

## Health Monitoring Report for Mice

**Institution:** Harvard University Faculty of Arts and Sciences

**Date:** 25 June 2019

**Microbiological Entity/Unit**

Building: BRI

Room(s): POD 6: 1601, 1603, 1604, 1607, 1608

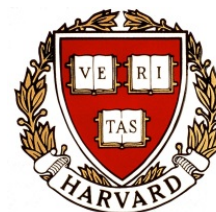
**Entity/Unit type** (mark the correct type) :

Conventional

**Barrier**

Isolator

Other



**Contact person** (name, e-mail, phone)

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**Testing Results:**

| Tested subject<br>(sentinel, colony animal, environmental, etc.) |                |     |               | Most recent tests |                              | Historical results           |                   |
|------------------------------------------------------------------|----------------|-----|---------------|-------------------|------------------------------|------------------------------|-------------------|
|                                                                  |                |     |               | Date              | No. positives/<br>No. tested | No. positives/<br>No. tested | Testing frequency |
| Testing Laboratory                                               | Testing method |     |               |                   |                              |                              |                   |
| <b>Viruses :</b>                                                 |                |     |               |                   |                              |                              |                   |
| Ectromelia virus <sup>1</sup>                                    | CRL            | PCR | Environmental | 8-Apr-19          | 0/30                         | 0/59                         | Yearly            |
| Hantaviruses                                                     | CRL            | PCR | Environmental | 8-Apr-19          | 0/30                         | 0/59                         | Yearly            |
| K virus                                                          |                |     |               | Not tested        |                              |                              |                   |
| Lactate dehydrogenase elevating virus                            |                |     |               | Not tested        |                              |                              |                   |
| Lymphocytic choriomeningitis virus <sup>1</sup>                  | CRL            | PCR | Environmental | 8-Apr-19          | 0/30                         | 0/59                         | Yearly            |
| Mouse adenovirus (type 1) <sup>1</sup>                           | CRL            | PCR | Environmental | 8-Apr-19          | 0/30                         | 0/59                         | Yearly            |
| Mouse adenovirus (type 2) <sup>1</sup>                           | CRL            | PCR | Environmental | 8-Apr-19          | 0/30                         | 0/59                         | Yearly            |
| Mouse cytomegalovirus                                            |                |     |               | Not tested        |                              |                              |                   |
| Mouse hepatitis virus <sup>1</sup>                               | CRL            | PCR | Environmental | 25-Jun-19         | 0/5                          | 0/79                         | Quarterly         |
| Mouse norovirus <sup>1</sup>                                     | CRL            | PCR | Environmental | 25-Jun-19         | 4/5                          | 47/79                        | Quarterly         |
| Mouse rotavirus <sup>1</sup>                                     | CRL            | PCR | Environmental | 25-Jun-19         | 0/5                          | 0/79                         | Quarterly         |
| Mouse thymic virus                                               |                |     |               | Not tested        |                              |                              |                   |
| Parvovirus <sup>1</sup>                                          | CRL            | PCR | Environmental | 25-Jun-19         | 0/5                          | 0/79                         | Quarterly         |
| - NS1                                                            |                |     |               | Not tested        |                              |                              |                   |
| - MPV <sup>1</sup>                                               | CRL            | PCR | Environmental | 25-Jun-19         | 0/5                          | 0/79                         | Quarterly         |
| - MVM <sup>1</sup>                                               | CRL            | PCR | Environmental | 25-Jun-19         | 0/5                          | 0/79                         | Quarterly         |
| Polyoma virus                                                    |                |     |               | Not tested        |                              |                              |                   |
| Pneumonia virus of mice <sup>1</sup>                             | CRL            | PCR | Environmental | 8-Apr-19          | 0/30                         | 0/59                         | Yearly            |
| Reovirus type 3 <sup>1</sup>                                     | CRL            | PCR | Environmental | 8-Apr-19          | 0/30                         | 0/59                         | Yearly            |
| Sendai virus <sup>1</sup>                                        | CRL            | PCR | Environmental | 8-Apr-19          | 0/30                         | 0/59                         | Yearly            |
| Theiler's murine encephalomyelitis virus <sup>1</sup>            | CRL            | PCR | Environmental | 25-Jun-19         | 0/5                          | 0/79                         | Quarterly         |

**Bacteria & fungi:**

|                                                                  |     |     |               |                    |      |      |        |
|------------------------------------------------------------------|-----|-----|---------------|--------------------|------|------|--------|
| β-hemolytic <i>Streptococcus</i> spp. (not group D) <sup>1</sup> | CRL | PCR | Environmental | 8-Apr-19           | 0/30 | 0/59 | Yearly |
| <i>Bordetella bronchiseptica</i>                                 | CRL | PCR | Environmental | 8-Apr-19           | 0/30 | 0/59 | Yearly |
| <i>Bordetella hinzii</i>                                         | CRL | PCR | Environmental | 8-Apr-19           | 0/30 | 0/59 | Yearly |
| Cilia-associated respiratory bacillus                            | CRL | PCR | Environmental | 8-Apr-19           | 0/30 | 0/59 | Yearly |
| <i>Citrobacter rodentium</i> <sup>1</sup>                        | CRL | PCR | Environmental | 8-Apr-19           | 0/30 | 0/59 | Yearly |
| <i>Clostridium piliforme</i> <sup>1</sup>                        | CRL | PCR | Environmental | 8-Apr-19           | 0/30 | 0/59 | Yearly |
| <i>Corynebacterium kutscheri</i> <sup>1</sup>                    | CRL | PCR | Environmental | 8-Apr-19           | 0/30 | 0/59 | Yearly |
| <i>Helicobacter</i> spp. <sup>1</sup>                            |     |     |               | Enzootic in colony |      |      |        |
| <i>Klebsiella oxytoca</i>                                        | CRL | PCR | Environmental | 8-Apr-19           | 3/30 | 6/59 | Yearly |

1: The 2014 FELASA recommendations include these agents.

