



JAX[®] Mice, Clinical & Research Services (JMCRS)

Production Health Report

Area: RB11

HEALTH STATUS

- PATHOGEN & OPPORTUNIST FREE
- PATHOGEN FREE

BARRIER LEVEL

- MAXIMUM BARRIER
- HIGH BARRIER
- STANDARD BARRIER

Please consult our website for descriptions of our health statuses and barrier levels.

PATHOGENS AND OTHER ORGANISMS- EXCLUDED FROM ALL BARRIERS (SHIPPING STOPPED)

If one of these organisms is found in any JMCRS area, all shipments are suspended and customers are notified.*

| Organism | Sample Tested | Test Method | Frequency | Test Results: #positive/#tested | | | | Previous 12 months |
|---|--------------------|-------------|-------------|---------------------------------|-----------|------------|-----------|--------------------|
| | | | | Aug 12 '24 | Jul 1 '24 | May 20 '24 | Apr 8 '24 | |
| VIRUSES | | | | | | | | |
| Ectromelia virus | Serum | MFI | 6 weeks | 0/16 | 0/17 | 0/17 | 0/16 | 0/137 |
| GDVII (Theiler's) virus | Serum | MFI | 6 weeks | 0/16 | 0/17 | 0/17 | 0/16 | 0/137 |
| Hantaan virus | Serum | MFI | 6 weeks | 0/16 | 0/17 | 0/17 | 0/16 | 0/137 |
| K virus | Serum | ELISA | annually | - | - | - | - | 0/32 |
| LDH elevating virus (LDEV) | Serum | PCR | annually | - | - | - | 0/10 | 0/10 |
| Lymphocytic choriomeningitis (LCMV) | Serum | MFI | 6 weeks | 0/16 | 0/17 | 0/17 | 0/16 | 0/137 |
| Mouse adenovirus (MAV) | Serum | MFI | 6 weeks | 0/16 | 0/17 | 0/17 | 0/16 | 0/137 |
| Mouse cytomegalovirus (MCMV) | Serum | MFI | 6 weeks | 0/16 | 0/17 | 0/17 | 0/16 | 0/137 |
| Murine chapparovirus (MuCPV) | Cecum or feces | PCR | 6 weeks | 0/11 | 0/10 | 0/10 | 0/11 | 0/65 |
| Mouse hepatitis virus (MHV) | Serum | MFI | 6 weeks | 0/16 | 0/17 | 0/17 | 0/16 | 0/137 |
| Mouse minute virus (MMV) | Serum | MFI | 6 weeks | 0/16 | 0/17 | 0/17 | 0/16 | 0/137 |
| Mouse norovirus (MNV) | Serum | MFI | 6 weeks | 0/16 | 0/17 | 0/17 | 0/16 | 0/137 |
| Mouse parvovirus (MPV) | Serum | MFI | 6 weeks | 0/16 | 0/17 | 0/17 | 0/16 | 0/137 |
| Mouse parvovirus (MPV) [†] | Lymph node | PCR | 6 weeks | 0/11 | 0/10 | 0/10 | 0/11 | 0/92 |
| Mouse thymic virus (MTV) | Serum | IFA | quarterly | 0/16 | 0/17 | - | - | 0/72 |
| Pneumonia virus of mice (PVM) | Serum | MFI | 6 weeks | 0/16 | 0/17 | 0/17 | 0/16 | 0/137 |
| Polyoma virus | Serum | ELISA | annually | - | - | - | - | 0/32 |
| Reovirus 3 (REO 3) | Serum | MFI | 6 weeks | 0/16 | 0/17 | 0/17 | 0/16 | 0/137 |
| Rotavirus (EDIM) | Serum | MFI | 6 weeks | 0/16 | 0/17 | 0/17 | 0/16 | 0/137 |
| Sendai virus | Serum | MFI | 6 weeks | 0/16 | 0/17 | 0/17 | 0/16 | 0/137 |
| BACTERIA & MYCOPLASMA | | | | | | | | |
| <i>Bordetella</i> spp. | Oropharynx | Culture | 6 weeks | 0/27 | 0/27 | 0/27 | 0/27 | 0/228 |
| <i>Citrobacter rodentium</i> | Intestine or feces | Culture | 6 weeks | 0/164 | 0/166 | 0/166 | 0/170 | 0/1261 |
| <i>Clostridium piliforme</i> | Serum | ELISA | quarterly | 0/16 | 0/17 | - | - | 0/72 |
| <i>Corynebacterium bovis</i> †¶ | Skin | PCR | 6 weeks | 0/01 | 0/01 | 0/01 | 0/01 | 0/9 |
| <i>Corynebacterium kutscheri</i> | Oropharynx | Culture | 6 weeks | 0/27 | 0/27 | 0/27 | 0/27 | 0/228 |
| <i>Filobacterium rodentium</i> (CAR bacillus) | Serum | MFI | 6 weeks | 0/16 | 0/17 | 0/17 | 0/16 | 0/137 |
| <i>Mycoplasma pulmonis</i> | Serum | MFI | 6 weeks | 0/16 | 0/17 | 0/17 | 0/16 | 0/137 |
| <i>Mycoplasma</i> spp. | Lung | PCR | semi-annual | 0/06 | - | - | - | 0/12 |
| <i>Salmonella</i> spp. | Intestine or feces | Culture | 6 weeks | 0/164 | 0/166 | 0/166 | 0/170 | 0/1261 |
| <i>Streptobacillus moniliformis</i> | Oropharynx | Culture | 6 weeks | 0/27 | 0/27 | 0/27 | 0/27 | 0/228 |

