

Research Animal Facility (RAF)

Health Report Area: MGL275 (M275)

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.*

| Organism | Sample Tested | Test Method | Frequency | Test Results: #positive/#tested | | | | |
|--|--------------------|-------------|------------|---------------------------------|---------|---------|---------|--|
| | | | | Nov '24 | Aug '24 | May '24 | Feb '24 | |
| VIRUSES | | | | | | | | |
| Ectromelia virus | Serum | MFI | quarterly | 0/03 | 0/03 | 0/04 | 0/03 | |
| GDVII (Theiler's) virus | Serum | MFI | quarterly | 0/03 | 0/03 | 0/04 | 0/03 | |
| Hantaan virus | Serum | MFI | quarterly | 0/03 | 0/03 | 0/04 | 0/03 | |
| K virus | Serum | ELISA | annually | 0/03 | - | - | - | |
| LDH elevating virus (LDEV) | Serum | PCR | annually | - | - | 0/04 | - | |
| Lymphocytic choriomeningitis (LCMV) | Serum | MFI | quarterly | 0/03 | 0/03 | 0/04 | 0/03 | |
| Mouse adenovirus (MAV) | Serum | MFI | quarterly | 0/03 | 0/03 | 0/04 | 0/03 | |
| Mouse cytomegalovirus (MCMV) | Serum | MFI | quarterly | 0/03 | 0/03 | 0/04 | 0/03 | |
| Murine chapparvovirus (MuCPV) | Cecum or feces | PCR | quarterly | 0/03 | 0/03 | 0/04 | 0/03 | |
| Mouse hepatitis virus (MHV) | Serum | MFI | quarterly | 0/03 | 0/03 | 0/04 | 0/03 | |
| Mouse minute virus (MMV) | Serum | MFI | quarterly | 0/03 | 0/03 | 0/04 | 0/03 | |
| Mouse parvovirus (MPV) | Serum | MFI | quarterly | 0/03 | 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 | 0/03 | 0/03 | 0/04 | 0/03 | |
| Polyoma virus | Serum | ELISA | annually | 0/03 | - | - | - | |
| Reovirus 3 (REO 3) | Serum | MFI | quarterly | 0/03 | 0/03 | 0/04 | 0/03 | |
| Rotavirus (EDIM) | Serum | MFI | quarterly | 0/03 | 0/03 | 0/04 | 0/03 | |
| Sendai virus | Serum | MFI | quarterly | 0/03 | 0/03 | 0/04 | 0/03 | |
| BACTERIA & MYCOPLASMA | | | | | | | | |
| Bordetella spp | Oropharynx | Culture | quarterly | 0/03 | 0/03 | 0/04 | 0/03 | |
| Citrobacter rodentium | Intestine or feces | Culture | quarterly | 0/03 | 0/03 | 0/04 | 0/03 | |
| Clostridium piliforme | Serum | ELISA | biannually | 0/03 | - | 0/04 | - | |
| Corynebacterium bovis † | Skin | PCR | quarterly | N/A | N/A | N/A | N/A | |
| Corynebacterium kutscheri | Oropharynx | Culture | quarterly | 0/03 | 0/03 | 0/04 | 0/03 | |
| Filobacterium rodentium (CAR bacillus) | Serum | MFI | quarterly | 0/03 | 0/03 | 0/04 | 0/03 | |
| Mycoplasma pulmonis | Serum | MFI | quarterly | 0/03 | 0/03 | 0/04 | 0/03 | |
| Salmonella spp. | Intestine or feces | Culture | quarterly | 0/03 | 0/03 | 0/04 | 0/03 | |
| Streptobacillus moniliformis | Oropharynx | Culture | quarterly | 0/03 | 0/03 | 0/04 | 0/03 | |

^{*}Additional details regarding our health monitoring program and shipping policy.

 $^{{}^{\}dagger}{}$ The indicated tests are only performed in rooms that house immunodeficient mice.

Test Results: #positive/#tested

| Organism | Sample Tested | Test Method | Frequency | Nov '24 | Aug '24 | May '24 | Feb '24 |
|---|--------------------|-------------|-----------|---------|---------|---------|---------|
| PARASITES & PROTOZOA | | | | | | | |
| Encephalitozoon cuniculi | Serum | MFI | quarterly | 0/03 | 0/03 | 0/04 | 0/03 |
| Ectoparasites (fleas, lice, mites) | Fur | Visual | quarterly | 0/03 | 0/03 | 0/04 | 0/03 |
| Endoparasites (tapeworms, pinworms§, and other helminths) | Intestine or cecum | Visual | quarterly | 0/03 | 0/03 | 0/04 | 0/03 |
| Follicle mites | Subcutis | Visual | quarterly | 0/03 | 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 | Nov '24 | Aug '24 | May '24 | Feb '24 |
|--|------------------------------------|-------------|-----------|---------|---------|---------|---------|
| Helicobacter spp. | Intestine or feces | PCR | quarterly | 0/03 | 0/03 | 0/04 | 0/03 |
| Klebsiella pneumoniae | Oropharynx, intestine, or feces | Culture | quarterly | 0/03 | 0/03 | 0/04 | 0/03 |
| Klebsiella oxytoca | Oropharynx, intestine, or feces | Culture | quarterly | 0/03 | 0/03 | 0/04 | 0/03 |
| Mouse norovirus (MNV) | Serum | MFI | quarterly | 0/03 | 0/03 | 0/04 | 0/03 |
| Protozoa (e.g., Giardia, Spironucleus, etc.) | Intestine | Microscopy | quarterly | 0/03 | 0/03 | 0/04 | 0/03 |
| Pasteurella multocida | Oropharynx | Culture | quarterly | 0/03 | 0/03 | 0/04 | 0/03 |
| Rodentibacter pneumotropicus / Rodentibacter heylii | Oropharynx | Culture | quarterly | 0/03 | 0/03 | 0/04 | 0/03 |
| Pneumocystis murina † | Lung | PCR | quarterly | N/A | N/A | N/A | N/A |
| Proteus mirabilis | Oropharynx, intestine, or feces | Culture | quarterly | 0/03 | 0/03 | 0/04 | 0/03 |
| Pseudomonas aeruginosa | Oropharynx, intestine, or feces | Culture | quarterly | 0/03 | 0/03 | 0/04 | 0/03 |
| Staphylococcus aureus | Oropharynx | Culture | quarterly | 0/03 | 0/03 | 0/04 | 0/03 |
| Streptococcus pneumoniae | Oropharynx | Culture | quarterly | 0/03 | 0/03 | 0/04 | 0/03 |
| Beta-hemolytic <i>Streptococcus</i> spp. (non-group D) | Oropharynx | Culture | quarterly | 0/03 | 0/03 | 0/04 | 0/03 |
| Trichomonads | Intestine | Microscopy | quarterly | 0/03 | 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

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