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### Testing Results (continued):

| Testing Results (continued):                     |                |                                                |               | Most recent tests            |                              | Historical results       |           |
|--------------------------------------------------|----------------|------------------------------------------------|---------------|------------------------------|------------------------------|--------------------------|-----------|
|                                                  |                |                                                |               | Tested subject               |                              | Collected over 18 months |           |
| Testing Laboratory                               | Testing method | (sentinel, colony animal, environmental, etc.) | Date          | No. positives/<br>No. tested | No. positives/<br>No. tested | Testing frequency        |           |
|                                                  |                |                                                |               |                              |                              |                          |           |
| Bacteria (continued)                             |                |                                                |               |                              |                              |                          |           |
| <i>Klebsiella pneumoniae</i>                     | CRL            | PCR                                            | Environmental | 8-Apr-19                     | 0/30                         | 0/59                     | Yearly    |
| <i>Mycoplasma pulmonis</i> <sup>1</sup>          | CRL            | PCR                                            | Environmental | 8-Apr-19                     | 0/30                         | 0/59                     | Yearly    |
| <i>Pasteurella pneumotropica</i> <sup>1</sup>    | CRL            | PCR                                            | Environmental | 25-Jun-19                    | 5/5                          | 74/79                    | Quarterly |
| <i>Pseudomonas aeruginosa</i>                    | CRL            | PCR                                            | Environmental | 8-Apr-19                     | 0/30                         | 0/59                     | Yearly    |
| <i>Pneumocystis murina</i>                       | CRL            | PCR                                            | Environmental | 8-Apr-19                     | 0/30                         | 0/59                     | Yearly    |
| <i>Salmonella</i> spp. <sup>1</sup>              | CRL            | PCR                                            | Environmental | 8-Apr-19                     | 0/30                         | 0/59                     | Yearly    |
| <i>Staphylococcus aureus</i>                     | CRL            | PCR                                            | Environmental | 8-Apr-19                     | 3/30                         | 6/59                     | Yearly    |
| <i>Streptobacillus moniliformis</i> <sup>1</sup> | CRL            | PCR                                            | Environmental | 8-Apr-19                     | 0/30                         | 0/59                     | Yearly    |
| <i>Streptococcus pneumoniae</i> <sup>1</sup>     | CRL            | PCR                                            | Environmental | 8-Apr-19                     | 0/30                         | 0/59                     | Yearly    |

### Parasites<sup>1</sup>:

#### Mites

|                           |     |     |               |           |     |      |           |
|---------------------------|-----|-----|---------------|-----------|-----|------|-----------|
| <i>Myobia musculi</i>     | CRL | PCR | Environmental | 25-Jun-19 | 0/5 | 0/79 | Quarterly |
| <i>Myocoptes musculus</i> | CRL | PCR | Environmental | 25-Jun-19 | 0/5 | 0/79 | Quarterly |
| <i>Radfordia affinis</i>  | CRL | PCR | Environmental | 25-Jun-19 | 0/5 | 0/79 | Quarterly |

#### Pinworms

|                               |     |     |               |           |     |      |           |
|-------------------------------|-----|-----|---------------|-----------|-----|------|-----------|
| <i>Aspiculuris tetraptera</i> | CRL | PCR | Environmental | 25-Jun-19 | 0/5 | 0/79 | Quarterly |
| <i>Syphacia oblevata</i>      | CRL | PCR | Environmental | 25-Jun-19 | 0/5 | 0/79 | Quarterly |

#### Protozoan

|                             |            |     |               |           |      |       |           |
|-----------------------------|------------|-----|---------------|-----------|------|-------|-----------|
| <i>Entamoeba muris</i>      | CRL        | PCR | Environmental | 25-Jun-19 | 3/5  | 25/79 | Quarterly |
| <i>Giardia muris</i>        | CRL        | PCR | Environmental | 8-Apr-19  | 0/30 | 0/59  | Yearly    |
| <i>Spironucleus muris</i>   | CRL        | PCR | Environmental | 25-Jun-19 | 1/5  | 11/79 | Quarterly |
| <i>Tritrichomonas muris</i> | Not tested |     |               |           |      |       |           |

#### Other parasites

**Additional agents for which testing has been performed:**

**Pathology:**

### Additional comments:

*Helicobacter* spp. enzootically present in the colony: *H. bilis*, *H. ganmani*, *H. hepaticus*, *H. mastomyrinus*, *H. typhlonius*. *Spironucleus* found via PCR in 1604.

<sup>1</sup>: The 2014 FELASA recommendations include these agents.