

HARLAN ANIMAL COLONIES  
HEALTH EVALUATION SUMMARY

Enclosure 2  
June 8, 2007  
Page 1 of 2

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	2M/0F 0M/1F 1M/2F 1M/0F	4 months 14 months 6-7 months 17 months	University of Missouri UMRADIL, Columbia, MO Receipt Date: 4/16/07 Report Date: 5/31/07
Ship Date: 4/15/07	F344 x BN F1	2M/3F	3 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	0/12	
RCV/SDAV	MFI	0/12	
Parvoviruses	MFI	0/12	
KRV	MFI	0/12	
H-1	MFI	0/12	
PVM	MFI	0/12	
<i>M. pulmonis</i>	MFI	0/12	
Reo 3	MFI	0/3	
TMEV GDVII	MFI	0/3	
MAD	MFI	0/3	
LCM	MFI	0/3	
<i>E. cuniculi</i>	MFI	0/3	
Hantaan	MFI	0/3	
Tyzzer's	MFI	0/3	

BACTERIOLOGY

Agent	No. Pos/No. Tested	Comments
<i>Salmonella spp.</i>	0/12	Nasopharynx/cecum cultures
<i>Pasteurella pneumotropica</i>	0/12	
<i>Pseudomonas aeruginosa</i>	0/3	
<i>Corynebacterium kutscheri</i>	0/12	
<i>Klebsiella sp.</i>	0/3	
<i>Staphylococcus aureus</i>	0/3	
<i>Streptococcus pneumoniae</i>	0/12	

PCR

	Results	Comments
	No. Pos/No. Tested	
<i>Mycoplasma pulmonis</i>	0/12	
<i>Helicobacter spp</i>	0/12	

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Enclosure 2  
June 8, 2007  
Page 2 of 2

CONTRACT N01-AG-5-0006

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PARASITOLOGY		
Type and Test	Results	Comments
Ectoparasites	No. Pos./No. Tested	External parasites were not observed in any rat.
Test: Direct pelage	0/12	
Endoparasites	No. Pos./No. Tested	
Test(s): Direct, Gross, and Microscopic	0/12	

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:		
Lymphoid hyperplasia lung	12/12	
Interstitial pneumonia	2/12	
Hydronephrosis	1/3	
Hepatic microgranulomas	3/3	
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 Prattville, Alabama. The combined census of these colonies, at the time of the referenced monitoring is tabulated below:	
Virgin Male ( 1 - 2 months of age)	387
Virgin Female ( 1 - 2 months of age)	140
Total Census:	527

For information, contact:  
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Enclosure 2  
June 8, 2007  
Page 1 of 2

CONTRACT N01-AG-5-0006

RATS Barrier 236A

ANIMAL FACILITY	STRAIN	NO./SEX	AGE	TESTING LABORATORY/DATES
Location: Oregon, WI Barrier/Building: 236A  Ship Date: 4/15/07	BN/BiRijNNiaHsd  F344 x BN F1	4M/4F  3M/3F	12-13 months  3 months	University of Missouri UMRADIL, Columbia, MO  Receipt Date: 4/16/07 Report Date: 5/31/07

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	0/14	
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. cuniculli</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>	0/4	
<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		Comments
	No. Pos./No. Tested	
<i>Mycoplasma pulmonis</i>	0/14	
<i>Helicobacter spp</i>	0/14	

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Enclosure 2  
June 8, 2007  
Page 2 of 2

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RATS Barrier 236A

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:		
Lung lymphoid hyperplasia	12/14	
Lymphoid infiltrates lung	1/14	
Hydronephrosis	2/4	
Hepatic microgranulomas	1/4	
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 - 3 months of age)	1,109
Virgin Female (1 - 3 months of age)	188
Total Census:	1,297

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