

HARLAN ANIMAL COLONIES
HEALTH EVALUATION SUMMARY

Enclosure 2
October 24, 2006
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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: 8/6/06	BALB/cJByNiaHsd	3M/3F	12 months	University of Missouri UMRADIL, Columbia, MO Receipt Date: 8/7/06 Report Date: 10/13/06
	B6C3F1/NiaHsd	2M/2F	12 months	
	B6D2F1/NiaHsd	2M/2F	12 months	
	CBA/JNiaHsd	2M/2F	12 months	
	CB6F1/C3D2F1	1M/1F	9 months	
	CB6F1/C3D2F1	2M/2F	12 months	
	C57BL/6NiaHsd	4M/4F	12 months	
	DBA/2JNiaHsd	2M/2F	6 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	0/36	
MHV	MFI	0/36	
Sendai	MFI	0/36	
PVM	MFI	0/36	
Reo 3	MFI	0/36	
TMEV GDVII	MFI	0/36	
Mouse Parvovirus	MFI	0/36	
MMV	MFI	0/8	
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>	0/36	Nasopharynx/cecum cultures. The bacteria isolated from the oropharynx and cecum are opportunistic or normal flora of the mouse.
<i>Pasteurella pneumotropica</i>	0/36	
<i>Pasteurella spp.</i>	0/36	
<i>Bordetella bronchiseptica</i>	0/36	
<i>Pseudomonas aeruginosa</i>	0/36	
<i>Citrobacter rodentium</i>	0/36	
<i>Corynebacterium kutscheri</i>	0/36	
<i>Klebsiella pneumoniae</i>	0/36	
<i>Klebsiella oxytoca</i>	4/36	
<i>Staphylococcus aureus</i>	6/36	
<i>Streptococcus sp. Group B beta</i>	0/36	

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PCR		
Agent	No. Pos/No. Tested	Comments
<i>Mycoplasma pulmonis</i>	0/32	
<i>Helicobacter hepaticus</i> ; <i>Helicobacter sp.</i>	0/32	

PARASITOLOGY		
Type and Test	No. Pos./No. Tested	Comments
Ectoparasites Test(s): Direct pelage	0/32	External parasites were not observed in any mice.
Endoparasites Test(s): Direct, Gross, and Microscopic (intestine & bladder)	0/32	Enteric and urinary bladder parasites were not observed in any mouse.

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	11/32	
Lymphoid infiltrate lung	8/32	
Multifocal Lipidosis liver	5/32	
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 (3 - 40 months of age)	9,809
Virgin Female (3 - 35 months of age)	5,896
Total Census:	15,705

For information, contact:
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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: 8/6/06	BALB/cByJNiaHsd CB6F1/NiaHsd C57BL/6JNiaHsd C57BL/6JNiaHsd	4M/4F 2M/2F 1M/1F 3M/3F	18 months 18 months 6 months 19 months	University of Missouri UMRADIL, Columbia, MO Receipt Date: 8/7/06 Report Date: 10/13/2006

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	0/20	
MHV	MFI	0/20	
Sendai	MFI	0/20	
PVM	MFI	0/20	
Reo 3	MFI	0/20	
TMEV GDVII	MFI	0/20	
Mouse Parvovirus	MFI	0/20	
MMV	MFI	0/20	
Ectromelia	MFI	0/4	
MAD	MFI	0/4	
Polyoma	MFI	0/4	
Rotavirus	MFI	0/4	
LCM	MFI	0/4	
Hantaan	MFI	0/4	
K virus	MFI	0/4	
MCMV	MFI	0/4	
MTV	IFA	0/4	
LDEV	ENZYME	0/4	
<i>E. cuniculi</i>	MFI	0/4	

BACTERIOLOGY

Agent	No. Pos./No. Tested	Comments
<i>Salmonella spp.</i>	0/20	Nasopharynx/cecum cultures.
<i>Pasteurella pneumotropica</i>	0/20	
<i>Pasteurella spp.</i>	0/20	
<i>Bordetella bronchiseptica</i>	0/20	The bacteria isolated from the oropharynx and cecum are opportunistic or normal flora of the mouse.
<i>Pseudomonas aeruginosa</i>	0/20	
<i>Citrobacter rodentium</i>	0/20	
<i>Corynebacterium kutscheri</i>	0/20	
<i>Klebsiella pneumoniae</i>	0/20	
<i>Klebsiella oxytoca</i>	0/20	
<i>Pasteurella multocida</i>	0/20	
<i>Staphylococcus aureus</i>	8/20	
<i>Streptococcus sp. Group B beta</i>	0/20	

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PCR		
Agent	No. Pos./No. Tested	Comments
<i>Mycoplasma pulmonis</i>	0/20	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	0/20	External parasites were not observed in any mice.
Endoparasites Test(s): Direct, Gross, and Microscopic (intestine & bladder)	0/20	Urinary bladder parasites were not observed in any mouse. Commensal nonpathogenic intestinal flagellates including <i>Chilomastix</i> sp. were found in some animals.

PATHOLOGY		
Gross:	None Significant	Overall frequency of lesions in these mice is low.
Histologic:		
Microgranuloma liver	8/20	Lesions are incidental and/or consistent with normal aging process and are not indicative of infection with murine adventitious pathogens.
Lymphoid infiltrate lung	11/20	
Lymphoid infiltrate kidney	2/20	
Lymphoid infiltrate liver	1/20	
Glomerular fibrillar deposits	1/20	
Multifocal lipodosis liver	6/20	
Multifocal hepatitis	2/20	
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 (3 - 39 months of age)	7,012
Virgin Female (3- 39 months of age)	2,795
Total Census:	9,807

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