

HARLAN ANIMAL COLONIES
HEALTH EVALUATION SUMMARY

Enclosure 2
December 19, 2006
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CONTRACT N01-AG-7-2113

RATS Barrier 202B

ANIMAL FACILITY	STRAIN	NO./SEX	AGE	TESTING LABORATORY/DATES
Location: Indianapolis, IN Barrier/Building: 202B Ship Date: 10/22/06	F344/NHsd	1M/0F 1M/0F 0M/1F	5 months 12 months 18 months	University of Missouri MURADIL, Columbia, MO Receipt Date: 10/23/06 Report Date: 12/13/06

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
Sendai	MFI	0/3	
RCV/SDAV	MFI	0/3	
Parvoviruses	MFI	0/3	
KRV	MFI	0/3	
H-1	MFI	0/3	
PVM	MFI	0/3	
<i>M. pulmonis</i>	MFI	0/3	
Reo 3	MFI	0/0*	
TMEV GDVII	MFI	0/0*	
MAD	MFI	0/0*	
LCM	MFI	0/0*	
Hantaan	MFI	0/0*	*Previously Tested Negative

BACTERIOLOGY

Agent	No. Pos/No. Tested	Comments
<i>Mycoplasma pulmonis</i>	0/3	Nasopharynx lung/cecum/uterine cultures
<i>Salmonella spp.</i>	0/3	
<i>Pasteurella pneumotropica</i>	0/3	
<i>Pasteurella spp.</i>	0/3	
<i>Bordetella bronchiseptica</i>	0/3	
<i>Pseudomonas aeruginosa</i>	0/3	
<i>Citrobacter rodentium</i>	0/3	
<i>Corynebacterium kutscheri</i>	0/3	
<i>Klebsiella pneumoniae</i>	2/3	
<i>Klebsiella oxytoca</i>	0/3	
<i>Staphylococcus aureus</i>	0/3	
<i>Streptococcus pneumoniae</i>	0/3	The bacteria isolated from the nasopharynx and cecum are opportunistic or normal flora of the rat.
<i>Streptococcus sp. Group B beta</i>	0/3	

PCR

	No. Pos./ No. Tested	Comments
<i>Mycoplasma pulmonis</i>	0/3	
<i>Helicobacter hepaticus</i>	0/3	

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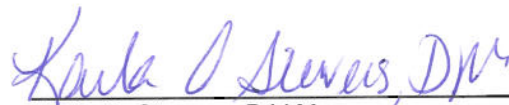
RATS Barrier 202B

PARASITOLOGY		
Type and Test	No. Pos./No. Tested	Comments
Ectoparasites Test(s): Direct pelage	0/3	External parasites were not observed in any rat.
Endoparasites Test(s): Direct, Gross, and Microscopic (intestines & bladder)	0/3	Enteric and urinary bladder parasites were not observed in any rat.

PATHOLOGY	No. Pos./No. Tested	
Gross: Histologic: Lymphoid infiltrate lung Harderian gland lymphoid infiltrate Microgranuloma liver Focal myocardial degeneration	None Significant 3/3 2/3 3/3 3/3	Overall frequency of lesions in these rats is low. Lesions are incidental and/or consistent with normal aging process and are not indicative of infection with murine adventitious pathogens.
A few other incidental lesions were also noted.		

AVAILABILITY	
Rats obtained from NIA-NIH aging colonies maintained in a maximum security barrier by Harlan in Indianapolis, Indiana. The combined census of these colonies, at the time of referenced monitoring, is tabulated below:	
Retired Breeder - Male (9 - 26 months of age)	170
Virgin - Male (1 - 28 months of age)	3,616
Virgin - Female (1 - 31 months of age)	2,133
Total Census:	5,919

For information, contact:
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Principal Investigator

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RATS Barrier 202C

ANIMAL FACILITY	STRAIN	NO./SEX	AGE	TESTING LABORATORY/DATES
Location: Indianapolis, IN Barrier/Building: 202C Ship Date: 10/22/06	F344/NHsd	1M/0F 1M/0F 0M/1F	5 months 12 months 18 months	University of Missouri MURADIL, Columbia, MO Receipt Date: 10/23/06 Report Date: 12/13/06

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
Sendai	MFI	0/3	
RCV/SDAV	MFI	0/3	
Parvoviruses	MFI	0/3	
KRV	MFI	0/3	
H-1	MFI	0/3	
PVM	MFI	0/3	
<i>M. pulmonis</i>	MFI	0/3	
Reo 3	MFI	0/0*	
TMEV GDVII	MFI	0/0*	
MAD	MFI	0/0*	
LCM	MFI	0/0*	
Hantaan	MFI	0/0*	*Previously Tested Negative

BACTERIOLOGY

Agent	No. Pos/No. Tested	Comments
<i>Mycoplasma pulmonis</i>	0/3	Nasopharynx lung/cecum/uterine cultures
<i>Salmonella spp.</i>	0/3	
<i>Pasteurella pneumotropica</i>	0/3	
<i>Pasteurella spp.</i>	0/3	
<i>Bordetella bronchiseptica</i>	0/3	
<i>Pseudomonas aeruginosa</i>	0/3	
<i>Citrobacter rodentium</i>	0/3	
<i>Corynebacterium kutscheri</i>	0/3	
<i>Klebsiella pneumoniae</i>	1/3	
<i>Klebsiella oxytoca</i>	0/3	
<i>Staphylococcus aureus</i>	1/3	
<i>Streptococcus pneumoniae</i>	0/3	The bacteria isolated from the nasopharynx and cecum are opportunistic or normal flora of the rat.
<i>Streptococcus sp. Group B beta</i>	0/3	

