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

**Production Health Report**

**Area: RB17**

<table>
<thead>
<tr>
<th><strong>HEALTH STATUS</strong></th>
<th><strong>PATHOGEN &amp; OPPORTUNIST FREE</strong></th>
<th><strong>BARRIER LEVEL</strong></th>
<th><strong>MAXIMUM BARRIER</strong></th>
<th><strong>HIGH BARRIER</strong></th>
<th><strong>STANDARD BARRIER</strong></th>
</tr>
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</table>

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.*

<table>
<thead>
<tr>
<th><strong>Organism</strong></th>
<th><strong>Sample Tested</strong></th>
<th><strong>Test Method</strong></th>
<th><strong>Frequency</strong></th>
<th><strong>Jan 27 ’20</strong></th>
<th><strong>Dec 16 ’19</strong></th>
<th><strong>Nov 4 ’19</strong></th>
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#### VIRUSES

- **Ectromelia virus**
  - Serum
  - MFI 6 weeks
  - 0/20 0/20 0/21 0/20 0/177

- **GDVII (Theiler’s) virus**
  - Serum
  - MFI 6 weeks
  - 0/20 0/20 0/21 0/20 0/177

- **Hantaan virus**
  - Serum
  - MFI 6 weeks
  - 0/20 0/20 0/21 0/20 0/177

- **X virus**
  - Serum
  - ELISA annually
  - - - - - 0/20

- **LDH elevating virus (LDEV)**
  - Serum
  - Enzyme
  - annually
  - - - - - 0/10

- **Lymphocytic choriomeningitis (LCMV)**
  - Serum
  - MFI 6 weeks
  - 0/20 0/20 0/21 0/20 0/177

- **Mouse adenovirus (MAV)**
  - Serum
  - MFI 6 weeks
  - 0/20 0/20 0/21 0/20 0/177

- **Mouse cytomegalovirus (MCMV)**
  - Serum
  - MFI 6 weeks
  - 0/20 0/20 0/21 0/20 0/177

- **Mouse hepatitis virus (MHV)**
  - Serum
  - MFI 6 weeks
  - 0/20 0/20 0/21 0/20 0/177

- **Mouse minute virus (MMV)**
  - Serum
  - MFI 6 weeks
  - 0/20 0/20 0/21 0/20 0/177

- **Mouse norovirus (MNV)**
  - Serum
  - MFI 6 weeks
  - 0/20 0/20 0/21 0/20 0/177

- **Mouse parvovirus (MPV)**
  - Serum
  - MFI 6 weeks
  - 0/20 0/20 0/21 0/20 0/177

- **Mouse parvovirus (MPV)†**
  - Lymph node
  - PCR 6 weeks
  - 0/07 0/07 0/07 0/06 0/26

- **Mouse thymic virus (MTV)**
  - Serum
  - IFA quarterly
  - - 0/20 0/21 - 0/80

- **Pneumonia virus of mice (PVM)**
  - Serum
  - MFI 6 weeks
  - 0/20 0/20 0/21 0/20 0/177

- **Polyoma virus**
  - Serum
  - ELISA annually
  - - - - - 0/20

- **Reovirus 3 (REO 3)**
  - Serum
  - MFI 6 weeks
  - 0/20 0/20 0/21 0/20 0/177

- **Rotavirus (EDIM)**
  - Serum
  - MFI 6 weeks
  - 0/20 0/20 0/21 0/20 0/177

- **Sendai virus**
  - Serum
  - MFI 6 weeks
  - 0/20 0/20 0/21 0/20 0/177

#### BACTERIA & MYCOPLASMA

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- **Bordetella spp.**
  - Oropharynx
  - Culture
  - 6 weeks
  - 0/27 0/27 0/28 0/26 0/210

- **Car bacillus**
  - Serum
  - MFI 6 weeks
  - 0/20 0/20 0/21 0/20 0/177

- **Citrobacter rodentium**
  - Intestine or feces
  - Culture
  - 6 weeks
  - 0/109 0/111 0/113 0/102 0/787

- **Clostridium piliforme**
  - Serum
  - ELISA quarterly
  - - 0/20 0/21 - 0/80

- **Corynebacterium bovis**
  - Oropharynx/skin
  - Culture
  - 6 weeks
  - 0/27 0/27 0/28 0/26 0/210

- **Corynebacterium kutscheri**
  - Oropharynx
  - Culture
  - 6 weeks
  - 0/27 0/27 0/28 0/26 0/210

- **Helicobacter spp.**
  - Intestine or feces
  - PCR 6 weeks
  - 0/06 0/06 0/06 0/06 0/70

- **Mycoplasma pulmonis**
  - Serum
  - MFI 6 weeks
  - 0/20 0/20 0/21 0/20 0/177

