

HARLAN ANIMAL COLONIES  
HEALTH EVALUATION SUMMARY

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August 28, 2006  
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CONTRACT N01-AG-9-2105

RATS Barrier 236A

ANIMAL FACILITY	STRAIN	NO./SEX	AGE	TESTING LABORATORY/DATES
Location: Oregon, WI Barrier/Building: 236A  Ship Date: 6/11/06	BN/RijHsd  F344 x BN F1	0M/0F 2M/2F 1M/1F 2M/2F	10 months 5 months 10 months	University of Missouri UMRADIL, Columbia, MO  Receipt Date: 6/12/06 Report Date: 7/26/06

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	0/4	
MAD	MFI	0/4	
LCM	MFI	0/4	
<i>E. cuniculi</i>	MFI	0/4	
Hantaan	MFI	0/4	
Tyzzer's	MFI	0/4	

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>	2/10	
<i>Klebsiella oxytoca</i>	0/10	The bacteria isolated from the oropharynx and cecum
<i>Staphylococcus aureus</i>	0/10	are opportunistic or normal flora of the rat.
<i>Streptococcus sp. Group B beta</i>	0/10	

PCR

	No. Pos./No. Tested	Comments
<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	

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.
Lung lymphoid hyperplasia	9/10	
Nephrocalcinosis	1/10	
Hydronephrosis	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 ( 1 - 37 months of age)		7,584
Virgin Female ( 1 - 33 months of age)		950
Total Census:		8,534

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