

HARLAN ANIMAL COLONIES
HEALTH EVALUATION SUMMARY

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January 31, 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: 11/5/06	BALB/cJByNiaHsd	4M/4F	16-19 months	University of Missouri UMRADIL, Columbia, MO Receipt Date: 11/6/06 Report Date: 1/23/07
	B6C3F1/NiaHsd	2M/2F	20 months	
	B6D2F1/NiaHsd	2M/2F	20 months	
	CBA/JNiaHsd	2M/2F	20 months	
	CB6F1/NiaHsd	3M/3F	20 months	
	CB6F1/C3D2F1	2M/2F	20 months	
	C57BL/6NiaHsd	5M/3F	19-20 months	
	DBA/2JNiaHsd	2M/2F	6-7 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	0/42	
MHV	MFI	0/42	
Sendai	MFI	0/42	
PVM	MFI	0/42	
Reo 3	MFI	0/42	
TMEV GDVII	MFI	0/42	
Mouse Parvovirus	MFI	0/42	
MVM	MFI	0/10	
Ectromelia	MFI	0/10	
MAD	MFI	0/10	
Polyoma	MFI	0/10	
Rotavirus	MFI	0/10	
LCM	MFI	0/10	
Hantaan	MFI	0/10	
K Virus	MFI	0/10	
MCMV	MFI	0/10	
MTV	IFA	0/10	
LDEV	ENZYME	0/10	
<i>E. cuniculi</i>	MFI	0/10	

BACTERIOLOGY		
Agent	No. Pos/No. Tested	Comments
<i>Salmonella spp.</i>	0/42	Nasopharynx/cecum cultures. The bacteria isolated from the oropharynx and cecum are opportunistic or normal flora of the mouse.
<i>Pasteurella pneumotropica</i>	0/42	
<i>Pasteurella spp.</i>	0/42	
<i>Bordetella bronchiseptica</i>	0/42	
<i>Pseudomonas aeruginosa</i>	24/42	
<i>Citrobacter rodentium</i>	0/42	
<i>Corynebacterium kutscheri</i>	0/42	
<i>Klebsiella pneumoniae</i>	0/42	
<i>Klebsiella oxytoca</i>	0/42	
<i>Staphylococcus aureus</i>	3/42	
<i>Streptococcus sp. Group B beta</i>	1/42	

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PCR		
Agent	No. Pos/No. Tested	Comments
<i>Mycoplasma pulmonis</i>	0/42	
<i>Helicobacter hepaticus</i> ; <i>Helicobacter sp.</i>	0/42	

PARASITOLOGY		
Type and Test	No. Pos./No. Tested	Comments
Ectoparasites Test(s): Direct pelage	0/42	External parasites were not observed in any mice.
Endoparasites Test(s): Direct, Gross, and Microscopic (intestine & bladder)	8/42	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. Lesions are incidental and/or consistent with normal aging process and are not indicative of infection with murine adventitious pathogens.
Histologic:		
Microgranuloma liver	7/42	
Lymphoid infiltrate lung	26/42	
Lymphoid infiltrate kidney	20/42	
Lymphoid infiltrate liver	11/42	
Multifocal mineralization brain	4/42	
Hepatocellular adenoma	1/42	
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 (6 - 39 months of age)	7,245
Virgin Female (6 - 38 months of age)	4,321
Total Census:	11,566

For information, contact:
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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: 11/5/06	BALB/cByJNiaHsd CB6F1/NiaHsd C57BL/6JNiaHsd C57BL/6JNiaHsd	4M/4F 2M/2F 1M/1F 5M/5F	19-20 months 20 months 6 months 20 months	University of Missouri UMRADIL, Columbia, MO Receipt Date: 11/6/06 Report Date: 1/23/07

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	0/24	
MHV	MFI	0/24	
Sendai	MFI	0/24	
PVM	MFI	0/24	
Reo 3	MFI	0/24	
TMEV GDVII	MFI	0/24	
Mouse Parvovirus	MFI	0/24	
MVM	MFI	0/24	
Ectromelia	MFI	0/8	
MAD	MFI	0/8	
Polyoma	MFI	0/8	
Rotavirus	MFI	0/8	
LCM	MFI	0/8	
Hantaan	MFI	0/8	
K virus	MFI	0/8	
MCMV	MFI	0/8	
MTV	IFA	0/8	
LDEV	ENZYME	0/8	
<i>E. cuniculi</i>	MFI	0/8	

BACTERIOLOGY

Agent	No. Pos./No. Tested	Comments
<i>Salmonella spp.</i>	0/24	Nasopharynx/cecum cultures.
<i>Pasteurella pneumotropica</i>	0/24	
<i>Pasteurella spp.</i>	0/24	
<i>Bordetella bronchiseptica</i>	0/24	The bacteria isolated from the oropharynx and cecum are opportunistic or normal flora of the mouse.
<i>Pseudomonas aeruginosa</i>	0/24	
<i>Citrobacter rodentium</i>	0/24	
<i>Corynebacterium kutscheri</i>	0/24	
<i>Klebsiella pneumoniae</i>	0/24	
<i>Klebsiella oxytoca</i>	0/24	
<i>Pasteurella multocida</i>	0/24	
<i>Staphylococcus aureus</i>	16/24	
<i>Streptococcus sp. Group B beta</i>	0/24	

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MICE Barrier 218B


PCR		
Agent	No. Pos./No. Tested	Comments
<i>Mycoplasma pulmonis</i>	0/24	Pooled samples.
<i>Helicobacter hepaticus</i> / <i>H. rodentium</i>	Positive	

PARASITOLOGY		
Type and Test	No. Pos./No. Tested	Comments
Ectoparasites Test(s): Direct pelage	0/24	External parasites were not observed in any mice.
Endoparasites Test(s): Direct, Gross, and Microscopic (intestine & bladder)	12/24	Urinary bladder parasites were not observed in any mouse. Commensal nonpathogenic intestinal flagellates including <i>Chilomastix sp.</i> and <i>Trichomonads</i> were found in some animals.

PATHOLOGY		
Gross:	None Significant	Overall frequency of lesions in these mice is low.
Histologic:		
Multifocal mineralization brain	2/24	Lesions are incidental and/or consistent with normal aging process and are not indicative of infection with murine adventitious pathogens.
Microgranuloma liver	6/24	
Lymphoid infiltrate lung	15/24	
Lymphoid infiltrate kidney	10/24	
Lymphoid infiltrate liver	5/24	
Multifocal lipidosis liver	2/24	
Acute necrosis liver	1/24	
Bronchiolar adenoma	1/24	
Alveolar adenoma	1/24	
Immunoblastic lymphoma spleen	1/24	
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 (6 - 39 months of age)	4,673
Virgin Female (6 - 36 months of age)	1,975
Total Census:	6,648

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