# JAX® Mice, Clinical & Research Services (JMCRS)

## Production Health Report

## Area: EM07

| HEALTH STATUS | | BARRIER LEVEL | |
|---|---|---|---|
| | ● PATHOGEN & OPPORTUNIST FREE | | ● MAXIMUM BARRIER |
| | ○ PATHOGEN FREE | | ○ 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** | **Sep 23 '24** | **Aug 12 '24** | **Jul 1 '24** | **May 20 '24** | **Previous 12 months** |
| **VIRUSES** | | | | | | | | |
| Ectromelia virus | Serum | MFI | 6 weeks | 0/20 | 0/20 | 0/20 | 0/20 | 0/172 |
| GDVII (Theiler's) virus | Serum | MFI | 6 weeks | 0/20 | 0/20 | 0/20 | 0/20 | 0/172 |
| Hantaan virus | Serum | MFI | 6 weeks | 0/20 | 0/20 | 0/20 | 0/20 | 0/172 |
| K virus | Serum | ELISA | annually | - | - | - | - | 0/39 |
| LDH elevating virus (LDEV) | Serum | PCR | annually | - | - | - | - | 0/10 |
| Lymphocytic choriomeningitis (LCMV) | Serum | MFI | 6 weeks | 0/20 | 0/20 | 0/20 | 0/20 | 0/172 |
| Mouse adenovirus (MAV) | Serum | MFI | 6 weeks | 0/20 | 0/20 | 0/20 | 0/20 | 0/172 |
| Mouse cytomegalovirus (MCMV) | Serum | MFI | 6 weeks | 0/20 | 0/20 | 0/20 | 0/20 | 0/172 |
| Murine chapparvovirus (MuCPV) | Cecum or feces | PCR | 6 weeks | 0/07 | 0/07 | 0/07 | 0/07 | 0/57 |
| Mouse hepatitis virus (MHV) | Serum | MFI | 6 weeks | 0/20 | 0/20 | 0/20 | 0/20 | 0/172 |
| Mouse minute virus (MMV) | Serum | MFI | 6 weeks | 0/20 | 0/20 | 0/20 | 0/20 | 0/172 |
| Mouse norovirus (MNV) | Serum | MFI | 6 weeks | 0/20 | 0/20 | 0/20 | 0/20 | 0/172 |
| Mouse parvovirus (MPV) | Serum | MFI | 6 weeks | 0/20 | 0/20 | 0/20 | 0/20 | 0/172 |
| Mouse parvovirus (MPV)† | Lymph node | PCR | 6 weeks | 0/07 | 0/07 | 0/07 | 0/07 | 0/65 |
| Mouse thymic virus (MTV) | Serum | IFA | quarterly | - | 0/20 | 0/20 | - | 0/78 |
| Pneumonia virus of mice (PVM) | Serum | MFI | 6 weeks | 0/20 | 0/20 | 0/20 | 0/20 | 0/172 |
| Polyoma virus | Serum | ELISA | annually | - | - | - | - | 0/39 |
| Reovirus 3 (REO 3) | Serum | MFI | 6 weeks | 0/20 | 0/20 | 0/20 | 0/20 | 0/172 |
| Rotavirus (EDIM) | Serum | MFI | 6 weeks | 0/20 | 0/20 | 0/20 | 0/20 | 0/172 |
| Sendai virus | Serum | MFI | 6 weeks | 0/20 | 0/20 | 0/20 | 0/20 | 0/172 |
| **BACTERIA & MYCOPLASMA** | | | | | | | | |
| *Bordetella* spp. | Oropharynx | Culture | 6 weeks | 0/27 | 0/27 | 0/27 | 0/27 | 0/237 |
| *Citrobacter rodentium* | Intestine or feces | Culture | 6 weeks | 0/109 | 0/109 | 0/114 | 0/114 | 0/931 |
| *Clostridium piliforme* | Serum | ELISA | quarterly | - | 0/20 | 0/20 | - | 0/77 |
| *Corynebacterium bovis* †¶ | Skin | PCR | 6 weeks | 0/01 | 0/01 | 0/01 | 0/01 | 0/9 |
| *Corynebacterium kutscheri* | Oropharynx | Culture | 6 weeks | 0/27 | 0/27 | 0/27 | 0/27 | 0/237 |
| *Filobacterium rodentium* (CAR bacillus) | Serum | MFI | 6 weeks | 0/20 | 0/20 | 0/20 | 0/20 | 0/172 |
| *Mycoplasma pulmonis* | Serum | MFI | 6 weeks | 0/20 | 0/20 | 0/20 | 0/20 | 0/172 |
| *Mycoplasma* spp. | Lung | PCR | semi-annual | - | 0/06 | - | - | 0/12 |
| *Salmonella* spp. | Intestine or feces | Culture | 6 weeks | 0/109 | 0/109 | 0/114 | 0/114 | 0/931 |
| *Streptobacillus moniliformis* | Oropharynx | Culture | 6 weeks | 0/27 | 0/27 | 0/27 | 0/27 | 0/237 |

