa	0/3	
Corynebacterium kutscheri	0/7	
Klebsiella pneumonia	0/3	
Klebsiella oxytoca	0/3	
Staphylococcus aureus	0/2	
Streptococcus pneumoniae	0/7	

PCR	No. Pos./No. Tested	Comments
Mycoplasma pulmonis	0/22	
Helicobacter spp	0/9	

HARLAN ANIMAL COLONIES
HEALTH EVALUATION SUMMARY

CONTRACT N01-AG-5-0006

RATS Barrier 236A

PARASITOLOGY

Type and Test	Results	Comments
Ectoparasites	No. Pos./No. Tested	External parasites were not observed in any rat.
Test: Direct pelage	0/22	
Endoparasites	No. Pos./No. Tested	
Test(s): Direct, Gross, and Microscopic	0/22	

PATHOLOGY

Gross:	No Gross Lesions Detected	
Histologic:		
Alveolar histiocytosis	0/2	Lesions are incidental and/or consistent with normal aging process and are not indicative of infection with murine adventitious pathogens. Interstitial pneumonia with giant cells was observed in the lung of one BN/BiRijNNiaHsd rat and is considered a strain related finding and is not associated with any known infectious agent.
Peribronchiolar lymphoid hyperplasia	12/12	
Mild hydronephrosis	0/5	

A few additional incidental lesions were also noted.

AVAILABILITY

Rats obtained from NIA-NIH aging colonies maintained in one maximum security barrier by Harlan Sprague Dawley, Inc., (Harlan) in Oregon, Wisconsin. The combined census of these colonies, at the time of the referenced monitoring is tabulated below:

Virgin Male (1 - 41 months of age)	7,896
Virgin Female (1 - 40 months of age)	1,397
Total Census:	9,293

For information, contact:
Dr. Thomas W. Davis
HARLAN SPRAGUE DAWLEY, INC.
8520 Allison Pointe, #400
Indianapolis, IN 46250
Phone: (317) 806-6060
Fax: (317) 806-6073

Thomas W. Davis, D.V.M.
Senior Veterinarian