

## Health Monitoring Report for Mice

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

**Date:** 25 Sept 2017

**Microbiological Entity/Unit**

Building: BRI

Room(s): POD 2, 1202, 1208, 1209, 1214, 1218

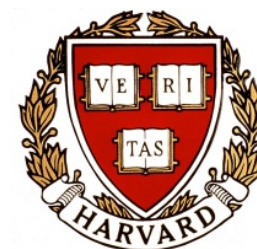
**Entity/Unit type** (mark the correct type) :

Conventional

☒ Barrier

Isolator

Other



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

Dr. Kathleen Pritchett-Corning, pritchettcorning@fas.harvard.edu, +1 617 384 6642

**Testing Results:**

| Testing Results:                                      |                |                              |                   | Most recent tests                                                    |       | Historical results           |                          |
|-------------------------------------------------------|----------------|------------------------------|-------------------|----------------------------------------------------------------------|-------|------------------------------|--------------------------|
|                                                       |                |                              |                   | Tested subject<br><br>(sentinel, colony animal, environmental, etc.) | Date  | No. positives/<br>No. tested | Collected over 18 months |
| Testing Laboratory                                    | Testing method | No. positives/<br>No. tested | Testing frequency |                                                                      |       |                              |                          |
| Viruses :                                             |                |                              |                   |                                                                      |       |                              |                          |
| Ectromelia virus <sup>1</sup>                         | CRL            | PCR                          | Environmental     | 29-Jun-17                                                            | 0/22  | 0/41                         | Yearly                   |
| Hantaviruses                                          | CRL            | PCR                          | Environmental     | 29-Jun-17                                                            | 0/22  | 0/41                         | Yearly                   |
| K virus                                               |                |                              |                   | Not tested                                                           |       |                              |                          |
| Lactate dehydrogenase elevating virus                 |                |                              |                   | Not tested                                                           |       |                              |                          |
| Lymphocytic choriomeningitis virus <sup>1</sup>       | CRL            | PCR                          | Environmental     | 29-Jun-17                                                            | 0/22  | 0/41                         | Yearly                   |
| Mouse adenovirus (type 1) <sup>1</sup>                | CRL            | PCR                          | Environmental     | 29-Jun-17                                                            | 0/22  | 0/41                         | Yearly                   |
| Mouse adenovirus (type 2) <sup>1</sup>                | CRL            | PCR                          | Environmental     | 29-Jun-17                                                            | 0/22  | 0/41                         | Yearly                   |
| Mouse cytomegalovirus                                 |                |                              |                   | Not tested                                                           |       |                              |                          |
| Mouse hepatitis virus <sup>1</sup>                    | CRL            | PCR                          | Environmental     | 25-Sep-17                                                            | 0/19  | 0/75                         | Quarterly                |
| Mouse norovirus <sup>1</sup>                          | CRL            | PCR                          | Environmental     | 25-Sep-17                                                            | 19/19 | 73/75                        | Quarterly                |
| Mouse rotavirus <sup>1</sup>                          | CRL            | PCR                          | Environmental     | 25-Sep-17                                                            | 0/19  | 0/75                         | Quarterly                |
| Mouse thymic virus                                    |                |                              |                   | Not tested                                                           |       |                              |                          |
| Parvovirus <sup>1</sup>                               | CRL            | PCR                          | Environmental     | 25-Sep-17                                                            | 0/19  | 0/75                         | Quarterly                |
| - NS1                                                 |                |                              |                   | Not tested                                                           |       |                              |                          |
| - MPV <sup>1</sup>                                    | CRL            | PCR                          | Environmental     | 25-Sep-17                                                            | 0/19  | 0/75                         | Quarterly                |
| - MVM <sup>1</sup>                                    | CRL            | PCR                          | Environmental     | 25-Sep-17                                                            | 0/19  | 0/75                         | Quarterly                |
| Polyoma virus                                         |                |                              |                   | Not tested                                                           |       |                              |                          |
| Pneumonia virus of mice <sup>1</sup>                  | CRL            | PCR                          | Environmental     | 29-Jun-17                                                            | 0/22  | 0/41                         | Yearly                   |
| Reovirus type 3 <sup>1</sup>                          | CRL            | PCR                          | Environmental     | 29-Jun-17                                                            | 0/22  | 0/41                         | Yearly                   |
| Sendai virus <sup>1</sup>                             | CRL            | PCR                          | Environmental     | 29-Jun-17                                                            | 0/22  | 0/41                         | Yearly                   |
| Theiler's murine encephalomyelitis virus <sup>1</sup> | CRL            | PCR                          | Environmental     | 25-Sep-17                                                            | 0/19  | 0/75                         | Quarterly                |

