



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

Breeding Services Health Report

Area: RB02

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.*

Test Results: #positive/#tested

| Organism | Sample Tested | Test Method | Frequency | Aug 12 '19 | Jul 1 '19 | May 20 '19 | Apr 8 '19 | Previous 12 months |
|-------------------------------------|--------------------|-------------|-----------|------------|-----------|------------|-----------|--------------------|
| VIRUSES | | | | | | | | |
| Ectromelia virus | Serum | MFI | 6 weeks | 0/18 | 0/18 | 0/18 | 0/18 | 0/162 |
| GDVII (Theiler's) virus | Serum | MFI | 6 weeks | 0/18 | 0/18 | 0/18 | 0/18 | 0/162 |
| Hantaan virus | Serum | MFI | 6 weeks | 0/18 | 0/18 | 0/18 | 0/18 | 0/162 |
| K virus | Serum | ELISA | annually | - | - | 0/18 | - | 0/18 |
| LDH elevating virus (LDEV) | Serum | Enzyme | annually | - | - | - | 0/10 | 0/10 |
| Lymphocytic choriomeningitis (LCMV) | Serum | MFI | 6 weeks | 0/18 | 0/18 | 0/18 | 0/18 | 0/162 |
| Mouse adenovirus (MAV) | Serum | MFI | 6 weeks | 0/18 | 0/18 | 0/18 | 0/18 | 0/162 |
| Mouse cytomegalovirus (MCMV) | Serum | MFI | 6 weeks | 0/18 | 0/18 | 0/18 | 0/18 | 0/162 |
| Mouse hepatitis virus (MHV) | Serum | MFI | 6 weeks | 0/18 | 0/18 | 0/18 | 0/18 | 0/162 |
| Mouse minute virus (MMV) | Serum | MFI | 6 weeks | 0/18 | 0/18 | 0/18 | 0/18 | 0/162 |
| Mouse norovirus (MNV) | Serum | MFI | 6 weeks | 0/18 | 0/18 | 0/18 | 0/18 | 0/162 |
| Mouse parvovirus (MPV) | Serum | MFI | 6 weeks | 0/18 | 0/18 | 0/18 | 0/18 | 0/162 |
| Mouse parvovirus (MPV) [†] | Lymph node | PCR | 6 weeks | 0/06 | 0/06 | 0/06 | 0/06 | 0/54 |
| Mouse thymic virus (MTV) | Serum | IFA | quarterly | - | 0/18 | 0/18 | - | 0/72 |
| Pneumonia virus of mice (PVM) | Serum | MFI | 6 weeks | 0/18 | 0/18 | 0/18 | 0/18 | 0/162 |
| Polyoma virus | Serum | ELISA | annually | - | - | 0/18 | - | 0/18 |
| Reovirus 3 (REO 3) | Serum | MFI | 6 weeks | 0/18 | 0/18 | 0/18 | 0/18 | 0/162 |
| Rotavirus (EDIM) | Serum | MFI | 6 weeks | 0/18 | 0/18 | 0/18 | 0/18 | 0/162 |
| Sendai virus | Serum | MFI | 6 weeks | 0/18 | 0/18 | 0/18 | 0/18 | 0/162 |
| BACTERIA & MYCOPLASMA | | | | | | | | |
| <i>Bordetella</i> spp. | Oropharynx | Culture | 6 weeks | 0/18 | 0/18 | 0/18 | 0/18 | 0/186 |
| CAR bacillus | Serum | MFI | 6 weeks | 0/18 | 0/18 | 0/18 | 0/18 | 0/162 |
| <i>Citrobacter rodentium</i> | Intestine or feces | Culture | 6 weeks | 0/95 | 0/100 | 0/116 | 0/121 | 0/1227 |
| <i>Clostridium piliforme</i> | Serum | ELISA | quarterly | - | 0/18 | 0/18 | - | 0/72 |
| <i>Corynebacterium bovis</i> | Oropharynx/skin | Culture | 6 weeks | 0/18 | 0/18 | 0/18 | 0/18 | 0/186 |
| <i>Corynebacterium kutscheri</i> | Oropharynx | Culture | 6 weeks | 0/18 | 0/18 | 0/18 | 0/18 | 0/186 |
| <i>Helicobacter</i> spp. | Intestine or feces | PCR | 6 weeks | 0/18 | 0/18 | 0/18 | 0/18 | 0/162 |
| <i>Mycoplasma pulmonis</i> | Serum | MFI | 6 weeks | 0/18 | 0/18 | 0/18 | 0/18 | 0/162 |
| <i>Pasteurella</i> spp. | Oropharynx | Culture | 6 weeks | 0/18 | 0/18 | 0/18 | 0/18 | 0/186 |
| <i>Salmonella</i> spp. | Intestine or feces | Culture | 6 weeks | 0/95 | 0/100 | 0/116 | 0/121 | 0/1227 |
| <i>Streptobacillus moniliformis</i> | Oropharynx | Culture | 6 weeks | 0/18 | 0/18 | 0/18 | 0/18 | 0/186 |

