**JAX® Mice, Clinical & Research Services (JMCRS)**
Production Health Report
Area: MP14

**Organism** | **Sample** | **Test Method** | **Frequency** | **Mar 26 ’18** | **Feb 12 ’18** | **Jan 2 ’18** | **Nov 20 ’17** | **Previous 12 months** | **Test Results: #positive/#tested**
---|---|---|---|---|---|---|---|---|---
**VIRUSES**
Etromelia virus | Serum | MFI | 6 weeks | 0/36 | 0/18 | 0/15 | 0/17 | 0/150 | 0/10
GDVII (Theiler’s) virus | Serum | MFI | 6 weeks | 0/36 | 0/18 | 0/15 | 0/17 | 0/150 | 0/10
Hantaan virus | Serum | MFI | 6 weeks | 0/36 | 0/18 | 0/15 | 0/17 | 0/150 | 0/10
K virus | Serum | ELISA | annually | 0/20 | - | - | - | 0/18 | 0/10
LDH elevating virus (LDEV) | Serum | Enzyme | annually | 0/10 | - | - | - | 0/18 | 0/10
Lymphocytic choriomeningitis (LCMV) | Serum | MFI | 6 weeks | 0/36 | 0/18 | 0/15 | 0/17 | 0/150 | 0/10
Mouse adenovirus (MAV) | Serum | MFI | 6 weeks | 0/36 | 0/18 | 0/15 | 0/17 | 0/150 | 0/10
Mouse cytomegalovirus (MCMV) | Serum | MFI | 6 weeks | 0/36 | 0/18 | 0/15 | 0/17 | 0/150 | 0/10
Mouse hepatitis virus (MHV) | Serum | MFI | 6 weeks | 0/36 | 0/18 | 0/15 | 0/17 | 0/150 | 0/10
Mouse minute virus (MMV) | Serum | MFI | 6 weeks | 0/36 | 0/18 | 0/15 | 0/17 | 0/150 | 0/10
Mouse norovirus (MVN) | Serum | MFI | 6 weeks | 0/36 | 0/18 | 0/15 | 0/17 | 0/150 | 0/10
Mouse parvovirus (MPV) | Serum | MFI | 6 weeks | 0/36 | 0/18 | 0/15 | 0/17 | 0/150 | 0/10
Mouse parvovirus (MPV)† | Lymph node | PCR | 6 weeks | 0/08 | 0/08 | 0/08 | 0/08 | 0/72 | 0/72
Mouse thymic virus (MTV) | Serum | IFA | quarterly | 0/20 | 0/18 | 0/14 | - | 0/67 | 0/67
Pneumonia virus of mice (PVM) | Serum | MFI | 6 weeks | 0/36 | 0/18 | 0/15 | 0/17 | 0/150 | 0/10
Polyoma virus | Serum | ELISA | annually | 0/20 | - | - | - | 0/18 | 0/10
Reovirus 3 (REO 3) | Serum | MFI | 6 weeks | 0/36 | 0/18 | 0/15 | 0/17 | 0/150 | 0/10
Rotavirus (EDIM) | Serum | MFI | 6 weeks | 0/36 | 0/18 | 0/15 | 0/17 | 0/150 | 0/10
Sendai virus | Serum | MFI | 6 weeks | 0/36 | 0/18 | 0/15 | 0/17 | 0/150 | 0/10

**BACTERIA & MYCOPLASMA**
Bordetella spp. | Oropharynx | Culture | 6 weeks | 0/26 | 0/26 | 0/25 | 0/26 | 0/233 | 0/233
CAR bacillus | Serum | MFI | 6 weeks | 0/36 | 0/18 | 0/15 | 0/17 | 0/150 | 0/150
Citrobacter rodentium | Intestine or feces | Culture | 6 weeks | 0/159 | 0/142 | 0/1768 | 0/3734 | 0/12108 | 0/12108
Clostridium piliforme | Serum | ELISA | quarterly | 0/20 | 0/18 | 0/15 | - | 0/67 | 0/67
Corynebacterium bovis | Oropharynx/skin | Culture | 6 weeks | 0/31 | 0/31 | 0/31 | 0/30 | 0/283 | 0/283
Corynebacterium kutscheri | Oropharynx | Culture | 6 weeks | 0/26 | 0/26 | 0/25 | 0/26 | 0/233 | 0/233
Helicobacter spp. | Intestine or feces | PCR | 6 weeks | 0/06 | 0/06 | 0/06 | 0/06 | 0/54 | 0/54
Mycoplasma pulmonis | Serum | MFI | 6 weeks | 0/36 | 0/18 | 0/15 | 0/17 | 0/150 | 0/150
Pasteurella spp. | Oropharynx | Culture | 6 weeks | 0/26 | 0/26 | 0/25 | 0/26 | 0/233 | 0/233
Salmonella spp. | Intestine or feces | Culture | 6 weeks | 0/159 | 0/142 | 0/1768 | 0/3734 | 0/12108 | 0/12108
Streptobacillus moniliformis | Oropharynx | Culture | 6 weeks | 0/26 | 0/26 | 0/25 | 0/26 | 0/233 | 0/233

