

HARLAN ANIMAL COLONIES
HEALTH EVALUATION SUMMARY

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September 14, 2007
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CONTRACT N01-AG-5-0006

RATS Barrier 218A

ANIMAL FACILITY	STRAIN	NO./SEX	AGE	TESTING LABORATORY/DATES
Location: Prattville, AL Barrier/Building: 218A	BN/BiRijNNiaHsd	1M/1F 2M/3F	9-10 months 16-19 months	University of Missouri UMRADIL, Columbia, MO
Ship Date: 7/15/07	F344 x BN F1	3M/4F	4-5 months	Receipt Date: 7/16/07 Report Date: 9/11/07

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	MFI	0/14	
KRV	MFI	0/14	
H-1	MFI	0/14	
PVM	MFI	0/14	
<i>M. pulmonis</i>	MFI	0/14	
Reo 3	MFI	0/4	
TMEV GDVII	MFI	0/4	
MAD	MFI	0/4	
LCM	MFI	0/4	
<i>E. cuniculi</i>	MFI	0/4	
Hantaan	MFI	0/4	
Tyzzers	MFI	0/4	

BACTERIOLOGY

Agent	No. Pos/No. Tested	Comments
<i>Salmonella spp.</i>	0/14	Nasopharynx/cecum cultures
<i>Pasteurella pneumotropica</i>	0/14	
<i>Pseudomonas aeruginosa</i>	0/0*	*No cetrimide or MacConkey plates were inoculated for the cecum.
<i>Corynebacterium kutscheri</i>	0/14	
<i>Klebsiella sp.</i>	0/4	
<i>Staphylococcus aureus</i>	0/4	
<i>Streptococcus pneumoniae</i>	0/14	

PCR

	Results	Comments
	No. Pos/No. Tested	
<i>Mycoplasma pulmonis</i>	0/14	
<i>Helicobacter spp</i>	0/14	

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RATS Barrier 218A

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

PATHOLOGY		
Gross:	No Gross Lesions Detected	Lesions are incidental and/or consistent with normal aging process and are not indicative of infection with murine adventitious pathogens.
Histologic: Multifocal interstitial fibrosis with pigmented macrophages - lung	4/14	
Peribronchiolar lymphoid hyperplasia - lung	6/14	
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 Prattville, Alabama. The combined census of these colonies, at the time of the referenced monitoring is tabulated below:	
Virgin Male (1 - 4 months of age)	1,513
Virgin Female (1 - 5 months of age)	335
Total Census:	1,848

For information, contact:
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Karla A. Stevens, D.V.M.
Principal Investigator

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RATS Barrier 236A

ANIMAL FACILITY	STRAIN	NO./SEX	AGE	TESTING LABORATORY/DATES
Location: Oregon, WI Barrier/Building: 236A	BN/BiRijNNiaHsd	4M/4F	12-14 months	University of Missouri UMRADIL, Columbia, MO Receipt Date: 7/16/07 Report Date: 9/11/07
Ship Date: 7/15/07	F344 x BN F1	4M/4F	6 months	

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	0/16	
RCV/SDAV	MFI	0/16	
Parvoviruses	MFI	0/16	
KRV	MFI	0/16	
H-1	MFI	0/16	
PVM	MFI	0/16	
<i>M. pulmonis</i>	MFI	0/16	
Reo 3	MFI	0/4	
TMEV GDVII	MFI	0/4	
MAD	MFI	0/4	
LCM	MFI	0/4	
<i>E. cuniculi</i>	MFI	0/4	
Hantaan	MFI	0/4	
Tyzzers	MFI	0/4	

BACTERIOLOGY		
Agent	No. Pos./No. Tested	Comments
<i>Salmonella spp.</i>	0/16	Nasopharynx/cecum cultures
<i>Pasteurella pneumotropica</i>	0/16	
<i>Pseudomonas aeruginosa</i>	0/4	
<i>Corynebacterium kutscheri</i>	0/16	
<i>Klebsiella sp.</i>	0/4	
<i>Staphylococcus aureus</i>	0/4	
<i>Streptococcus pneumoniae</i>	0/16	

PCR		Comments
	No. Pos./No. Tested	
<i>Mycoplasma pulmonis</i>	0/16	
<i>Helicobacter spp</i>	0/16	

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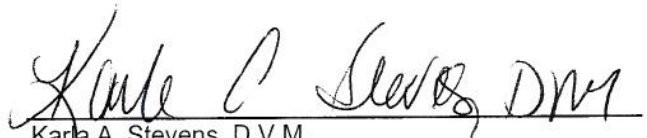
RATS Barrier 236A

PARASITOLOGY		
Type and Test	Results	Comments
Ectoparasites Test: Direct pelage	No. Pos./No. Tested 0/16	External parasites were not observed in any rat.
Endoparasites Test(s): Direct, Gross, and Microscopic	No. Pos./No. Tested 0/16	

PATHOLOGY		
Gross:	No Gross Lesions Detected	Lesions are incidental and/or consistent with normal aging process and are not indicative of infection with murine adventitious pathogens.
Histologic:		
Multifocal interstitial fibrosis with pigmented macrophages - lung	5/16	
Alveolar histiocytosis - lung	5/16	
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 - 6 months of age)	2,248
Virgin Female (1 - 6 months of age)	385
Total Census:	2,633

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