

HARLAN ANIMAL COLONIES
HEALTH EVALUATION SUMMARY
CONTRACT N01-AG-7-2100

Enclosure 2
August 1, 2008
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MICE Isolators 265I

ANIMAL FACILITY	STRAIN	NO./SEX	AGE	TESTING LABORATORY/DATES
Location: Indianapolis, IN Barrier/Building: 265I Ship Date: 5/4/08	BALB/cByJNiaHsd CB6F1/NiaHsd C57BL/6JNiaHsd	1M/1F 2M/1F 1M/1F	28-29 months 28-29 months 25-26 months	University of Missouri UMRADIL, Columbia, MO Receipt Date: 5/5/08 Report Date: 7/18/08

EVALUATION

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

SEROLOGY

Agent	Assay	No. Pos./ No. Tested	Comments
<i>M. pulmonis</i>	MFI	0/7	
MHV	MFI	0/7	
Sendai	MFI	0/7	
PVM	MFI	0/7	
Reo 3	MFI	0/7	
TMEV GDVII	MFI	0/7	
Mouse Parvovirus	MFI	0/7	
MVM	MFI	0/7	
Ectromelia	MFI	0/2	
MAD	MFI	0/2	
Polyoma	MFI	0/2	
Rotavirus	MFI	0/2	
LCM	MFI	0/2	
Hantaan	MFI	0/2	
K virus	MFI	0/2	
MCMV	MFI	0/2	
MTV	IFA	0/2	
LDEV	ENZYME	0/2	
<i>E. cuniculi</i>	MFI	0/2	

BACTERIOLOGY

Agent	No. Pos./No. Tested	Comments
<i>Salmonella spp.</i>	0/7	Nasopharynx/cecum cultures.
<i>Pasteurella pneumotropica</i>	0/7	
<i>Pasteurella spp.</i>	0/7	
<i>Bordetella bronchiseptica</i>	0/7	The bacteria isolated from the oropharynx and
<i>Pseudomonas aeruginosa</i>	4/7	cecum are opportunistic or normal flora of the
<i>Citrobacter rodentium</i>	0/7	mouse.
<i>Corynebacterium kutscheri</i>	0/7	
<i>Klebsiella pneumoniae</i>	0/7	
<i>Klebsiella oxytoca</i>	0/7	
<i>Pasteurella multocida</i>	0/7	
<i>Staphylococcus aureus</i>	2/7	
<i>Streptococcus sp. Group B beta</i>	0/7	

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PCR		
Agent	No. Pos./No. Tested	Comments
<i>Mycoplasma pulmonis</i>	0/7	
<i>Helicobacter spp.</i>	Positive*	Pooled samples. *Tested positive for <i>Helicobacter rodentium</i> and <i>Helicobacter hepaticus</i> .

PARASITOLOGY		
Type and Test	No. Pos./No. Tested	Comments
Ectoparasites Test(s): Direct pelage	0/7	External parasites were not observed in any mice.
Endoparasites Test(s): Direct, Gross, and Microscopic (intestine & bladder)	5/7	Urinary bladder parasites were not observed in any mouse. Commensal nonpathogenic intestinal flagellates including <i>Chilomastix spp.</i> were found in some animals.

PATHOLOGY		
Gross:	None Significant	Overall frequency of lesions in these mice is low.
Histologic:		
Microgranulomas-liver	6/7	Lesions are incidental and/or consistent with normal aging process and are not indicative of infection with murine adventitious pathogens.
Lymphoid infiltrate lung	6/7	
Lymphoid filtrates-kidney	4/7	
A few other incidental lesions were also noted.		

AVAILABILITY	
Mice 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 the referenced monitoring is tabulated below:	
Virgin Male (28 - 37 months of age)	11
Virgin Female (29 - 32 months of age)	7
Total Census:	18

For information, contact:
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Senior Veterinarian

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MICE Barrier 217

ANIMAL FACILITY	STRAIN	NO./SEX	AGE	TESTING LABORATORY/DATES
Location: Indianapolis, IN Barrier/Building: 217 Ship Date: 5/4/08	B6D2F1/NiaHsd CB6F1/C3D2F1	0M/4F 0M/4F	27-30 months 27 months	University of Missouri UMRADIL, Columbia, MO Receipt Date: 5/5/08 Report Date: 7/18/08

EVALUATION

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

SEROLOGY

Agent	Assay	No. Pos./ No. Tested	Comments
<i>M. pulmonis</i>	MFI	0/8	
MHV	MFI	0/8	
Sendai	MFI	0/8	
PVM	MFI	0/8	
Reo 3	MFI	0/8	
TMEV GDVII	MFI	0/8	
Mouse Parvovirus	MFI	0/8	
MVM	MFI	0/8	
Ectromelia	MFI	0/8	
MAD	MFI	0/8	
Polyoma	MFI	0/8	
Rotavirus	MFI	0/3	
LCM	MFI	0/3	
Hantaan	MFI	0/3	
K Virus	MFI	0/3	
MCMV	MFI	0/3	
MTV	IFA	0/3	
LDEV	ENZYME	0/3	
<i>E. cuniculi</i>	MFI	0/3	

BACTERIOLOGY

Agent	No. Pos/No. Tested	Comments
<i>Salmonella spp.</i>	0/8	Nasopharynx/cecum cultures.
<i>Pasteurella pneumotropica</i>	0/8	
<i>Pasteurella spp.</i>	0/8	
<i>Bordetella bronchiseptica</i>	0/8	
<i>Pseudomonas aeruginosa</i>	0/8	
<i>Citrobacter rodentium</i>	0/8	
<i>Corynebacterium kutscheri</i>	0/8	
<i>Klebsiella pneumoniae</i>	0/8	
<i>Klebsiella oxytoca</i>	0/8	The bacteria isolated from the oropharynx and cecum are opportunistic or normal flora of the mouse.
<i>Staphylococcus aureus</i>	0/8	
<i>Streptococcus sp. Group B beta</i>	0/8	

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MICE Barrier 217

PCR		
Agent	No. Pos./No. Tested	Comments
<i>Mycoplasma pulmonis</i>	0/8	
<i>Helicobacter hepaticus</i> ; <i>Helicobacter sp.</i>	0/8	

PARASITOLOGY		
Type and Test	No. Pos./No. Tested	Comments
Ectoparasites Test(s): Direct pelage	0/8	External parasites were not observed in any mice.
Endoparasites Test(s): Direct, Gross, and Microscopic (intestine & bladder)	3/8	Enteric and urinary bladder parasites were not observed in any mouse. A nonpathogenic commensal intestinal flagellate, <i>Chilomastix sp.</i> was found in some animals.

PATHOLOGY		
Gross:	None Significant	Overall frequency of lesions in these mice is low.
Histologic:		
Microgranuloma-liver	4/8	Lesions are incidental and/or consistent with normal aging process and are not indicative of infection with murine adventitious pathogens.
Lymphoid infiltrate-lung	4/8	
Lymphoid infiltrate-kidney	3/8	
Bronchoalveolar adenoma	1/8	
A few other incidental lesions were noted.		

AVAILABILITY	
Mice 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 (21 - 37 months of age)	0
Virgin Female (21 - 35 months of age)	0
Total Census:	0

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