



Research Animal Facility (RAF)

Health Report

Area: D1

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	May '24	Feb '24	Nov '23	Aug '23
VIRUSES							
Ectromelia virus	Serum	MFI	quarterly	0/10	0/10	0/13	0/13
GDVII (Theiler's) virus	Serum	MFI	quarterly	0/10	0/10	0/13	0/13
Hantaan virus	Serum	MFI	quarterly	0/10	0/10	0/13	0/13
K virus	Serum	ELISA	annually	-	-	-	0/13
LDH elevating virus (LDEV)	Serum	PCR	annually	0/10	0/10	-	-
Lymphocytic choriomeningitis (LCMV)	Serum	MFI	quarterly	0/10	0/10	0/13	0/13
Mouse adenovirus (MAV)	Serum	MFI	quarterly	0/10	0/10	0/13	0/13
Mouse cytomegalovirus (MCMV)	Serum	MFI	quarterly	0/10	0/10	0/13	0/13
Murine chapparrivirus (MuCPV)	Cecum or feces	PCR	quarterly	0/10	0/10	0/13	0/13
Mouse hepatitis virus (MHV)	Serum	MFI	quarterly	0/10	0/10	0/13	0/13
Mouse minute virus (MMV)	Serum	MFI	quarterly	0/10	0/10	0/13	0/13
Mouse parvovirus (MPV)	Serum	MFI	quarterly	0/10	0/10	0/13	0/13
Mouse parvovirus (MPV)†	Lymph node	PCR	quarterly	N/A	N/A	N/A	N/A
Mouse thymic virus (MTV)	Serum	IFA	biannually	-	-	0/13	-
Pneumonia virus of mice (PVM)	Serum	MFI	quarterly	0/10	0/10	0/13	0/13
Polyoma virus	Serum	ELISA	annually	-	-	-	0/13
Reovirus 3 (REO 3)	Serum	MFI	quarterly	0/10	0/10	0/13	0/13
Rotavirus (EDIM)	Serum	MFI	quarterly	0/10	0/09	0/13	0/13
Sendai virus	Serum	MFI	quarterly	0/10	0/10	0/13	0/13
BACTERIA & MYCOPLASMA							
<i>Bordetella</i> spp	Oropharynx	Culture	quarterly	0/10	0/10	0/13	0/13
<i>Citrobacter rodentium</i>	Intestine or feces	Culture	quarterly	0/10	0/10	0/13	0/13
<i>Clostridium piliforme</i>	Serum	ELISA	biannually	0/10	0/10	-	0/13
<i>Corynebacterium bovis</i> †	Skin	PCR	quarterly	N/A	N/A	N/A	N/A
<i>Corynebacterium kutscheri</i>	Oropharynx	Culture	quarterly	0/10	0/10	0/13	0/13
<i>Filobacterium rodentium</i> (CAR bacillus)	Serum	MFI	quarterly	0/10	0/10	0/13	0/13
<i>Mycoplasma pulmonis</i>	Serum	MFI	quarterly	0/10	0/10	0/13	0/13
<i>Salmonella</i> spp.	Intestine or feces	Culture	quarterly	0/10	0/10	0/13	0/13
<i>Streptobacillus moniliformis</i>	Oropharynx	Culture	quarterly	0/10	0/10	0/13	0/13

[*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	May '24	Feb '24	Nov '23	Aug '23
PARASITES & PROTOZOA							
<i>Encephalitozoon cuniculi</i>	Serum	MFI	quarterly	0/10	0/10	0/13	0/13
Ectoparasites (fleas, lice, mites)	Fur	Visual	quarterly	0/10	0/10	0/13	0/13
Endoparasites (tapeworms, pinworms§, and other helminths)	Intestine or cecum	Visual	quarterly	0/10	0/10	0/13	0/13
Follicle mites	Subcutis	Visual	quarterly	0/10	0/10	0/13	0/13

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	May '24	Feb '24	Nov '23	Aug '23
<i>Helicobacter</i> spp.	Intestine or feces	PCR	quarterly	0/10	0/10	0/13	0/13
<i>Klebsiella pneumoniae</i>	Oropharynx, intestine, or feces	Culture	quarterly	0/10	0/10	0/13	0/13
<i>Klebsiella oxytoca</i>	Oropharynx, intestine, or feces	Culture	quarterly	0/10	0/10	0/13	0/13
Mouse norovirus (MNV)	Serum	MFI	quarterly	0/10	0/10	0/13	0/13
Protozoa (e.g., Giardia, Spironucleus, etc.)	Intestine	Microscopy	quarterly	0/10	0/10	0/13	0/13
<i>Pasteurella multocida</i>	Oropharynx	Culture	quarterly	0/10	0/10	0/13	0/13
<i>Rodentibacter pneumotropicus</i> / <i>Rodentibacter heyltii</i>	Oropharynx	Culture	quarterly	0/10	0/10	0/13	0/13
<i>Pneumocystis murina</i> †	Lung	PCR	quarterly	N/A	N/A	N/A	N/A
<i>Proteus mirabilis</i>	Oropharynx, intestine, or feces	Culture	quarterly	0/10	0/10	0/13	0/13
<i>Pseudomonas aeruginosa</i>	Oropharynx, intestine, or feces	Culture	quarterly	0/10	0/10	0/13	0/13
<i>Staphylococcus aureus</i>	Oropharynx	Culture	quarterly	0/10	0/10	0/13	0/13
<i>Streptococcus pneumoniae</i>	Oropharynx	Culture	quarterly	0/10	0/10	0/13	0/13
Beta-hemolytic <i>Streptococcus</i> spp. (non-group D)	Oropharynx	Culture	quarterly	0/10	0/10	0/13	0/13
Trichomonads	Intestine	Microscopy	quarterly	0/10	0/10	0/13	0/13

†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

D1

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