

## Research Animal Facility (RAF) Health Report Area: B5

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	Aug '24	May '24	Feb '24	Oct '23
<b>VIRUSES</b>							
Ectromelia virus	Serum	MFI	quarterly	0/06	0/05	0/06	0/08
GDVII (Theiler's) virus	Serum	MFI	quarterly	0/06	0/05	0/06	0/08
Hantaan virus	Serum	MFI	quarterly	0/06	0/05	0/06	0/08
K virus	Serum	ELISA	annually	-	-	-	0/08
LDH elevating virus (LDEV)	Serum	PCR	annually	-	0/05	-	-
Lymphocytic choriomeningitis (LCMV)	Serum	MFI	quarterly	0/06	0/05	0/06	0/08
Mouse adenovirus (MAV)	Serum	MFI	quarterly	0/06	0/05	0/06	0/08
Mouse cytomegalovirus (MCMV)	Serum	MFI	quarterly	0/06	0/05	0/06	0/08
Murine chapparovirus (MuCPV)	Cecum or feces	PCR	quarterly	0/08	0/07	0/07	0/10
Mouse hepatitis virus (MHV)	Serum	MFI	quarterly	0/06	0/05	0/06	0/08
Mouse minute virus (MMV)	Serum	MFI	quarterly	0/06	0/05	0/06	0/08
Mouse parvovirus (MPV)	Serum	MFI	quarterly	0/06	0/05	0/06	0/08
Mouse parvovirus (MPV)†	Lymph node	PCR	quarterly	0/01	0/02	0/01	0/02
Mouse thymic virus (MTV)	Serum	IFA	biannually	0/06	-	0/06	-
Pneumonia virus of mice (PVM)	Serum	MFI	quarterly	0/06	0/05	0/06	0/08
Polyoma virus	Serum	ELISA	annually	-	-	-	0/08
Reovirus 3 (REO 3)	Serum	MFI	quarterly	0/06	0/05	0/06	0/08
Rotavirus (EDIM)	Serum	MFI	quarterly	0/06	0/05	0/06	0/08
Sendai virus	Serum	MFI	quarterly	0/06	0/05	0/06	0/08
<b>BACTERIA &amp; MYCOPLASMA</b>							
<i>Bordetella</i> spp	Oropharynx	Culture	quarterly	0/08	0/07	0/07	0/10
<i>Citrobacter rodentium</i>	Intestine or feces	Culture	quarterly	0/08	0/07	0/07	0/10
<i>Clostridium piliforme</i>	Serum	ELISA	biannually	-	0/05	-	0/08
<i>Corynebacterium bovis</i> †	Skin	PCR	quarterly	0/01	0/02	N/A	0/02
<i>Corynebacterium kutscheri</i>	Oropharynx	Culture	quarterly	0/08	0/07	0/07	0/10
<i>Filobacterium rodentium</i> (CAR bacillus)	Serum	MFI	quarterly	0/06	0/05	0/06	0/08
<i>Mycoplasma pulmonis</i>	Serum	MFI	quarterly	0/06	0/05	0/06	0/08
<i>Salmonella</i> spp.	Intestine or feces	Culture	quarterly	0/08	0/07	0/07	0/10
<i>Streptobacillus moniliformis</i>	Oropharynx	Culture	quarterly	0/08	0/07	0/07	0/10

[\\*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 '24	May '24	Feb '24	Oct '23
<b>PARASITES &amp; PROTOZOA</b>							
<i>Encephalitozoon cuniculi</i>	Serum	MFI	quarterly	0/06	0/05	0/06	0/08
Ectoparasites (fleas, lice, mites)	Fur	Visual	quarterly	0/08	0/07	0/07	0/10
Endoparasites (tapeworms, pinworms§, and other helminths)	Intestine or cecum	Visual	quarterly	0/08	0/07	0/07	0/10
Follicle mites	Subcutis	Visual	quarterly	0/08	0/07	0/07	0/10

### 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	Aug '24	May '24	Feb '24	Oct '23
<i>Helicobacter</i> spp.	Intestine or feces	PCR	quarterly	0/08	0/07	0/07	0/10
<i>Klebsiella pneumoniae</i>	Oropharynx, intestine, or feces	Culture	quarterly	0/08	0/07	0/07	0/10
<i>Klebsiella oxytoca</i>	Oropharynx, intestine, or feces	Culture	quarterly	0/08	0/07	<b>2/07</b>	0/10
Mouse norovirus (MNV)	Serum	MFI	quarterly	0/06	0/05	0/06	0/08
Protozoa (e.g., Giardia, Spironucleus, etc.)	Intestine	Microscopy	quarterly	0/08	0/07	0/07	0/10
<i>Pasteurella multocida</i>	Oropharynx	Culture	quarterly	0/08	0/07	0/07	0/10
<i>Rodentibacter pneumotropicus</i> / <i>Rodentibacter heyltii</i>	Oropharynx	Culture	quarterly	0/08	0/07	0/07	0/10
<i>Pneumocystis murina</i> †	Lung	PCR	quarterly	0/01	0/02	0/01	0/02
<i>Proteus mirabilis</i>	Oropharynx, intestine, or feces	Culture	quarterly	0/08	0/07	0/07	0/10
<i>Pseudomonas aeruginosa</i>	Oropharynx, intestine, or feces	Culture	quarterly	0/08	0/07	0/07	0/10
<i>Staphylococcus aureus</i>	Oropharynx	Culture	quarterly	0/08	0/07	0/07	0/10
<i>Streptococcus pneumoniae</i>	Oropharynx	Culture	quarterly	0/08	0/07	0/07	0/10
Beta-hemolytic <i>Streptococcus</i> spp. (non-group D)	Oropharynx	Culture	quarterly	0/08	0/07	0/07	0/10
Trichomonads	Intestine	Microscopy	quarterly	0/08	0/07	0/07	0/10

†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

Rosalinda A. Doty DVM, PhD, DACVP  
Director, Diagnostic and Pathology Services

B5

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