

HARLAN ANIMAL COLONIES  
HEALTH EVALUATION SUMMARY

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	2M/3F	12 months	University of Missouri UMRADIL, Columbia, MO Receipt Date: 12/10/07 Report Date: 2/12/08
Ship Date: 12/9/07	F344 x BN F1	3M/2F	11 months	

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	
<i>M. pulmonis</i>	MFI	0/10	
Reo 3	MFI	0/10	
TMEV-like virus	MFI	0/3	
MAD	MFI	0/3	
LCM	MFI	0/3	
<i>E. cuniculi</i>	MFI	0/3	
Hantaan	MFI	0/3	
Tyzzers	MFI	0/3	

BACTERIOLOGY

Agent	No. Pos/No. Tested	Comments
<i>Salmonella spp.</i>	0/10	Nasopharynx/cecum cultures  The bacteria isolated from the nasopharynx and cecum are opportunistic or normal flora of the rat.
<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	
<i>Staphylococcus aureus</i>	0/10	
<i>Streptococcus sp. Group B beta</i>	0/10	

PCR

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

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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:		Lesions are incidental and/or consistent with normal aging process and are not indicative of infection with murine adventitious pathogens.
Lymphoid hyperplasia - lung	9/10	
Hydronephrosis	1/10	
Interstitial lymphoid infiltrate-Harderian gland	1/10	
Nephrocalcinosis	2/10	
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 Frederick, Maryland. The combined census of these colonies, at the time of the referenced monitoring is tabulated below:	
Virgin Male ( 8 - 40 months of age)	4,116
Virgin Female ( 11 - 34 months of age)	712
Total Census:	4,828

For information, contact:  
Dr. Karla Stevens  
HARLAN SPRAGUE DAWLEY, INC.  
8520 Allison Pointe, #400  
Indianapolis, IN 46250  
Phone: (317) 806-6060  
Fax: (317) 806-6090

  
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  Ship Date: 12/9/07	BN/RijHsd	3M/2F	12 months	University of Missouri UMRADIL, Columbia, MO  Receipt Date: 12/10/07 Report Date: 2/12/08
	F344 x BN F1	2M/3F	11 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	0/10	
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	
<i>M. pulmonis</i>	MFI	0/10	
Reo 3	MFI	0/10	
TMEV GDVII	MFI	0/2	
MAD	MFI	0/2	
LCM	MFI	0/2	
<i>E. cuniculli</i>	MFI	0/2	
Hantaan	MFI	0/2	
Tyzzer's	MFI	0/2	

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		
<i>Staphylococcus aureus</i>	0/10		
<i>Streptococcus sp. Group B beta</i>	0/10		
			The bacteria isolated from the nasopharynx and cecum are opportunistic or a normal flora of the rat.

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

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RATS Barrier 236A

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	9/10	Lesions are incidental and/or consistent with normal aging process and are not indicative of infection with murine adventitious pathogens.
Interstitial lymphoid infiltrate-Harderian gland	1/10	
Nephrocalcinosis	2/10	
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 ( 10 - 39 months of age)	3,931
Virgin Female ( 11 - 38 months of age)	584
Total Census:	4,515

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Indianapolis, IN 46250  
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