



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

Production Health Report

Area: EM12

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 |
|---|--------------------|-------------|-------------|---------------------------------|-----------|------------|-----------|--------|--------------------|
| | | | | May 20 '24 | Apr 8 '24 | Feb 26 '24 | Jan 1 '24 | | |
| VIRUSES | | | | | | | | | |
| Ectromelia virus | Serum | MFI | 6 weeks | 0/11 | 0/21 | 0/15 | 0/15 | 0/152 | |
| GDVII (Theiler's) virus | Serum | MFI | 6 weeks | 0/11 | 0/21 | 0/15 | 0/15 | 0/152 | |
| Hantaan virus | Serum | MFI | 6 weeks | 0/11 | 0/21 | 0/15 | 0/15 | 0/152 | |
| K virus | Serum | ELISA | annually | - | - | - | - | 0/17 | |
| LDH elevating virus (LDEV) | Serum | PCR | annually | - | 0/10 | - | - | 0/10 | |
| Lymphocytic choriomeningitis (LCMV) | Serum | MFI | 6 weeks | 0/11 | 0/21 | 0/15 | 0/15 | 0/152 | |
| Mouse adenovirus (MAV) | Serum | MFI | 6 weeks | 0/11 | 0/21 | 0/15 | 0/15 | 0/152 | |
| Mouse cytomegalovirus (MCMV) | Serum | MFI | 6 weeks | 0/11 | 0/21 | 0/15 | 0/15 | 0/152 | |
| Murine chapparravirus (MuCPV) | Cecum or feces | PCR | 6 weeks | 0/06 | 0/07 | 0/15 | 0/15 | 0/54 | |
| Mouse hepatitis virus (MHV) | Serum | MFI | 6 weeks | 0/11 | 0/21 | 0/15 | 0/15 | 0/152 | |
| Mouse minute virus (MMV) | Serum | MFI | 6 weeks | 0/11 | 0/21 | 0/15 | 0/15 | 0/150 | |
| Mouse norovirus (MNV) | Serum | MFI | 6 weeks | 0/11 | 0/21 | 0/15 | 0/15 | 0/152 | |
| Mouse parvovirus (MPV) | Serum | MFI | 6 weeks | 0/11 | 0/21 | 0/15 | 0/15 | 0/152 | |
| Mouse parvovirus (MPV)† | Lymph node | PCR | 6 weeks | N/A | 0/04 | 0/15 | 0/15 | 0/85 | |
| Mouse thymic virus (MTV) | Serum | IFA | quarterly | - | - | 0/15 | 0/15 | 0/68 | |
| Pneumonia virus of mice (PVM) | Serum | MFI | 6 weeks | 0/11 | 0/21 | 0/15 | 0/15 | 0/151 | |
| Polyoma virus | Serum | ELISA | annually | - | - | - | - | 0/17 | |
| Reovirus 3 (REO 3) | Serum | MFI | 6 weeks | 0/11 | 0/21 | 0/15 | 0/15 | 0/152 | |
| Rotavirus (EDIM) | Serum | MFI | 6 weeks | 0/11 | 0/21 | 0/15 | 0/15 | 0/151 | |
| Sendai virus | Serum | MFI | 6 weeks | 0/11 | 0/21 | 0/15 | 0/15 | 0/152 | |
| BACTERIA & MYCOPLASMA | | | | | | | | | |
| <i>Bordetella</i> spp. | Oropharynx | Culture | 6 weeks | 0/11 | 0/25 | 0/15 | 0/15 | 0/1915 | |
| <i>Citrobacter rodentium</i> | Intestine or feces | Culture | 6 weeks | 0/67 | 0/25 | 0/15 | 0/15 | 0/3481 | |
| <i>Clostridium piliforme</i> | Serum | ELISA | quarterly | - | - | 0/15 | 0/15 | 0/68 | |
| <i>Corynebacterium bovis</i> †¶ | Skin | PCR | 6 weeks | 0/01 | 0/05 | 0/15 | 0/15 | 0/17 | |
| <i>Corynebacterium kutscheri</i> | Oropharynx | Culture | 6 weeks | 0/11 | 0/25 | 0/15 | 0/15 | 0/1915 | |
| <i>Filobacterium rodentium</i> (CAR bacillus) | Serum | MFI | 6 weeks | 0/11 | 0/21 | 0/15 | 0/15 | 0/152 | |
| <i>Mycoplasma pulmonis</i> | Serum | MFI | 6 weeks | 0/11 | 0/21 | 0/15 | 0/15 | 0/152 | |
| <i>Mycoplasma</i> spp. | Lung | PCR | semi-annual | - | - | - | - | 0/12 | |
| <i>Salmonella</i> spp. | Intestine or feces | Culture | 6 weeks | 0/67 | 0/25 | 0/15 | 0/15 | 0/3481 | |
| <i>Streptobacillus moniliformis</i> | Oropharynx | Culture | 6 weeks | 0/11 | 0/25 | 0/15 | 0/15 | 0/1915 | |

