

HARLAN ANIMAL COLONIES
HEALTH EVALUATION SUMMARY

Enclosure 2
February 23, 2007
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CONTRACT N01-AG-9-2105

RATS Barrier 208A

ANIMAL FACILITY	STRAIN	NO./SEX	AGE	TESTING LABORATORY/DATES
Location: Frederick, MD Barrier/Building: 208A	BN/RijHsd BN/RijHsd F344 x BN F1	1M/1F 0M/1F 2M/2F 1M/1F	5 months 10 months 5 months 10 months	University of Missouri UMRADIL, Columbia, MO Receipt Date: 12/13/06 Report Date: 2/14/06
Ship Date: 12/12/06				

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	0/9	
RCV/SDAV	MFI	0/9	
Parvoviruses	MFI	0/9	
KRV	MFI	0/9	
H-1	MFI	0/9	
PVM	MFI	0/9	
<i>M. pulmonis</i>	MFI	0/9	
Reo 3	MFI	0/9	
TMEV GDVII	MFI	0/6	
MAD	MFI	0/6	
LCM	MFI	0/6	
<i>E. cuniculli</i>	MFI	0/6	
Hantaan	MFI	0/6	
Tyzzers	MFI	0/6	

BACTERIOLOGY

Agent	No. Pos/No. Tested	Comments
<i>Salmonella spp.</i>	0/9	Nasopharynx/cecum cultures The bacteria isolated from the nasopharynx and cecum are opportunistic or normal flora of the rat.
<i>Pasteurella pneumotropica</i>	0/9	
<i>Pasteurella spp.</i>	0/9	
<i>Bordetella bronchiseptica</i>	0/9	
<i>Pseudomonas aeruginosa</i>	0/9	
<i>Citrobacter rodentium</i>	0/9	
<i>Corynebacterium kutscheri</i>	0/9	
<i>Klebsiella pneumoniae</i>	0/9	
<i>Klebsiella oxytoca</i>	0/9	
<i>Staphylococcus aureus</i>	1/9	
<i>Streptococcus sp. Group B beta</i>	0/9	

PCR

	Results	Comments
	No. Tested/No. Pos.	
<i>Mycoplasma pulmonis</i>	0/9	
<i>Helicobacter spp</i>	0/9	

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PARASITOLOGY		
Type and Test	Results	Comments
Ectoparasites Test: Direct pelage	No. Pos./No. Tested 0/9	External parasites were not observed in any rat.
Endoparasites Test(s): Direct, Gross, and Microscopic (intestine & bladder)	No. Pos./No. Tested 0/9	Enteric and urinary bladder parasites were not observed in any rat.

PATHOLOGY		
Gross:	None Significant	Overall frequency of lesions in these rats is low.
Histologic:		
Interstitial pneumonia	1/9	Lesions are incidental and/or consistent with normal aging process and are not indicative of infection with murine adventitious pathogens.
Lymphoid hyperplasia - lung	9/9	
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 (1 - 35 months of age)	7,205
Virgin Female (1 - 43 months of age)	1,113
Total Census:	8,318

For information, contact:
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Principal Investigator

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RATS Barrier 236A

ANIMAL FACILITY	STRAIN	NO./SEX	AGE	TESTING LABORATORY/DATES
Location: Oregon, WI	BN/RijHsd	1M/1F	5 months	University of Missouri
Barrier/Building: 236A	BN/RijHsd	1M/1F	10 months	UMRADIL, Columbia, MO
	F344 x BN F1	2M/2F	5 months	
		1M/1F	10 months	
Ship Date: 12/12/06				Receipt Date: 12/13/06 Report Date: 2/14/07

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	0/10	
RCV/SDAV	MFI	0/10	
Parvoviruses	MFI	0/10	
KRV	MFI	0/10	
H-1	MFI	0/10	
PVM	MFI	0/10	
<i>M. pulmonis</i>	MFI	0/10	
Reo 3	MFI	0/10	
TMEV GDVII	MFI	0/0*	
MAD	MFI	0/0*	
LCM	MFI	0/0*	
<i>E. cuniculli</i>	MFI	0/0*	
Hantaan	MFI	0/0*	
Tyzzers	MFI	0/0*	*Previously tested negative.

BACTERIOLOGY		
Agent	No. Pos./No. Tested	Comments
<i>Salmonella spp.</i>	0/10	Nasopharynx/cecum cultures
<i>Pasteurella pneumotropica</i>	0/10	
<i>Pasteurella spp.</i>	0/10	
<i>Bordetella bronchiseptica</i>	0/10	
<i>Pseudomonas aeruginosa</i>	0/10	
<i>Citrobacter rodentium</i>	0/10	
<i>Corynebacterium kutscheri</i>	0/10	
<i>Klebsiella pneumoniae</i>	0/10	
<i>Klebsiella oxytoca</i>	0/10	The bacteria isolated from the nasopharynx and cecum are opportunistic or a normal flora of the rat.
<i>Staphylococcus aureus</i>	2/10	
<i>Streptococcus sp. Group B beta</i>	0/10	

PCR		Comments
	No. Pos./No. Tested	
<i>Mycoplasma pulmonis</i>	0/10	
<i>Helicobacter spp</i>	0/10	

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

PATHOLOGY		
Gross:	None Significant	Overall frequency of lesions in these rats is low.
Histologic:		
Lung lymphoid hyperplasia & infiltrates	7/10	Lesions are incidental and/or consistent with normal aging process and are not indicative of infection with murine adventitious pathogens.
Interstitial pneumonia	1/10	
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 Oregon, Wisconsin. The combined census of these colonies, at the time of the referenced monitoring is tabulated below:	
Virgin Male (1 - 39 months of age)	7,463
Virgin Female (1 - 32 months of age)	1,076
Total Census:	8,539

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