



Genetic Resource Science (GRS) Repository Health Report Area: AX11

HEALTH STATUS

- PATHOGEN & OPPORTUNIST FREE
- PATHOGEN FREE

BARRIER LEVEL

- MAXIMUM BARRIER
- HIGH BARRIER
- STANDARD BARRIER

Please consult our website for descriptions of our health statuses and barrier levels.

PATHOGENS AND OTHER ORGANISMS- EXCLUDED FROM ALL BARRIERS (SHIPPING STOPPED)

If one of these organisms is found in any GRS area, all shipments are suspended and customers are notified.*

Test Results: #positive/#tested

Organism	Sample Tested	Test Method	Frequency	Aug 12 '19	Jul 1 '19	May 20 '19	Apr 8 '19	Previous 12 months
VIRUSES								
Ectromelia virus	Serum	MFI	6 weeks	0/18	0/18	0/14	0/17	0/147
GDVII (Theiler's) virus	Serum	MFI	6 weeks	0/18	0/18	0/14	0/17	0/147
Hantaan virus	Serum	MFI	6 weeks	0/18	0/18	0/14	0/17	0/151
K virus	Serum	ELISA	annually	-	-	0/14	-	0/16
LDH elevating virus (LDEV)	Serum	Enzyme	annually	-	-	-	0/10	0/10
Lymphocytic choriomeningitis (LCMV)	Serum	MFI	6 weeks	0/18	0/18	0/14	0/17	0/147
Mouse adenovirus (MAV)	Serum	MFI	6 weeks	0/18	0/18	0/14	0/17	0/147
Mouse cytomegalovirus (MCMV)	Serum	MFI	6 weeks	0/18	0/18	0/14	0/17	0/147
Mouse hepatitis virus (MHV)	Serum	MFI	6 weeks	0/18	0/18	0/14	0/17	0/147
Mouse minute virus (MMV)	Serum	MFI	6 weeks	0/18	0/18	0/14	0/17	0/147
Mouse norovirus (MNV)	Serum	MFI	6 weeks	0/18	0/18	0/14	0/17	0/147
Mouse parvovirus (MPV)	Serum	MFI	6 weeks	0/18	0/18	0/14	0/17	0/147
Mouse parvovirus (MPV) [†]	Lymph node	PCR	6 weeks	0/07	0/06	0/10	0/07	0/62
Mouse thymic virus (MTV)	Serum	IFA	quarterly	-	0/18	0/14	-	0/64
Pneumonia virus of mice (PVM)	Serum	MFI	6 weeks	0/18	0/18	0/14	0/17	0/147
Polyoma virus	Serum	ELISA	annually	-	-	0/14	-	0/16
Reovirus 3 (REO 3)	Serum	MFI	6 weeks	0/18	0/18	0/14	0/17	0/147
Rotavirus (EDIM)	Serum	MFI	6 weeks	0/18	0/18	0/14	0/17	0/147
Sendai virus	Serum	MFI	6 weeks	0/18	0/18	0/14	0/17	0/147
BACTERIA & MYCOPLASMA								
<i>Bordetella</i> spp.	Oropharynx	Culture	6 weeks	0/25	0/26	0/24	0/24	0/675
CAR bacillus	Serum	MFI	6 weeks	0/18	0/18	0/14	0/17	0/147
<i>Citrobacter rodentium</i>	Intestine or feces	Culture	6 weeks	0/200	0/260	0/199	0/196	0/1827
<i>Clostridium piliforme</i>	Serum	ELISA	quarterly	-	0/18	0/14	-	0/64
<i>Corynebacterium bovis</i>	Oropharynx/skin	Culture	6 weeks	0/27	0/27	0/29	0/27	0/700
<i>Corynebacterium kutscheri</i>	Oropharynx	Culture	6 weeks	0/25	0/26	0/24	0/24	0/675
<i>Helicobacter</i> spp.	Intestine or feces	PCR	6 weeks	0/07	0/08	0/06	0/06	0/54
<i>Mycoplasma pulmonis</i>	Serum	MFI	6 weeks	0/18	0/18	0/14	0/17	0/147
<i>Pasteurella</i> spp.	Oropharynx	Culture	6 weeks	0/25	0/26	0/24	0/24	0/675
<i>Salmonella</i> spp.	Intestine or feces	Culture	6 weeks	0/200	0/260	0/199	0/196	0/1827
<i>Streptobacillus moniliformis</i>	Oropharynx	Culture	6 weeks	0/25	0/26	0/24	0/24	0/675