[*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 '19 | Jul 1 '19 | May 20 '19 | Apr 8 '19 | Previous 12 months |
|--|--------------------|-------------|-----------|------------|-----------|------------|-----------|--------------------|
| PARASITES & PROTOZOA | | | | | | | | |
| <i>Encephalitozoon cuniculi</i> | Serum | MFI | 6 weeks | 0/18 | 0/18 | 0/18 | 0/18 | 0/162 |
| Ectoparasites (fleas, lice, mites) | Fur | Visual | 6 weeks | 0/18 | 0/18 | 0/18 | 0/18 | 0/162 |
| Endoparasites (tapeworms, pinworms, and other helminths) | Intestine or cecum | Visual | 6 weeks | 0/18 | 0/18 | 0/18 | 0/18 | 0/162 |
| Follicle mites | Subcutis | Visual | 6 weeks | 0/18 | 0/18 | 0/18 | 0/18 | 0/198 |
| Opportunistic protozoa (e.g., <i>Giardia</i> , <i>Spironucleus</i>) | Intestine | Microscopy | 6 weeks | 0/18 | 0/18 | 0/18 | 0/18 | 0/162 |

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 '19 | Jul 1 '19 | May 20 '19 | Apr 8 '19 | Previous 12 months |
|--|---------------------------------|-------------|-----------|------------|-----------|------------|-----------|--------------------|
| <i>Klebsiella pneumoniae</i> | Oropharynx, intestine, or feces | Culture | 6 weeks | 0/95 | 0/100 | 0/116 | 0/121 | 0/1263 |
| <i>Klebsiella</i> spp. other than <i>K. pneumoniae</i> | Oropharynx, intestine, or feces | Culture | 6 weeks | 0/95 | 0/100 | 0/116 | 0/121 | 0/1263 |
| Nonpathogenic protozoa (e.g., <i>Trichomonads</i>) | Intestine | Microscopy | 6 weeks | 0/18 | 0/18 | 0/18 | 0/18 | 0/162 |
| <i>Pneumocystis murina</i> † | Lung | PCR | 6 weeks | 0/06 | 0/06 | 0/06 | 0/06 | 0/54 |
| <i>Proteus mirabilis</i> | Oropharynx, intestine, or feces | Culture | 6 weeks | 0/95 | 0/100 | 0/116 | 0/121 | 0/1263 |
| <i>Pseudomonas</i> spp. | Intestine or feces | Culture | 6 weeks | 0/95 | 0/100 | 0/116 | 0/121 | 0/1227 |
| <i>Staphylococcus aureus</i> | Oropharynx | Culture | 6 weeks | 0/18 | 0/18 | 0/18 | 0/18 | 0/186 |
| <i>Streptococcus pneumoniae</i> | Oropharynx | Culture | 6 weeks | 0/18 | 0/18 | 0/18 | 0/18 | 0/186 |
| Beta-hemolytic <i>Streptococcus</i> spp. (non-group D) | Oropharynx | Culture | 6 weeks | 0/18 | 0/18 | 0/18 | 0/18 | 0/186 |

| Gross Pathology | Test Method | Frequency | Aug 12 '19 | Jul 1 '19 | May 20 '19 | Apr 8 '19 | Previous 12 months |
|-------------------|-----------------|-----------|------------|-----------|------------|-----------|--------------------|
| Necropsy findings | Exam, histopath | 6 weeks | 0/18 | 0/18 | 0/18 | 0/18 | 0/162 |

All tests were performed by The Jackson Laboratory

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RB02

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