

HARLAN ANIMAL COLONIES  
HEALTH EVALUATION SUMMARY

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October 29, 2007  
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CONTRACT N01-AG-7-2100

MICE Barrier 217

ANIMAL FACILITY	STRAIN	NO./SEX	AGE	TESTING LABORATORY/DATES
Location: Indianapolis, IN Barrier/Building: 217  Ship Date: 8/5/07	BALB/cJByNiaHsd	1M/1F	18 months	University of Missouri UMRADIL, Columbia, MO  Receipt Date: 8/6/07 Report Date: 10/11/07
	B6C3F1/NiaHsd	3M/2F	18 months	
	B6D2F1/NiaHsd	2M/0F	18 months	
	B6D2F1/NiaHsd	2M/0F	24 months	
	CBA/JNiaHsd	2M/3F	18 months	
	CB6F1/NiaHsd	2M/1F	18 months	
	CB6F1/C3D2F1	3M/0F	24 months	
	C57BL/6NiaHsd	2M/0F	18 months	
	DBA/2JNiaHsd	2M/3F	18 months	

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	0/29	
MHV	MFI	0/29	
Sendai	MFI	0/29	
PVM	MFI	0/29	
Reo 3	MFI	0/29	
TMEV GDVII	MFI	0/29	
Mouse Parvovirus	MFI	0/29	
MVM	MFI	0/29	
Ectromelia	MFI	0/29	
MAD	MFI	0/29	
Polyoma	MFI	0/29	
Rotavirus	MFI	0/7	
LCM	MFI	0/7	
Hantaan	MFI	0/7	
K Virus	MFI	0/7	
MCMV	MFI	0/7	
MTV	IFA	0/7	
LDEV	ENZYME	0/7	
<i>E. cuniculi</i>	MFI	0/7	

BACTERIOLOGY		
Agent	No. Pos/No. Tested	Comments
<i>Salmonella spp.</i>	0/29	Nasopharynx/cecum cultures.
<i>Pasteurella pneumotropica</i>	2/29*	* <i>Pasteurella pneumotropica</i> was isolated from the nasopharynx of two animals. Other mice from this facility were negative for <i>P. pneumotropica</i> in this group of submission. No mice have been found to be positive through regular health monitoring of this facility. We cannot confirm this finding and cannot conclude the mice from this colony are truly colonized by <i>P. pneumotropica</i> .  The bacteria isolated from the oropharynx and cecum are opportunistic or normal flora of the mouse.
<i>Pasteurella spp.</i>	0/29	
<i>Bordetella bronchiseptica</i>	0/29	
<i>Pseudomonas aeruginosa</i>	0/29	
<i>Citrobacter rodentium</i>	0/29	
<i>Corynebacterium kutscheri</i>	0/29	
<i>Klebsiella pneumoniae</i>	0/29	
<i>Klebsiella oxytoca</i>	0/29	
<i>Staphylococcus aureus</i>	5/29	
<i>Streptococcus sp. Group B beta</i>	1/29	

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PCR		
Agent	No. Pos./No. Tested	Comments
<i>Mycoplasma pulmonis</i>	0/29	
<i>Helicobacter hepaticus; Helicobacter sp.</i>	0/29	

PARASITOLOGY		
Type and Test	No. Pos./No. Tested	Comments
Ectoparasites Test(s): Direct pelage	0/29	External parasites were not observed in any mice.
Endoparasites Test(s): Direct, Gross, and Microscopic (intestine & bladder)	6/29	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	8/29	Lesions are incidental and/or consistent with normal aging process and are not indicative of infection with murine adventitious pathogens.
Lymphoid infiltrate lung	8/29	
Lymphoid infiltrate kidney	7/29	
Mixed follicular center cell lymphoma	2/29	
Nephrocalcinosis	1/29	
Bronchoalveolar adenoma - lung	2/29	
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 ( 15 - 39 months of age)	1,744
Virgin Female ( 12 - 42 months of age)	1,192
Total Census:	2,936

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Karla A. Stevens, D.V.M.  
Principal Investigator

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MICE Barrier 218B

ANIMAL FACILITY	STRAIN	NO./SEX	AGE	TESTING LABORATORY/DATES
Location: Prattville, AL Barrier/Building: 218B Ship Date: 8/5/07	BALB/cByJNiaHsd CB6F1/NiaHsd C57BL/6JNiaHsd	2M/1F 2M/1F 1M/1F	18 months 18 months 18 months	University of Missouri UMRADIL, Columbia, MO Receipt Date: 8/6/07 Report Date: 10/11/07

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	0/3	
MAD	MFI	0/3	
Polyoma	MFI	0/3	
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	The bacteria isolated from the oropharynx and cecum are opportunistic or normal flora of the mouse.
<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	
<i>Pasteurella multocida</i>	0/8	
<i>Staphylococcus aureus</i>	3/8	
<i>Streptococcus sp. Group B beta</i>	0/8	

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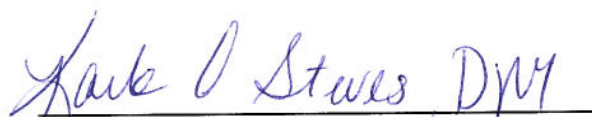
PCR		
Agent	No. Pos./No. Tested	Comments
<i>Mycoplasma pulmonis</i>	0/8	
<i>Helicobacter spp.</i>	Negative*	Pooled samples. *Colony previously tested positive for <i>Helicobacter rodentium</i> and <i>Helicobacter hepaticus</i> .

PARASITOLOGY		
Type and Test	No. Pos./No. Tested	Comments
Ectoparasites Test(s): Direct pelage	0/8	External parasites were not observed in any mice.
Endoparasites Test(s): Direct, Gross, and Microscopic (intestine & bladder)	6/8	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:		
Microgranuloma liver	5/8	Lesions are incidental and/or consistent with normal aging process and are not indicative of infection with murine adventitious pathogens.
Lymphoid infiltrate lung	5/8	
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 Prattville, Alabama. The combined census of these colonies, at the time of the referenced monitoring is tabulated below:	
Virgin Male ( 16 - 31 months of age)	247
Virgin Female ( 17 - 31 months of age)	206
Total Census:	453

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