[*Additional details regarding our health monitoring program and shipping policy.](#)

[†]The indicated tests are only performed in rooms that house immunodeficient mice.

Test Results: #positive/#tested

Organism	Sample Tested	Test Method	Frequency	Aug 12 '19	Jul 1 '19	May 20 '19	Apr 8 '19	Previous 12 months
PARASITES & PROTOZOA								
<i>Encephalitozoon cuniculi</i>	Serum	MFI	6 weeks	0/18	0/18	0/14	0/17	0/147
Ectoparasites (fleas, lice, mites)	Fur	Visual	6 weeks	0/07	0/08	0/06	0/06	0/54
Endoparasites (tapeworms, pinworms, and other helminths)	Intestine or cecum	Visual	6 weeks	0/07	0/08	0/06	0/06	0/54
Follicle mites	Subcutis	Visual	6 weeks	0/25	0/26	0/24	0/24	0/209
Opportunistic protozoa (e.g., Giardia, Spiroplasma)	Intestine	Microscopy	6 weeks	0/07	0/08	0/06	0/06	0/54

OPPORTUNISTIC ORGANISMS MONITORED (SHIPPING NOT STOPPED)

All of these organisms are excluded from GRS **maximum and high barriers**, and most are excluded from **standard barrier** areas. When a confirmed finding of an excluded organism is made, an investigation is undertaken to identify and eliminate all infected mice from the barrier. Positive results- including results from investigations- are noted in this report, but shipping from the area is not suspended.*

Organism	Sample Tested	Test Method	Frequency	Aug 12 '19	Jul 1 '19	May 20 '19	Apr 8 '19	Previous 12 months
<i>Klebsiella pneumoniae</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/200	0/260	0/199	0/196	0/2293
<i>Klebsiella</i> spp. other than <i>K. pneumoniae</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/200	0/260	0/199	0/196	0/2293
Nonpathogenic protozoa (e.g., Trichomonads)	Intestine	Microscopy	6 weeks	0/07	0/08	0/06	0/06	0/54
<i>Pneumocystis murina</i> †	Lung	PCR	6 weeks	0/07	0/06	0/10	0/07	0/62
<i>Proteus mirabilis</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/200	0/260	0/199	0/196	0/2293
<i>Pseudomonas</i> spp.	Intestine or feces	Culture	6 weeks	0/200	0/260	0/199	0/196	0/1827
<i>Staphylococcus aureus</i>	Oropharynx	Culture	6 weeks	0/25	0/26	0/24	0/30	42/4013*
<i>Streptococcus pneumoniae</i>	Oropharynx	Culture	6 weeks	0/25	0/26	0/24	0/24	0/675
Beta-hemolytic <i>Streptococcus</i> spp. (non-group D)	Oropharynx	Culture	6 weeks	0/25	0/26	0/24	0/24	0/675

Gross Pathology	Test Method	Frequency	Aug 12 '19	Jul 1 '19	May 20 '19	Apr 8 '19	Previous 12 months
Necropsy findings	Exam, histopath	6 weeks	0/25	0/26	0/24	0/24	0/209

* A test & cull effort was initiated to eliminate this organism from this barrier. The testing included sampling of all the currently occupied cages in the room. No additional positives were found, and the investigation was concluded. For additional information call 207-288-6205.

All tests were performed by The Jackson Laboratory

James R. Fahey, MS, PhD, DVM, DACVM
Chief of Diagnostic Services & Associate Director
Comparative Medicine & Quality

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The Jackson Laboratory
600 Main Street
Bar Harbor, ME 04609
1-800-422-6423