



# Research Animal Facility (RAF)

## Health Report

### Area: MGL375/377 (M375/377)

BARRIER LEVEL

ELEVATED BARRIER

INTERMEDIATE BARRIER

LOW BARRIER

Please consult our website for descriptions of our barrier levels.

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

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

Test Results: #positive/#tested

Organism	Sample Tested	Test Method	Frequency	Jan '24	Oct '23	Jul '23	Apr '23
<b>VIRUSES</b>							
Ectromelia virus	Serum	MFI	quarterly	0/10	0/10	0/10	0/10
GDVII (Theiler's) virus	Serum	MFI	quarterly	0/10	0/10	0/10	0/10
Hantaan virus	Serum	MFI	quarterly	0/10	0/10	0/10	0/10
K virus	Serum	ELISA	annually	-	0/10	-	-
LDH elevating virus (LDEV)	Serum	PCR	annually	-	-	-	0/10
Lymphocytic choriomeningitis (LCMV)	Serum	MFI	quarterly	0/10	0/10	0/10	0/10
Mouse adenovirus (MAV)	Serum	MFI	quarterly	0/10	0/10	0/10	0/10
Mouse cytomegalovirus (MCMV)	Serum	MFI	quarterly	0/10	0/10	0/10	0/10
Murine chapparrivirus (MuCPV)	Cecum or feces	PCR	quarterly	0/17	0/19	0/19	0/15
Mouse hepatitis virus (MHV)	Serum	MFI	quarterly	0/10	0/10	0/10	0/10
Mouse minute virus (MMV)	Serum	MFI	quarterly	0/10	0/10	0/10	0/10
Mouse parvovirus (MPV)	Serum	MFI	quarterly	0/10	0/10	0/10	0/10
Mouse parvovirus (MPV)†	Lymph node	PCR	quarterly	0/07	0/09	0/09	0/05
Mouse thymic virus (MTV)	Serum	IFA	biannually	0/10	-	0/10	-
Pneumonia virus of mice (PVM)	Serum	MFI	quarterly	0/10	0/10	0/10	0/10
Polyoma virus	Serum	ELISA	annually	-	0/10	-	-
Reovirus 3 (REO 3)	Serum	MFI	quarterly	0/10	0/10	0/10	0/10
Rotavirus (EDIM)	Serum	MFI	quarterly	0/10	0/10	0/10	0/10
Sendai virus	Serum	MFI	quarterly	0/10	0/10	0/10	0/10
<b>BACTERIA &amp; MYCOPLASMA</b>							
<i>Bordetella</i> spp	Oropharynx	Culture	quarterly	0/17	0/19	0/19	0/15
<i>Citrobacter rodentium</i>	Intestine or feces	Culture	quarterly	0/17	0/19	0/19	0/15
<i>Clostridium piliforme</i>	Serum	ELISA	biannually	-	0/10	-	0/10
<i>Corynebacterium bovis</i> †	Skin	PCR	quarterly	0/07	0/09	0/09	0/05
<i>Corynebacterium kutscheri</i>	Oropharynx	Culture	quarterly	0/17	0/19	0/19	0/15
<i>Filobacterium rodentium</i> (CAR bacillus)	Serum	MFI	quarterly	0/10	0/10	0/10	0/10
<i>Mycoplasma pulmonis</i>	Serum	MFI	quarterly	0/10	0/10	0/10	0/10
<i>Salmonella</i> spp.	Intestine or feces	Culture	quarterly	0/17	0/19	0/19	0/15
<i>Streptobacillus moniliformis</i>	Oropharynx	Culture	quarterly	0/17	0/19	0/19	0/15

[\\*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	Jan '24	Oct '23	Jul '23	Apr '23
<b>PARASITES &amp; PROTOZOA</b>							
<i>Encephalitozoon cuniculi</i>	Serum	MFI	quarterly	0/10	0/10	0/10	0/10
Ectoparasites (fleas, lice, mites)	Fur	Visual	quarterly	0/17	0/19	0/19	0/15
Endoparasites (tapeworms, pinworms§, and other helminths)	Intestine or cecum	Visual	quarterly	0/17	0/19	0/19	0/15
Follicle mites	Subcutis	Visual	quarterly	0/17	0/19	0/19	0/15

### OPPORTUNISTIC ORGANISMS MONITORED (SHIPPING NOT STOPPED)

All of these organisms are excluded from **elevated barriers** and most are excluded from **intermediate barriers**, but some of these organisms are currently tolerated in **low barrier** areas. When an excluded organism is found, 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	Jan '24	Oct '23	Jul '23	Apr '23
<i>Helicobacter</i> spp.	Intestine or feces	PCR	quarterly	0/17	0/19	0/19	0/15
<i>Klebsiella pneumoniae</i>	Oropharynx, intestine, or feces	Culture	quarterly	0/17	0/19	0/19	0/15
<i>Klebsiella oxytoca</i>	Oropharynx, intestine, or feces	Culture	quarterly	0/17	0/19	0/19	0/15
Mouse norovirus (MNV)	Serum	MFI	quarterly	0/10	0/10	0/10	0/10
Protozoa (e.g., Giardia, Spironucleus, etc.)	Intestine	Microscopy	quarterly	0/17	0/19	0/19	0/15
<i>Pasteurella multocida</i>	Oropharynx	Culture	quarterly	0/17	0/19	0/19	0/15
<i>Rodentibacter pneumotropicus</i> / <i>Rodentibacter heyltii</i>	Oropharynx	Culture	quarterly	0/17	0/19	0/19	0/15
<i>Pneumocystis murina</i> †	Lung	PCR	quarterly	0/07	0/09	0/09	0/05
<i>Proteus mirabilis</i>	Oropharynx, intestine, or feces	Culture	quarterly	0/17	0/19	0/19	0/15
<i>Pseudomonas aeruginosa</i>	Oropharynx, intestine, or feces	Culture	quarterly	0/17	0/19	0/19	0/15
<i>Staphylococcus aureus</i>	Oropharynx	Culture	quarterly	0/17	0/19	0/19	0/15
<i>Streptococcus pneumoniae</i>	Oropharynx	Culture	quarterly	0/17	0/19	0/19	0/15
Beta-hemolytic <i>Streptococcus</i> spp. (non-group D)	Oropharynx	Culture	quarterly	0/17	0/19	0/19	0/15
Trichomonads	Intestine	Microscopy	quarterly	0/17	0/19	0/19	0/15

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

§ Testing for this organisms is also performed by PCR

All tests were performed by The Jackson Laboratory

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

MGL375/377 (M375/377)

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