HARLAN ANIMAL COLONIES
HEALTH EVALUATION SUMMARY

CONTRACT N01-AG-7-2100

MICE Barrier 217

ANIMAL FACILITY	STRAIN	NO./SEX	AGE	TESTING LABORATORY/DATES
Location: Indianapolis, IN	B6C3F1/NiaHsd	3M/1F	27 months	University of Missouri
Barrier/Building: 217	B6D2F1/NiaHsd	2M/2F	27 months	UMRADIL, Columbia, MO
	CBA/JNiaHsd	0M/2F	27 months	
	CB6F1/NiaHsd	2M/2F	28 months	
	CB6F1/C3D2F1	2M/2F	28 months	
	C57BL/6NiaHsd	1M/0F	23 months	Receipt Date: 2/4/08
Ship Date: 2/3/08	DBA/2JNiaHsd	0M/2F	23 months	Report Date: 4/8/08

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
M. pulmonis	MFI	0/21	
MHV	MFI	0/21	
Sendai	MFI	0/21	
PVM	MFI	0/21	
Reo 3	MFI	0/21	
TMEV GDVII	MFI	0/21	
Mouse Parvovirus	MFI	0/21	
MVM	MFI	0/21	
Ectromelia	MFI	0/21	
MAD	MFI	0/21	
Polyoma	MFI	0/21	
Rotavirus	MFI	0/5	
LCM	MFI	0/5	
Hantaan	MFI	0/5	
K Virus	MFI	0/5	
MCMV	MFI	0/5	
MTV	IFA	0/5	
LDEV	ENZYME	0/5	
E. cuniculi	MFI	0/5	

BACTERIOLOGY

Agent	No. Pos/No. Tested	Comments
Salmonella spp.	0/21	Nasopharynx/cecum cultures.
Pasteurella pneumotropica	0/21	
Pasteurella spp.	0/21	
Bordetella bronchiseptica	0/21	
Pseudomonas aeruginosa	0/21	
Citrobacter rodentium	0/21	
Corynebacterium kutscheri	0/21	
Klebsiella pneumoniae	0/21	
Klebsiella oxytoca	0/21	The bacteria isolated from the oropharynx and
Staphylococcus aureus	3/21	cecum are opportunistic or normal flora of the
Streptococcus sp. Group B beta	0/21	mouse.

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PCR

Agent	No. Pos/No. Tested	Comments
Mycoplasma pulmonis	0/21	
Helicobacter hepaticus; Helicobacter sp.	0/21	

PARASITOLOGY

Type and Test	No. Pos./No. Tested	Comments
Ectoparasites Test(s): Direct pelage	0/21	External parasites were not observed in any mice.
Endoparasites Test(s): Direct, Gross, and Microscopic (intestine & bladder)	8/21	Enteric and urinary bladder parasites were not observed in any mouse. A nonpathogenic commensal intestinal flagellete, *Chilomastix sp.* was found in some animals.

PATHOLOGY

Gross:	None Significant	Overall frequency of lesions in these mice is low.
Histologic:		
Bronchoalveolar carcinoma	1/21	Lesions are incidental and/or consistent with normal aging process and are not indicative of infection with murine adventitious pathogens.
Mixed follicular center cell lymphoma	4/12	
Microgranuloma-liver	9/21	
Lymphoid infiltrate-lung	8/21	
Lymphoid infiltrate-kidney	4/21	
Bronchoalveolar adenoma	1/21	
Thalamic mineralization	6/21	
Hemangloma	1/21	
Nephrocalcinosis	2/21	
Interstital pneumonia	1/21	
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 tabulabed below:

Virgin Male (21 - 37 months of age)	271
Virgin Female (21 - 35 months of age)	304
Total Census:	575

For information, contact:
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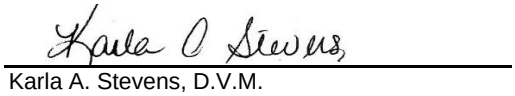

Karla A. Stevens, D.V.M.
Principal Investigator

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

MICE Barrier 265I

ANIMAL FACILITY	STRAIN	NO./SEX	AGE	TESTING LABORATORY/DATES
Location: Indianapolis, IN Barrier/Building: 265I Ship Date: 2/3/08	BALB/cByJNiaHsd CB6F1/NiaHsd C57BL/6JNiaHsd	1M/1F 2M/1F 1M/1F	24-25 months 28 months 21-23 months	University of Missouri UMRADIL, Columbia, MO Receipt Date: 2/4/08 Report Date: 4/8/08

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
M. pulmonis	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	
E. cuniculi	MFI	0/2	

BACTERIOLOGY

Agent	No. Pos./No. Tested	Comments
Salmonella spp.	0/7	Nasopharynx/cecum cultures.
Pasteurella pneumotropica	0/7	
Pasteurella spp.	0/7	
Bordetella bronchiseptica	0/7	The bacteria isolated from the oropharynx and
Pseudomonas aeruginosa	5/7	cecum are opportunistic or normal flora of the
Citrobacter rodentium	0/7	mouse.
Corynebacterium kutscheri	0/7	
Klebsiella pneumoniae	0/7	
Klebsiella oxytoca	0/7	
Pasteurella multocida	0/7	
Staphylococcus aureus	3/7	
Streptococcus sp. Group B beta	0/7	

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MICE Barrier 265I

PCR

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

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)	6/7	Urinary bladder parasites were not observed in any mouse. Commensal nonpathogenic intestinal flagellates including *Chilomastix spp.* were found in some animals.

PATHOLOGY

Gross:	None Significant	Overall frequency of lesions in these mice is low.
Histologic:		
Microgranulomas-liver	5/7	Lesions are incidential and/or consistent with normal aging process and are not indicative of infection with murine adventitious pathogens.
Lymphoid infiltrate lung	3/7	
Lymphoid filtrates-kidney	1/7	
Bronchoalveolar carcinoma	1/7	
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 (22 - 35 months of age)	50
Virgin Female (23 - 32 months of age)	39
Total Census:	89

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