

Building: Genetic Medicine

Location: Lower Basement, Suite 30

Date of Issue: 11-17-2017

Date Location First Occupied: 8/1/10

Housing Type: IVC

Report#: 2017-046025

Species: Mouse

Testing Laboratory: Charles River Diagnostic Laboratory

This report summarizes the results of tests performed on surrogate, cull and sentinel mice from all rooms in the MMRRC-UNC barrier-maintained production facility. Note data are reported as positive tests/total tests performed. Current positive results are bolded. Please contact the MMRRC-UNC at mmrc_health@med.unc.edu with questions about this report or animal health issues.

Virginia Godfrey, DVM, PhD

Co-PI – MMRRC-UNC

Associate Director – Department of Laboratory Animal Medicine

Professor of Pathology, University of North Carolina-Chapel Hill

Latest Result is the date animals are removed from the colony to begin the health testing process. Compilation of all results for web posting may take several weeks.

Organism	Sample Tested	Test Method	Latest Result 11/1/2017	Cumulative 2017 Results	2016 Results	2015 Results	2003 -2014 Results ^{##‡}
VIRUSES							
Ectromelia	Serum	MFI	0/20	0/148	0/200	0/200	0/1335
GDVII (Theiler's) virus	Serum	MFI	0/20	0/148	0/200	0/200	0/1335
Hantaan	Serum	MFI	0/20	0/148	0/200	0/200	0/1107
K Virus	Serum	MFI	0/20	0/148	0/200	0/200	0/969
Lactic dehydrogenase elevating virus (LDEV)	Serum	MFI	0/20	0/148	0/200	0/200	0/850
Lymphocytic choriomeningitis (LCMV)	Serum	MFI	0/20	0/148	0/200	0/200	0/1335
Minute virus of mice (MVM)	Serum	MFI	0/20	0/148	0/200	0/200	0/1335
Mouse adenovirus strain 1(MAD1)	Serum	MFI	0/20	0/148	0/200	0/200	0/1335
Mouse adenovirus strain 2 (MAD2)	Serum	MFI	0/20	0/148	0/200	0/200	0/1335
Mouse cytomegalovirus (mCMV)	Serum	MFI	0/20	0/148	0/200	0/200	0/1335
Mouse hepatitis virus (MHV)	Serum	MFI	0/20	0/148	0/200	0/200	0/1335
Mouse Parvovirus (MPV)	Serum	MFI	0/20	0/148	0/200	0/200	0/1335
Mouse Parvovirus (MPV)	Spleen	PCR	-----	0/5	0/22	0/33	0/514
Mouse Thymic virus (MTV)	Serum	IFA	0/20	0/148	0/200	0/200	0/1248
Murine Norovirus (MNV)	Serum	MFI	0/20	0/148	0/200	0/200	0/1248
Pneumonia virus of mice (PVM)	Serum	MFI	0/20	0/148	0/200	0/200	0/1335
Polyoma virus	Serum	MFI	0/20	0/148	0/200	0/200	0/1335
Reovirus 3 (REO3)	Serum	MFI	0/20	0/148	0/200	0/200	0/1335
Rotavirus (EDIM)	Serum	MFI	0/20	0/148	0/200	0/200	0/1335
Sendai virus	Serum	MFI	0/20	0/148	0/200	0/200	0/1335

[#]From 2003-January 2007, Charles River was the testing Laboratory. February 2007- October 2011, RADIL was the testing Laboratory.

^{*}The MMRRC moved to a brand new animal facility in the Genetic Medicine Building from BerryHill Hall 8/1/10. Prior to 2010, fewer animals were sent for testing due to less rigorous standards in the previous facility.

[‡] November 2011, MMRRC-UNC switched all testing to Charles River Diagnostic Laboratory.