*Additional details regarding our health monitoring program and shipping policy.
†The indicated tests are only performed in rooms that house immunodeficient mice.*
### PARASITES & PROTOZOA

<table>
<thead>
<tr>
<th>Organism Sample Tested</th>
<th>Test Method</th>
<th>Frequency</th>
<th>Mar 26 ’18</th>
<th>Feb 12 ’18</th>
<th>Jan 2 ’18</th>
<th>Nov 20 ’17</th>
<th>Previous 12 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>Encephalitozoon cuniculi</td>
<td>Serum</td>
<td>MFI</td>
<td>6 weeks</td>
<td>0/36</td>
<td>0/18</td>
<td>0/15</td>
<td>0/17</td>
</tr>
<tr>
<td>Ectoparasites (fleas, lice, mites)</td>
<td>Fur</td>
<td>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</td>
<td>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</td>
<td>Visual</td>
<td>6 weeks</td>
<td>0/26</td>
<td>0/26</td>
<td>0/25</td>
<td>0/26</td>
</tr>
<tr>
<td>Opportunistic protozoa (e.g., Giardia, Spironucleus)</td>
<td>Intestine</td>
<td>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.*

<table>
<thead>
<tr>
<th>Organism</th>
<th>Sample Tested</th>
<th>Test Method</th>
<th>Frequency</th>
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<th>Previous 12 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>Klebsiella pneumoniae</td>
<td>Oropharynx, intestine, or feces</td>
<td>Culture</td>
<td>6 weeks</td>
<td>0/159</td>
<td>0/142</td>
<td>0/1768</td>
<td>0/3734</td>
<td>1/12108</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>0/159</td>
<td>0/142</td>
<td>0/1768</td>
<td>0/3734</td>
<td>2/12108</td>
</tr>
<tr>
<td>Nonpathogenic protozoa (e.g., Trichomonads)</td>
<td>Intestine</td>
<td>Microscopy</td>
<td>6 weeks</td>
<td>0/06</td>
<td>0/06</td>
<td>0/06</td>
<td>0/06</td>
<td>0/54</td>
</tr>
<tr>
<td>Pneumocystis murina †</td>
<td>Lung</td>
<td>PCR</td>
<td>6 weeks</td>
<td>0/08</td>
<td>0/08</td>
<td>0/08</td>
<td>0/08</td>
<td>0/72</td>
</tr>
<tr>
<td>Proteus mirabilis</td>
<td>Oropharynx, intestine, or feces</td>
<td>Culture</td>
<td>6 weeks</td>
<td>0/159</td>
<td>0/142</td>
<td>0/1768</td>
<td>0/3734</td>
<td>0/12108</td>
</tr>
<tr>
<td>Pseudomonas spp.</td>
<td>Intestine or feces</td>
<td>Culture</td>
<td>6 weeks</td>
<td>0/159</td>
<td>0/142</td>
<td>0/1768</td>
<td>0/3734</td>
<td>0/12108</td>
</tr>
<tr>
<td>Staphylococcus aureus</td>
<td>Oropharynx</td>
<td>Culture</td>
<td>6 weeks</td>
<td>0/26</td>
<td>0/26</td>
<td>0/25</td>
<td>0/26</td>
<td>0/410</td>
</tr>
<tr>
<td>Streplococcus pneumoniae</td>
<td>Oropharynx</td>
<td>Culture</td>
<td>6 weeks</td>
<td>0/26</td>
<td>0/26</td>
<td>0/25</td>
<td>0/26</td>
<td>0/233</td>
</tr>
<tr>
<td>Beta-hemolytic Streptococcus spp. (non-group D)</td>
<td>Oropharynx</td>
<td>Culture</td>
<td>6 weeks</td>
<td>0/26</td>
<td>0/26</td>
<td>0/25</td>
<td>0/26</td>
<td>0/233</td>
</tr>
</tbody>
</table>

### Gross Pathology

<table>
<thead>
<tr>
<th>Necropsy findings</th>
<th>Test Method</th>
<th>Frequency</th>
<th>Mar 26 ’18</th>
<th>Feb 12 ’18</th>
<th>Jan 2 ’18</th>
<th>Nov 20 ’17</th>
<th>Previous 12 months</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Exam, histopath</td>
<td>6 weeks</td>
<td>0/26</td>
<td>0/26</td>
<td>0/25</td>
<td>0/26</td>
<td>0/233</td>
</tr>
</tbody>
</table>

All tests were performed by The Jackson Laboratory

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

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