### Health monitoring report
In accordance with FELASA recommendations

**Location:** University of Oulu, Laboratory Animal Centre, mouse barrier  
**Date of issue:** 27th August 2018  
**Sampling date:** 14th August 2018  
**Species sampled:** Mouse  
**Species present within the unit:** Mouse  
**Sampling:** Outbred CD1 sentinels  
**The barrier was emptied, disinfected and repopulated in December 2014.**

<table>
<thead>
<tr>
<th>Viruses</th>
<th>Interval (months)</th>
<th>Date of last results</th>
<th>Last results</th>
<th>Laboratory</th>
<th>Test method</th>
<th>Historical results Dec. 2014 - Apr. 2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minute virus of mice (MVM)</td>
<td>4</td>
<td>14.8.2018</td>
<td>0 / 9</td>
<td>SD</td>
<td>Bead</td>
<td>0 / 119</td>
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<tr>
<td>Mouse parvovirus (MPV)</td>
<td>4</td>
<td>14.8.2018</td>
<td>0 / 9</td>
<td>SD</td>
<td>Bead</td>
<td>0 / 119</td>
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<tr>
<td>Mouse parvovirus (MLNs)</td>
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<td>9.4.2018</td>
<td>0 / 9</td>
<td>SD</td>
<td>PCR</td>
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<tr>
<td>Mouse parvovirus (faeces, pooled room samples)</td>
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<td>0 / 8</td>
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<td>PCR</td>
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<tr>
<td>Mouse hepatitis virus (MHV)</td>
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<td>0 / 119</td>
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<tr>
<td>Pneumonia virus of mice (PVM)</td>
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<td>Reovirus type 3</td>
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<td>0 / 119</td>
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<td>Sendai virus</td>
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<td>0 / 9</td>
<td>SD</td>
<td>Bead</td>
<td>0 / 119</td>
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<td>Mouse rotavirus (EDIM)</td>
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<td>0 / 9</td>
<td>SD</td>
<td>Bead</td>
<td>0 / 119</td>
</tr>
<tr>
<td>Thielers murine encephalomyelitis virus (TMEV)</td>
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<td>SD</td>
<td>Bead</td>
<td>0 / 119</td>
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<tr>
<td>Mouse norovirus (MVN)</td>
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<td>Mouse norovirus (faeces, pooled room samples)</td>
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<td>RT-PCR</td>
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<td>Ectromelia virus</td>
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<td>Bead</td>
<td>0 / 37</td>
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<tr>
<td>Lymphocytic choriomeningitis virus (LCMV)</td>
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<td>Bead</td>
<td>0 / 37</td>
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<tr>
<td>Mouse adenovirus (Mad FL)</td>
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<td>Mouse cytomegalovirus (MCMV)</td>
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<td>Polyoma virus</td>
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<td>K-virus</td>
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<tr>
<td>Lactate dehydrogenase elevating virus (LDEV)</td>
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<td>Bead</td>
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<tr>
<td>Mouse thymic virus (MTV)</td>
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<td>0 / 9</td>
<td>SD</td>
<td>Bead</td>
<td>0 / 37</td>
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</table>

### Bacteria, mycoplasma and fungi

<table>
<thead>
<tr>
<th></th>
<th>Interval (months)</th>
<th>Date of last results</th>
<th>Last results</th>
<th>Laboratory</th>
<th>Test method</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Citrobacter rodentium</em></td>
<td>4</td>
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<td>SD</td>
<td>Cult</td>
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<tr>
<td><em>Clostridium piliforme</em></td>
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<td>SD</td>
<td>Bead</td>
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<tr>
<td><em>Corynebacterium kutscheri</em></td>
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<td>SD</td>
<td>Cult</td>
</tr>
<tr>
<td><em>Helicobacter spp. (faeces, pooled room samples)</em></td>
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<td>14.8.2018</td>
<td>0 / 8</td>
<td>SD</td>
<td>PCR</td>
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<tr>
<td><em>Mycoplasma pulmonis</em></td>
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<td>14.8.2018</td>
<td>0 / 9</td>
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<td>Bead</td>
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<tr>
<td><em>Pasteurellaceae</em></td>
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<td>Cult</td>
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<tr>
<td><em>Pasteurella pneumotropica</em></td>
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<td><em>Pseudomonas aeruginosa</em></td>
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<td><em>Salmonella spp.</em></td>
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<td><em>Staphylococcus aureus</em></td>
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<td><em>Streptococci, B-haemolytic</em></td>
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<tr>
<td><em>Streptococcus pneumoniae</em></td>
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<tr>
<td><em>Streptobacillus moniliformis</em></td>
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<td>0 / 9</td>
<td>SD</td>
<td>Cult</td>
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</tbody>
</table>

### Parasites

<table>
<thead>
<tr>
<th></th>
<th>Interval (months)</th>
<th>Date of last results</th>
<th>Last results</th>
<th>Laboratory</th>
<th>Test method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ectoparasites</td>
<td>4</td>
<td>14.8.2018</td>
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<td>LAC</td>
<td>Micr</td>
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<td>Endoparasites</td>
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<td>LAC</td>
<td>Micr</td>
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<td>Caecum</td>
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<td>LAC</td>
<td>Micr</td>
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<tr>
<td>Faecal helminth eggs</td>
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<td>14.8.2018</td>
<td>0 / 9</td>
<td>FFSA</td>
<td>Flot</td>
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<td><em>Encephalitozoon cuniculi</em></td>
<td>12</td>
<td>9.4.2018</td>
<td>0 / 9</td>
<td>SD</td>
<td>Bead</td>
</tr>
</tbody>
</table>

1) Positive result 5.5.2015 from immunocompromised (nuke) sentinels  
2) Two positive results 5.5.2015, four positive results 13.12.2016
Abbreviations used in this report:

Bead        Multiplexed immunoassay
Cult        Culture
FFSA        Laboratory of the Finnish Food Safety Authority, Oulu
Flot        Faecal flotation
LAC         Laboratory Animal Centre, University of Oulu
Micr        Microscopy
MLN         Mesenteric lymph node
NT          Not tested
PCR         Polymerase chain reaction
RT-PCR      Reverse transcription polymerase chain reaction
SD          Surrey Diagnostics Ltd, University of Surrey

Oulu, 27th August 2018

Place and date

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