Organism	Sample Tested	Test Method	Latest Result 11/1/2017	Cumulative 2017 Results	2016 Results	2015 Results	2003-2014 Results ^{†‡}
BACTERIA & MYCOPLASMA							
<i>Bordetella bronchiseptica</i>	Nasopharynx	Culture	0/20	0/148	0/200	0/200	0/977
CAR bacillus	Serum	MFI	0/20	0/148	0/200	0/200	0/1405
<i>Clostridium piliforme</i>	Serum	MFI	0/20	0/148	0/200	0/200	0/1335
<i>Citrobacter rodentium</i>	Cecum	Culture	0/20	0/148	0/200	0/200	0/1335
<i>Corynebacterium kutscheri</i>	Trachea	Culture	0/20	0/148	0/200	0/200	0/1335
<i>Helicobacter bilis</i>	Feces	PCR	0/20	0/148	0/200	0/200	0/1335
<i>Helicobacter ganmani</i> ^e	Feces	PCR	0/20	0/148	0/200	0/200	0/696
<i>Helicobacter hepaticus</i>	Feces	PCR	0/20	0/148	0/200	0/200	0/1335
<i>Helicobacter rodentium</i> ^e	Feces	PCR	0/20	0/148	0/200	0/200	0/961
<i>Helicobacter troglontum</i> ^e	Feces	PCR	0/20	0/148	0/200	0/200	0/961
<i>Helicobacter typhlonius</i> ^e	Feces	PCR	0/20	0/148	0/200	0/200	0/961
<i>Helicobacter</i> sp.	Feces	PCR	0/20	0/148	0/200	0/200	0/1335
<i>Klebsiella oxytoca</i>	Cecum	Culture	0/20	0/148	0/200	0/200	0/927
<i>Klebsiella pneumoniae</i>	Cecum	Culture	0/20	0/148	0/200	0/200	0/927
<i>Mycoplasma pulmonis</i>	Serum	PCR	0/20	0/148	0/200	0/200	0/1335
<i>Pasturella multocida</i>	Nasopharynx	Culture	0/20	0/148	0/200	0/200	0/1007
<i>Pasturella pneumotropica</i>	Trachea	Culture	0/20	0/148	0/200	0/200	0/1335
<i>Pseudomonas aeruginosa</i>	Cecum	Culture	0/20	0/148	0/200	0/200	0/1177
<i>Proteus mirabilis</i>	Cecum	Culture	0/20	0/148	0/200	0/200	0/889
<i>Salmonella</i> sp	Cecum	Culture	0/20	0/148	0/200	0/200	0/1335
<i>Staphylococcus aureus</i>	Nasopharynx	Culture	0/20	0/148	0/200	0/200	0/1007
<i>Streptobacillus moniliformis</i>	Oral swab	PCR	0/20	0/148	0/200	0/200	0/889
<i>Streptococcus pneumoniae</i>	Trachea	Culture	0/20	0/148	0/200	0/200	0/1195
<i>Streptococcus</i> sp. beta hemolytic	Nasopharynx	Culture	0/20	0/148	0/200	0/200	0/1007
PARASITES & PROTOZOA							
<i>Encephalitozoon cuniculi</i>	Serum	MFI	0/20	0/148	0/200	0/200	0/1335
Ectoparasites ^{b, #}	Fur/Pelt	Exam	0/20	0/148	0/200	0/200	0/1335
Endoparasites ^c	Intestine	Exam	0/20	0/148	0/200	0/200	0/1335
Helminths ^d	Cecum*	Exam	0/20	0/148	0/200	0/200	0/1335
<i>Demodex</i> sp.	Fur Swab	PCR	0/4	0/4	-----	-----	-----

^bFleas, fur mites, mesostigmaid mice, lice

^c*Chilomastix* sp., *Entamoeba* sp., *Giardia* sp., *Hexamastix* sp., *Monocercomonoides* sp., *Retortamoas* sp., *Spironucleus* sp., *Trichomonads* and other large intestinal flagellates

^dPinworms and tapeworms (*Aspicularis tetraptera*, *Syphacia muris* and *Syphacia obvelata*).

^eRADIL identifies these species and Charles River started identifying them in 12/2012.

* A perianal tape test is performed in addition to an examination of cecal contents to detect for pinworms.

† November 2011, MMRRC-UNC switched all testing to Charles River Diagnostic Laboratory.

8/1/2017 ectoparasite testing also included skin scraping for *Demodex musculi*

Please contact the MMRRC-UNC at mmrc_health@med.unc.edu with questions about this report or animal health issues