

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	Mar '20	Dec '19	Sep '19	Jun '19
<b>VIRUSES</b>							
Ectromelia virus	Serum	MFI	quarterly	0/13	0/10	0/12	0/14
GDVII (Theiler's) virus	Serum	MFI	quarterly	0/13	0/10	0/12	0/14
Hantaan virus	Serum	MFI	quarterly	0/13	0/10	0/12	0/14
K virus	Serum	ELISA	annually	-	-	0/12	-
LDH elevating virus (LDEV)	Serum	Enzyme	annually	0/10	-	-	-
Lymphocytic choriomeningitis (LCMV)	Serum	MFI	quarterly	0/13	0/10	0/12	0/14
Mouse adenovirus (MAV)	Serum	MFI	quarterly	0/13	0/10	0/12	0/14
Mouse cytomegalovirus (MCMV)	Serum	MFI	quarterly	0/13	0/10	0/12	0/14
Mouse hepatitis virus (MHV)	Serum	MFI	quarterly	0/13	0/10	0/12	0/14
Mouse minute virus (MMV)	Serum	MFI	quarterly	0/13	0/10	0/12	0/14
Mouse parvovirus (MPV)	Serum	MFI	quarterly	0/13	0/10	0/12	0/14
Mouse parvovirus (MPV)†	Lymph node	PCR	quarterly	-	-	-	-
Mouse thymic virus (MTV)	Serum	IFA	biannually	-	0/10	-	0/14
Pneumonia virus of mice (PVM)	Serum	MFI	quarterly	0/13	0/10	0/12	0/14
Polyoma virus	Serum	ELISA	annually	-	-	0/12	-
Reovirus 3 (REO 3)	Serum	MFI	quarterly	0/13	0/10	0/12	0/14
Rotavirus (EDIM)	Serum	MFI	quarterly	0/13	0/10	0/12	0/14
Sendai virus	Serum	MFI	quarterly	0/13	0/10	0/12	0/14
<b>BACTERIA &amp; MYCOPLASMA</b>							
<i>Bordetella</i> spp.	Oropharynx	Culture	quarterly	0/13	0/11	0/12	0/15
CAR bacillus	Serum	MFI	quarterly	0/13	0/10	0/12	0/14
<i>Citrobacter rodentium</i>	Intestine or feces	Culture	quarterly	0/13	0/11	0/12	0/15
<i>Clostridium piliforme</i>	Serum	ELISA	biannually	0/13	-	0/12	-
<i>Corynebacterium bovis</i>	Oropharynx/skin	Culture	quarterly	0/13	0/11	0/12	0/15
<i>Corynebacterium kutscheri</i>	Oropharynx	Culture	quarterly	0/13	0/11	0/12	0/15
<i>Mycoplasma pulmonis</i>	Serum	MFI	quarterly	0/13	0/10	0/12	0/14
<i>Salmonella</i> spp.	Intestine or feces	Culture	quarterly	0/13	0/11	0/12	0/15
<i>Streptobacillus moniliformis</i>	Oropharynx	Culture	quarterly	0/13	0/11	0/12	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	Mar '20	Dec '19	Sep '19	Jun '19
<b>PARASITES &amp; PROTOZOA</b>							
<i>Encephalitozoon cuniculi</i>	Serum	MFI	quarterly	0/13	0/10	0/12	0/14
Ectoparasites (fleas, lice, mites)	Fur	Visual	quarterly	0/13	0/11	0/12	0/15
Endoparasites (tapeworms, pinworms, and other helminths)	Intestine or cecum	Visual	quarterly	0/13	0/11	0/12	0/15
Follicle mites	Subcutis	Visual	quarterly	0/13	0/11	0/12	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	Mar '20	Dec '19	Sep '19	Jun '19
<i>Helicobacter</i> spp.	Intestine or feces	PCR	quarterly	0/13	-	-	-
<i>Klebsiella pneumoniae</i>	Oropharynx, intestine, or feces	Culture	quarterly	0/13	0/11	0/12	0/15
<i>Klebsiella</i> spp. other than <i>K. pneumoniae</i>	Oropharynx, intestine, or feces	Culture	quarterly	0/13	0/11	0/12	<b>1/15</b>
Mouse norovirus (MNV)	Serum	MFI	quarterly	0/13	0/10	0/12	0/14
Nonpathogenic protozoa (e.g., Trichomonads)	Intestine	Microscopy	quarterly	0/13	0/11	0/12	0/15
Opportunistic protozoa (e.g., Giardia, Spironucleus)	Intestine	Microscopy	quarterly	0/13	0/11	0/12	0/15
<i>Pasteurella pneumotropica</i>	Oropharynx	Culture	quarterly	0/13	0/11	<b>1/12</b>	0/15
<i>Pneumocystis murina</i> †	Lung	PCR	quarterly	-	-	-	-
<i>Proteus</i> spp.	Oropharynx, intestine, or feces	Culture	quarterly	0/13	<b>4/11</b>	0/12	0/15
<i>Pseudomonas</i> spp.	Intestine or feces	Culture	quarterly	0/13	0/11	0/12	0/15
<i>Staphylococcus aureus</i>	Oropharynx	Culture	quarterly	0/13	0/11	0/12	0/15
<i>Streptococcus pneumoniae</i>	Oropharynx	Culture	6 weeks	0/13	0/11	0/12	0/15
Beta-hemolytic <i>Streptococcus</i> spp. (non-group D)	Oropharynx	Culture	6 weeks	0/13	0/11	0/12	0/15

Gross Pathology	Test Method	Frequency	Mar '20	Dec '19	Sep '19	Jun '19
Necropsy findings	Exam, histopath	quarterly	0/13	0/11	0/12	0/15

All tests were performed by The Jackson Laboratory

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