

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 | 0/04 | 0/03 | 0/04 | 0/03 |
| GDVII (Theiler's) virus | Serum | MFI | quarterly | 0/04 | 0/03 | 0/04 | 0/03 |
| Hantaan virus | Serum | MFI | quarterly | 0/04 | 0/03 | 0/04 | 0/03 |
| K virus | Serum | ELISA | annually | - | - | 0/04 | - |
| LDH elevating virus (LDEV) | Serum | PCR | annually | 0/04 | - | - | - |
| Lymphocytic choriomeningitis (LCMV) | Serum | MFI | quarterly | 0/04 | 0/03 | 0/04 | 0/03 |
| Mouse adenovirus (MAV) | Serum | MFI | quarterly | 0/04 | 0/03 | 0/04 | 0/03 |
| Mouse cytomegalovirus (MCMV) | Serum | MFI | quarterly | 0/04 | 0/03 | 0/04 | 0/03 |
| Murine chapparrivirus (MuCPV) | Cecum or feces | PCR | quarterly | 0/04 | 0/03 | 0/04 | 0/03 |
| Mouse hepatitis virus (MHV) | Serum | MFI | quarterly | 0/04 | 0/03 | 0/04 | 0/03 |
| Mouse minute virus (MMV) | Serum | MFI | quarterly | 0/04 | 0/03 | 0/04 | 0/03 |
| Mouse parvovirus (MPV) | Serum | MFI | quarterly | 0/04 | 0/03 | 0/04 | 0/03 |
| Mouse parvovirus (MPV)† | Lymph node | PCR | quarterly | N/A | N/A | N/A | N/A |
| Mouse thymic virus (MTV) | Serum | IFA | biannually | - | 0/03 | - | 0/03 |
| Pneumonia virus of mice (PVM) | Serum | MFI | quarterly | 0/04 | 0/03 | 0/04 | 0/03 |
| Polyoma virus | Serum | ELISA | annually | - | - | 0/04 | - |
| Reovirus 3 (REO 3) | Serum | MFI | quarterly | 0/04 | 0/03 | 0/04 | 0/03 |
| Rotavirus (EDIM) | Serum | MFI | quarterly | 0/04 | 0/03 | 0/04 | 0/03 |
| Sendai virus | Serum | MFI | quarterly | 0/04 | 0/03 | 0/04 | 0/03 |
| BACTERIA & MYCOPLASMA | | | | | | | |
| <i>Bordetella</i> spp | Oropharynx | Culture | quarterly | 0/04 | 0/03 | 0/04 | 0/03 |
| <i>Citrobacter rodentium</i> | Intestine or feces | Culture | quarterly | 0/04 | 0/03 | 0/04 | 0/03 |
| <i>Clostridium piliforme</i> | Serum | ELISA | biannually | 0/04 | - | 0/04 | - |
| <i>Corynebacterium bovis</i> † | Skin | PCR | quarterly | N/A | N/A | N/A | N/A |
| <i>Corynebacterium kutscheri</i> | Oropharynx | Culture | quarterly | 0/04 | 0/03 | 0/04 | 0/03 |
| <i>Filobacterium rodentium</i> (CAR bacillus) | Serum | MFI | quarterly | 0/04 | 0/03 | 0/04 | 0/03 |
| <i>Mycoplasma pulmonis</i> | Serum | MFI | quarterly | 0/04 | 0/03 | 0/04 | 0/03 |
| <i>Salmonella</i> spp. | Intestine or feces | Culture | quarterly | 0/04 | 0/03 | 0/04 | 0/03 |
| <i>Streptobacillus moniliformis</i> | Oropharynx | Culture | quarterly | 0/04 | 0/03 | 0/04 | 0/03 |

[*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 | 0/04 | 0/03 | 0/04 | 0/03 |
| Ectoparasites (fleas, lice, mites) | Fur | Visual | quarterly | 0/04 | 0/03 | 0/04 | 0/03 |
| Endoparasites (tapeworms, pinworms§, and other helminths) | Intestine or cecum | Visual | quarterly | 0/04 | 0/03 | 0/04 | 0/03 |
| Follicle mites | Subcutis | Visual | quarterly | 0/04 | 0/03 | 0/04 | 0/03 |

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 | 0/04 | 0/03 | 0/04 | 0/03 |
| <i>Klebsiella pneumoniae</i> | Oropharynx, intestine, or feces | Culture | quarterly | 0/04 | 0/03 | 0/04 | 0/03 |
| <i>Klebsiella oxytoca</i> | Oropharynx, intestine, or feces | Culture | quarterly | 0/04 | 0/03 | 0/04 | 0/03 |
| Mouse norovirus (MNV) | Serum | MFI | quarterly | 0/04 | 0/03 | 0/04 | 0/03 |
| Protozoa (e.g., Giardia, Spironucleus, etc.) | Intestine | Microscopy | quarterly | 0/04 | 0/03 | 0/04 | 0/03 |
| <i>Pasteurella multocida</i> | Oropharynx | Culture | quarterly | 0/04 | 0/03 | 0/04 | 0/03 |
| <i>Rodentibacter pneumotropicus</i> / <i>Rodentibacter heyltii</i> | Oropharynx | Culture | quarterly | 0/04 | 0/03 | 0/04 | 0/03 |
| <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 | 0/04 | 0/03 | 0/04 | 0/03 |
| <i>Pseudomonas aeruginosa</i> | Oropharynx, intestine, or feces | Culture | quarterly | 0/04 | 0/03 | 0/04 | 0/03 |
| <i>Staphylococcus aureus</i> | Oropharynx | Culture | quarterly | 0/04 | 0/03 | 0/04 | 0/03 |
| <i>Streptococcus pneumoniae</i> | Oropharynx | Culture | quarterly | 0/04 | 0/03 | 0/04 | 0/03 |
| Beta-hemolytic <i>Streptococcus</i> spp. (non-group D) | Oropharynx | Culture | quarterly | 0/04 | 0/03 | 0/04 | 0/03 |
| Trichomonads | Intestine | Microscopy | quarterly | 0/04 | 0/03 | 0/04 | 0/03 |

†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

MGL275 (M275)

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