*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 | Sep 23 '24 | Aug 12 '24 | Jul 1 '24 | May 20 '24 | Previous 12 months |
|---|---|---|---|---|---|---|---|---|
| **PARASITES** | | | | | | | | |
| *Encephalitozoon cuniculi* | Serum | MFI | 6 weeks | 0/20 | 0/20 | 0/20 | 0/20 | 0/172 |
| 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 | 0/237 |
| Protozoa (e.g., Giardia, Spironucleus, etc.) | Intestine | Microscopy | 6 weeks | 0/06 | 0/06 | 0/06 | 0/06 | 0/54 |
| *Toxoplasma gondii* ‡ | 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 | Sep 23 '24 | Aug 12 '24 | Jul 1 '24 | May 20 '24 | Previous 12 months |
|---|---|---|---|---|---|---|---|---|
| Dermatophytes | Skin swabs | Culture | semi-annual | - | 0/06 | - | - | 0/12 |
| *Helicobacter* spp. | Intestine or feces | PCR | 6 weeks | 0/07 | 0/07 | 0/07 | 0/07 | 0/57 |
| *Klebsiella pneumoniae* | Oropharynx, intestine, or feces | Culture | 6 weeks | 0/109 | 0/109 | 0/114 | 0/114 | 0/931 |
| *Klebsiella oxytoca* | Oropharynx, intestine, or feces | Culture | 6 weeks | 0/109 | 0/109 | 0/114 | 0/114 | 0/931 |
| *Pasteurella multocida* | Oropharynx | Culture | 6 weeks | 0/27 | 0/27 | 0/27 | 0/27 | 0/237 |
| *Rodentibacter pneumotropicus / Rodentibacter heylii* | Oropharynx | Culture | 6 weeks | 0/27 | 0/27 | 0/27 | 0/27 | 0/237 |
| *Pneumocystis murina* † | Lung | PCR | 6 weeks | 0/07 | 0/07 | 0/07 | 0/07 | 0/65 |
| *Proteus mirabilis* | Oropharynx, intestine, or feces | Culture | 6 weeks | 0/109 | 0/109 | 0/114 | 0/114 | 0/931 |
| *Pseudomonas aeruginosa* | Oropharynx, intestine, or feces | Culture | 6 weeks | 0/109 | 0/109 | 0/114 | 0/114 | 0/931 |
| *Staphylococcus aureus* | Oropharynx | Culture | 6 weeks | 0/27 | 0/27 | 0/27 | 0/27 | 0/237 |
| *Streptococcus pneumoniae* | Oropharynx | Culture | 6 weeks | 0/27 | 0/27 | 0/27 | 0/27 | 0/237 |
| Beta-hemolytic *Streptococcus* spp. (non-group D) | Oropharynx | Culture | 6 weeks | 0/27 | 0/27 | 0/27 | 0/27 | 0/237 |
| Trichomonads | Intestine | Microscopy | 6 weeks | 0/06 | 0/06 | 0/06 | 0/06 | 0/54 |
| *Yersinia enterocolitica* | Oropharynx, intestine, or feces | Culture | 6 weeks | 0/109 | 0/109 | 0/114 | 0/114 | 0/931 |
| *Yersinia pseudotuberculosis* | Oropharynx, intestine, or feces | Culture | 6 weeks | 0/109 | 0/109 | 0/114 | 0/114 | 0/931 |

†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.**

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

**EM07**

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