[*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 12 '24 | Jul 1 '24 | May 20 '24 | Apr 8 '24 | Previous 12 months |
|---|--------------------|-------------|-------------|------------|-----------|------------|-----------|--------------------|
| PARASITES | | | | | | | | |
| <i>Encephalitozoon cuniculi</i> | Serum | MFI | 6 weeks | 0/16 | 0/17 | 0/17 | 0/16 | 0/137 |
| Ectoparasites (fleas, lice, mites) | Fur | Visual | 6 weeks | 0/06 | 0/06 | 0/06 | 0/06 | 0/54 |
| Endoparasites (tapeworms, pinworms§, and other helminths) | Intestine or cecum | Visual | 6 weeks | 0/06 | 0/06 | 0/06 | 0/06 | 0/54 |
| Follicle mites | Subcutis | Visual | 6 weeks | 0/27 | 0/27 | 0/27 | 0/27 | 0/228 |
| Protozoa (e.g., Giardia, Spironucleus, etc.) | Intestine | Microscopy | 6 weeks | 0/06 | 0/06 | 0/06 | 0/06 | 0/54 |
| <i>Toxoplasma gondii</i> ‡ | Serum | ELISA | semi-annual | 0/06 | - | - | - | 0/12 |

OPPORTUNISTIC ORGANISMS MONITORED (SHIPPING NOT STOPPED)

All of these organisms are excluded from JMCRS **maximum and high barriers**, and most are excluded from **standard barrier** areas. When a confirmed finding of an excluded organism is made, 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 12 '24 | Jul 1 '24 | May 20 '24 | Apr 8 '24 | Previous 12 months |
|--|---------------------------------|-------------|-------------|------------|-----------|------------|-----------|--------------------|
| Dermatophytes | Skin swabs | Culture | semi-annual | 0/06 | - | - | - | 0/12 |
| <i>Helicobacter</i> spp. | Intestine or feces | PCR | 6 weeks | 0/11 | 0/10 | 0/10 | 0/11 | 0/65 |
| <i>Klebsiella pneumoniae</i> | Oropharynx, intestine, or feces | Culture | 6 weeks | 0/164 | 0/166 | 0/166 | 0/170 | 0/1261 |
| <i>Klebsiella oxytoca</i> | Oropharynx, intestine, or feces | Culture | 6 weeks | 0/164 | 0/166 | 0/166 | 0/170 | 0/1261 |
| <i>Pasteurella multocida</i> | Oropharynx | Culture | 6 weeks | 0/27 | 0/27 | 0/27 | 0/27 | 0/228 |
| <i>Rodentibacter pneumotropicus</i> / <i>Rodentibacter heyltii</i> | Oropharynx | Culture | 6 weeks | 0/27 | 0/27 | 0/27 | 0/27 | 0/228 |
| <i>Pneumocystis murina</i> † | Lung | PCR | 6 weeks | 0/11 | 0/10 | 0/10 | 0/11 | 0/92 |
| <i>Proteus mirabilis</i> | Oropharynx, intestine, or feces | Culture | 6 weeks | 0/164 | 0/166 | 0/166 | 0/170 | 0/1261 |
| <i>Pseudomonas aeruginosa</i> | Oropharynx, intestine, or feces | Culture | 6 weeks | 0/164 | 0/166 | 0/166 | 0/170 | 0/1261 |
| <i>Staphylococcus aureus</i> | Oropharynx | Culture | 6 weeks | 0/27 | 0/27 | 0/27 | 0/27 | 0/228 |
| <i>Streptococcus pneumoniae</i> | Oropharynx | Culture | 6 weeks | 0/27 | 0/27 | 0/27 | 0/27 | 0/228 |
| Beta-hemolytic <i>Streptococcus</i> spp. (non-group D) | Oropharynx | Culture | 6 weeks | 0/27 | 0/27 | 0/27 | 0/27 | 0/228 |
| Trichomonads | Intestine | Microscopy | 6 weeks | 0/06 | 0/06 | 0/06 | 0/06 | 0/54 |
| <i>Yersinia enterocolitica</i> | Oropharynx, intestine, or feces | Culture | 6 weeks | 0/164 | 0/166 | 0/166 | 0/170 | 0/1261 |
| <i>Yersinia pseudotuberculosis</i> | Oropharynx, intestine, or feces | Culture | 6 weeks | 0/164 | 0/166 | 0/166 | 0/170 | 0/1261 |

†The indicated tests are only performed in rooms that house immunodeficient mice.

¶ One sample represents testing of 60 pooled animals

§ Testing for this organisms is also performed by PCR

‡This testing is performed by an outside vendor

All tests were performed by The Jackson Laboratory

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

RB11

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