**Bacteria & fungi:**

|                                                                         |     |     |               |                    |      |      |        |
|-------------------------------------------------------------------------|-----|-----|---------------|--------------------|------|------|--------|
| $\beta$ -hemolytic <i>Streptococcus</i> spp. (not group D) <sup>1</sup> | CRL | PCR | Environmental | 29-Jun-17          | 0/22 | 0/41 | Yearly |
| <i>Bordetella bronchiseptica</i>                                        | CRL | PCR | Environmental | 29-Jun-17          | 0/22 | 0/41 | Yearly |
| <i>Bordetella hinzii</i>                                                | CRL | PCR | Environmental | 29-Jun-17          | 0/22 | 0/41 | Yearly |
| Cilia-associated respiratory bacillus                                   | CRL | PCR | Environmental | 29-Jun-17          | 0/22 | 0/41 | Yearly |
| <i>Citrobacter rodentium</i> <sup>1</sup>                               | CRL | PCR | Environmental | 29-Jun-17          | 0/22 | 0/41 | Yearly |
| <i>Clostridium piliforme</i> <sup>1</sup>                               | CRL | PCR | Environmental | 29-Jun-17          | 0/22 | 0/41 | Yearly |
| <i>Corynebacterium kutscheri</i> <sup>1</sup>                           | CRL | PCR | Environmental | 29-Jun-17          | 0/22 | 0/41 | Yearly |
| <i>Helicobacter</i> spp. <sup>1</sup>                                   |     |     |               | Enzootic in colony |      |      |        |
| <i>Klebsiella oxytoca</i>                                               | CRL | PCR | Environmental | 29-Jun-17          | 0/22 | 3/41 | Yearly |

1: The 2014 FELASA recommendations include these agents.

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### Testing Results (continued):

|                                                  |                |     |               | Most recent tests |                              | Historical results           |                   |
|--------------------------------------------------|----------------|-----|---------------|-------------------|------------------------------|------------------------------|-------------------|
| Tested subject                                   |                |     |               |                   |                              | Collected over 18 months     |                   |
| (sentinel, colony animal, environmental, etc.)   |                |     |               |                   |                              |                              |                   |
| Testing Laboratory                               | Testing method |     |               | Date              | No. positives/<br>No. tested | No. positives/<br>No. tested | Testing frequency |
| <b>Bacteria &amp; Fungi (continued)</b>          |                |     |               |                   |                              |                              |                   |
| <i>Klebsiella pneumoniae</i>                     | CRL            | PCR | Environmental | 29-Jun-17         | 0/22                         | 2/41                         | Yearly            |
| <i>Mycoplasma pulmonis</i> <sup>1</sup>          | CRL            | PCR | Environmental | 29-Jun-17         | 0/22                         | 0/41                         | Yearly            |
| <i>Pasteurella pneumotropica</i> <sup>1</sup>    | CRL            | PCR | Environmental | 25-Sep-17         | 19/19                        | 75/75                        | Quarterly         |
| <i>Pseudomonas aeruginosa</i>                    | CRL            | PCR | Environmental | 29-Jun-17         | 0/22                         | 0/41                         | Yearly            |
| <i>Pneumocystis murina</i>                       | CRL            | PCR | Environmental | 29-Jun-17         | 0/22                         | 0/41                         | Yearly            |
| <i>Salmonella</i> spp. <sup>1</sup>              | CRL            | PCR | Environmental | 29-Jun-17         | 0/22                         | 0/41                         | Yearly            |
| <i>Staphylococcus aureus</i>                     | CRL            | PCR | Environmental | 29-Jun-17         | 0/22                         | 2/41                         | Yearly            |
| <i>Streptobacillus moniliformis</i> <sup>1</sup> | CRL            | PCR | Environmental | 29-Jun-17         | 0/22                         | 0/41                         | Yearly            |
| <i>Streptococcus pneumoniae</i> <sup>1</sup>     | CRL            | PCR | Environmental | 29-Jun-17         | 0/22                         | 0/41                         | