

HARLAN ANIMAL COLONIES
HEALTH EVALUATION SUMMARY

Enclosure 2
June 5, 2007
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CONTRACT N01-AG-8-2106

RATS Barrier 202C

ANIMAL FACILITY	STRAIN	NO./SEX	AGE	TESTING LABORATORY/DATES
Location: Indianapolis, IN Barrier/Building: 202C Ship Date: 3/5/07	F344/NHsd	5M/0F	18-19 months	University of Missouri UMRADIL, Columbia, MO Receipt Date: 3/6/07 Report Date: 5/17/07
	F344 x BN F1	5M/0F	22 months	

EVALUATION

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

SEROLOGY

Agent	Assay	No. Pos./ No. Tested	Comments
<i>M. pulmonis</i>	MFI	0/10	
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	
REO 3	MFI	0/10	
TMEV GDVII	MFI	0/2	
LCM	MFI	0/2	
Hantaan	MFI	0/2	
<i>E. cuniculi</i>	MFI	0/2	

BACTERIOLOGY

Agent	No. Pos/No. Tested	Comments
<i>Salmonella spp.</i>	0/10	Nasopharynx/cecum cultures. The bacteria isolated from the oropharynx 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>	2/10	
<i>Klebsiella oxytoca</i>	0/10	
<i>Staphylococcus aureus</i>	1/10	
<i>Streptococcus sp. Group B beta</i>	2/10	

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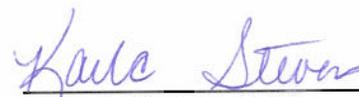
PCR	Results	Comments
<i>Mycoplasma pulmonis</i> <i>Helicobacter spp.</i>	No. Pos./No. Tested 0/10 0/10*	*Pooled samples. Previously positive.

PARASITOLOGY		
Type and Test	Results	Comments
Ectoparasites Test(s): Direct pelage	No. Pos./No. Tested 0/10	External parasites were not observed in any rat.
Endoparasites Test(s): Direct, Gross, and Microscopic (intestines & 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:		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	2/2	
Retinal degeneration	1/2	
Chronic interstitial nephritis	2/2	
Alveolar histiocytosis - lung	1/2	

AVAILABILITY		
Rats obtained from NIA-NIH aging colonies maintained in one maximum security barrier by Harlan in Indianapolis, Indiana. The combined census of these colonies at the time of referenced monitoring is tabulated below:		
Virgin Male (N/A months of age)		0
Virgin Female (N/A months of age)		0
Total Census:		0

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Principal Investigator

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RATS Barrier 208B

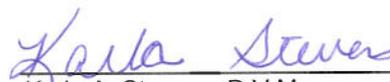
PCR	Results	Comments
	No. Pos./No. Tested	
<i>Mycoplasma pulmonis</i>	0/10	
<i>Helicobacter hepaticus</i>	0/10*	*Pooled samples.

PARASITOLOGY		
Type and Test	Results	Comments
Ectoparasites Test(s): Direct pelage	No. Pos./No. Tested 0/10	External parasites were not observed in any rat.
Endoparasites Test(s): Direct, Gross, and Microscopic (intestines & 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:		
Chronic interstitial nephritis	2/3	Lesions are incidental and/or consistent with normal aging process and are not indicative of infection with murine adventitious pathogens.
Renal perivascular lymphoid infiltrates	1/3	
Focal granulomatous inflammation	1/3	
Alveolar histiocytosis - lung	1/3	

AVAILABILITY		
Rats obtained from NIA-NIH aging colonies maintained in one maximum security barrier by Harlan in Frederick, Maryland. The combined census of these colonies at the time of referenced monitoring is tabulated below:		
Virgin Male (18 - 38 months of age)		515
Virgin Female (27 - 44 months of age)		35
Total Census:		550

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