- **Pasteurella spp.**
  - Oropharynx
  - Culture
  - 6 weeks
  - 0/27 0/27 0/28 0/26 0/210

- **Salmonella spp.**
  - Intestine or feces
  - Culture
  - 6 weeks
  - 0/109 0/111 0/113 0/102 0/787

- **Streptobacillus moniliformis**
  - Oropharynx
  - Culture
  - 6 weeks
  - 0/27 0/27 0/28 0/26 0/210

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

†The indicated tests are only performed in rooms that house immunodeficient mice.
### PARASITES & PROTOZOA

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<tbody>
<tr>
<td>Encephalitozoon cuniculi</td>
<td>Serum MFI</td>
<td>6 weeks</td>
<td>0/20</td>
<td>0/20</td>
<td>0/21</td>
<td>0/20</td>
</tr>
<tr>
<td>Ectoparasites (fleas, lice, mites)</td>
<td>Fur Visual</td>
<td>6 weeks</td>
<td>0/06</td>
<td>0/06</td>
<td>0/06</td>
<td>0/06</td>
</tr>
<tr>
<td>Endoparasites (tapeworms, pinworms, and other helminths)</td>
<td>Intestine or cecum Visual</td>
<td>6 weeks</td>
<td>0/06</td>
<td>0/06</td>
<td>0/06</td>
<td>0/06</td>
</tr>
<tr>
<td>Follicle mites</td>
<td>Subcutis Visual</td>
<td>6 weeks</td>
<td>0/27</td>
<td>0/27</td>
<td>0/28</td>
<td>0/26</td>
</tr>
<tr>
<td>Opportunistic protozoa (e.g., Giardia, Spironucleus)</td>
<td>Intestine Microscopy</td>
<td>6 weeks</td>
<td>0/06</td>
<td>0/06</td>
<td>0/06</td>
<td>0/06</td>
</tr>
</tbody>
</table>

### 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.*

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<tr>
<td>Klebsiella pneumoniae</td>
<td>Oropharynx, intestine, or feces</td>
<td>Culture</td>
<td>6 weeks</td>
<td>0/109</td>
<td>0/111</td>
<td>0/113</td>
<td>0/102</td>
</tr>
<tr>
<td>Klebsiella spp. other than K. pneumoniae</td>
<td>Oropharynx, intestine, or feces</td>
<td>Culture</td>
<td>6 weeks</td>
<td>0/109</td>
<td>0/111</td>
<td>0/113</td>
<td>0/102</td>
</tr>
<tr>
<td>Nonpathogenic protozoa (e.g., Trichomonads)</td>
<td>Intestine Microscopy</td>
<td>6 weeks</td>
<td>0/06</td>
<td>0/06</td>
<td>0/06</td>
<td>0/06</td>
<td>0/70</td>
</tr>
<tr>
<td>Pneumocystis murina †</td>
<td>Lung PCR</td>
<td>6 weeks</td>
<td>0/07</td>
<td>0/07</td>
<td>0/07</td>
<td>0/06</td>
<td>0/26</td>
</tr>
<tr>
<td>Proteus mirabilis</td>
<td>Oropharynx, intestine, or feces</td>
<td>Culture</td>
<td>6 weeks</td>
<td>0/109</td>
<td>0/111</td>
<td>0/113</td>
<td>0/102</td>
</tr>
<tr>
<td>Pseudomonas spp.</td>
<td>Intestine or feces</td>
<td>Culture</td>
<td>6 weeks</td>
<td>0/109</td>
<td>0/111</td>
<td>0/113</td>
<td>0/102</td>
</tr>
<tr>
<td>Staphylococcus aureus</td>
<td>Oropharynx</td>
<td>Culture</td>
<td>6 weeks</td>
<td>0/27</td>
<td>0/27</td>
<td>0/28</td>
<td>0/26</td>
</tr>
<tr>
<td>Streptococcus pneumoniae</td>
<td>Oropharynx</td>
<td>Culture</td>
<td>6 weeks</td>
<td>0/27</td>
<td>0/27</td>
<td>0/28</td>
<td>0/26</td>
</tr>
<tr>
<td>Beta-hemolytic Streptococcus spp. (non-group D)</td>
<td>Oropharynx</td>
<td>Culture</td>
<td>6 weeks</td>
<td>0/27</td>
<td>0/27</td>
<td>0/28</td>
<td>0/26</td>
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### Gross Pathology

<table>
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<tbody>
<tr>
<td>Necropsy findings</td>
<td>Exam, histopath</td>
<td>6 weeks</td>
<td>0/27</td>
<td>0/27</td>
<td>0/28</td>
</tr>
</tbody>
</table>

*All tests were performed by The Jackson Laboratory*

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James R. Fahey, MS, PhD, DVM, DACVM  
Chief of Diagnostic Services & Associate Director  
Comparative Medicine & Quality  

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