[*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 20 '24 | Apr 8 '24 | Feb 26 '24 | Jan 1 '24 | Previous 12 months |
|--|--------------------|-------------|-------------|------------|-----------|------------|-----------|--------------------|
| PARASITES | | | | | | | | |
| <i>Encephalitozoon cuniculi</i> | Serum | MFI | 6 weeks | 0/11 | 0/21 | 0/15 | 0/15 | 0/152 |
| Ectoparasites (fleas, lice, mites) | Fur | Visual | 6 weeks | 0/06 | 0/03 | 0/15 | 0/15 | 0/54 |
| Endoparasites (tapeworms, pinworms, and other helminths) | Intestine or cecum | Visual | 6 weeks | 0/06 | 0/03 | 0/15 | 0/15 | 0/54 |
| Follicle mites | Subcutis | Visual | 6 weeks | 0/11 | 0/25 | 0/15 | 0/15 | 0/239 |
| Protozoa (e.g., Giardia, Spironucleus, etc.) | Intestine | Microscopy | 6 weeks | 0/06 | 0/03 | 0/15 | 0/15 | 0/54 |
| <i>Toxoplasma gondii</i> ‡ | Serum | ELISA | semi-annual | - | - | - | - | 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 | May 20 '24 | Apr 8 '24 | Feb 26 '24 | Jan 1 '24 | Previous 12 months |
|---|---------------------------------|-------------|-------------|------------|-----------|------------|-----------|--------------------|
| Dermatophytes | Skin swabs | Culture | semi-annual | - | - | - | - | 0/12 |
| <i>Helicobacter</i> spp. | Intestine or feces | PCR | 6 weeks | 0/06 | 0/07 | 0/15 | 0/15 | 0/54 |
| <i>Klebsiella pneumoniae</i> | Oropharynx, intestine, or feces | Culture | 6 weeks | 0/67 | 0/25 | 0/15 | 0/15 | 2/5158** |
| <i>Klebsiella oxytoca</i> | Oropharynx, intestine, or feces | Culture | 6 weeks | 0/67 | 0/25 | 0/15 | 0/15 | 0/5158 |
| <i>Pasteurella multocida</i> | Oropharynx | Culture | 6 weeks | 0/11 | 0/25 | 0/15 | 0/15 | 0/1915 |
| <i>Rodentibacter pneumotropicus</i> / <i>Rodentibacter heylii</i> | Oropharynx | Culture | 6 weeks | 0/11 | 0/25 | 0/15 | 0/15 | 0/1915 |
| <i>Pneumocystis murina</i> † | Lung | PCR | 6 weeks | N/A | 0/04 | 0/15 | 0/15 | 0/85 |
| <i>Proteus mirabilis</i> | Oropharynx, intestine, or feces | Culture | 6 weeks | 0/67 | 0/25 | 0/15 | 0/15 | 0/5158 |
| <i>Pseudomonas aeruginosa</i> | Oropharynx, intestine, or feces | Culture | 6 weeks | 0/67 | 0/25 | 0/15 | 0/15 | 0/5158 |
| <i>Staphylococcus aureus</i> | Oropharynx | Culture | 6 weeks | 0/11 | 0/25 | 0/15 | 0/15 | 0/1915 |
| <i>Streptococcus pneumoniae</i> | Oropharynx | Culture | 6 weeks | 0/11 | 0/25 | 0/15 | 0/15 | 0/1915 |
| Beta-hemolytic <i>Streptococcus</i> spp. (non-group D) | Oropharynx | Culture | 6 weeks | 0/11 | 0/25 | 0/15 | 0/15 | 0/1915 |
| Trichomonads | Intestine | Microscopy | 6 weeks | 0/06 | 0/03 | 0/15 | 0/15 | 0/54 |
| <i>Yersinia enterocolitica</i> | Oropharynx, intestine, or feces | Culture | 6 weeks | 0/67 | 0/25 | 0/15 | 0/15 | 0/5158 |
| <i>Yersinia pseudotuberculosis</i> | Oropharynx, intestine, or feces | Culture | 6 weeks | 0/67 | 0/25 | 0/15 | 0/15 | 0/5158 |

†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

** A test & cull effort was initiated to eliminate this organism from this barrier. No additional positives were found, and a thorough investigation ensued. As of 2/16/23, this investigation was concluded. For additional information call 207-288-6205.

All tests were performed by The Jackson Laboratory.

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

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