PCR

	No. Pos./ No. Tested	Comments
<i>Mycoplasma pulmonis</i>	0/3	
<i>Helicobacter hepaticus</i>	0/3*	*Previously Positive

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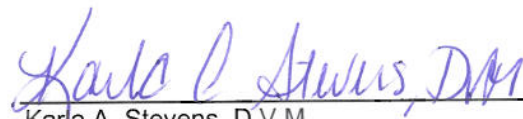
RATS Barrier 202C

PARASITOLOGY		
Type and Test	No. Pos./No. Tested	Comments
Ectoparasites Test(s): Direct pelage	0/3	External parasites were not observed in any rat.
Endoparasites Test(s): Direct, Gross, and Microscopic (intestines & bladder)	0/3	Enteric and urinary bladder parasites were not observed in any rat.

PATHOLOGY	No. Pos./No. Tested	
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	2/3	
Harderian gland lymphoid infiltrate	2/3	
Myocardial degeneration	3/3	
Microgranuloma liver	1/3	
Nephrocalcinosis	1/3	
A few other incidental lesions were also noted.		

AVAILABILITY	
Rats obtained from NIA-NIH aging colonies maintained in a maximum security barrier by Harlan in Indianapolis, Indiana. The combined census of these colonies, at the time of referenced monitoring, is tabulated below:	
Retired Breeder - Male (9 - 26 months of age)	1,110
Virgin - Male (1 - 29 months of age)	4,791
Virgin - Female (1 - 26 months of age)	1,819
Total Census:	7,720

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RATS Barrier 217

ANIMAL FACILITY	STRAIN	NO./SEX	AGE	TESTING LABORATORY/DATES
Location: Indianapolis, IN Barrier/Building: 217	F344/NHsd	1M/0F 1M/0F 0M/1F	5 months 12 months 18 months	University of Missouri MURADIL, Columbia, MO
Ship Date: 10/22/06				Receipt Date: 10/23/06 Report Date: 12/13/06

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
Sendai	MFI	0/3	
RCV/SDAV	MFI	0/3	
Parvoviruses	MFI	0/3	
KRV	MFI	0/3	
H-1	MFI	0/3	
PVM	MFI	0/3	
<i>M. pulmonis</i>	MFI	0/3	
Reo 3	MFI	0/0*	
TMEV GDVII	MFI	0/0*	
MAD	MFI	0/0*	
LCM	MFI	0/0*	
Hantaan	MFI	0/0*	*Previously Tested Negative

BACTERIOLOGY

Agent	No. Pos./No. Tested	Comments
<i>Mycoplasma pulmonis</i>	0/3	Nasopharynx lung/cecum/uterine cultures
<i>Salmonella spp.</i>	0/3	
<i>Pasteurella pneumotropica</i>	0/3	
<i>Pasteurella spp.</i>	0/3	
<i>Bordetella bronchiseptica</i>	0/3	
<i>Pseudomonas aeruginosa</i>	0/3	
<i>Citrobacter rodentium</i>	0/3	
<i>Corynebacterium kutscheri</i>	0/3	
<i>Klebsiella pneumoniae</i>	0/3	
<i>Klebsiella oxytoca</i>	0/3	
<i>Staphylococcus aureus</i>	0/3	
<i>Streptococcus pneumoniae</i>	0/3	The bacteria isolated from the nasopharynx and cecum are opportunistic or normal flora of the rat.
<i>Streptococcus sp. Group B beta</i>	0/3	

PCR	No. Pos./ No. Tested	Comments
<i>Mycoplasma pulmonis</i>	0/3	
<i>Helicobacter sp.</i>	0/3	

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RATS Barrier 217

PARASITOLOGY		
Type and Test	No. Pos./No. Tested	Comments
Ectoparasites Test(s): Direct pelage	0/3	External parasites were not observed in any rat.
Endoparasites Test(s): Direct, Gross, and Microscopic (intestines & bladder)	0/3*	Enteric and urinary bladder parasites were not observed in any rat. *This barrier has tested positive for <i>Chilomastix sp.</i>

PATHOLOGY		No. Pos./No. Tested	Comments
Gross:	None significant		Overall frequency of lesions in these rats is low.
Histologic:			Lesions are incidental and / or consistent with the normal aging process and are not indicative of infection with murine adventitious agents.
Lymphoid hyperplasia lung	2/3		
Harderian gland lymphoid infiltrate	2/3		
Microgranuloma liver	1/3		
Myocardial degeneration	2/3		
Hepatic Lymphoid Infiltrates	3/3		
A few other incidental lesions were also noted.			

AVAILABILITY	
Rats obtained from NIA-NIH aging colonies maintained in a maximum security barrier by Harlan in Indianapolis, Indiana. The combined census of these colonies, at the time of referenced monitoring, is tabulated below:	
Retired Breeders - Male (9 - 26 months of age)	201
Virgin - Male (1 - 28 months of age)	7,361
Virgin - Female (1 - 30 months of age)	2,818
Total Census:	10,380

For information, contact:

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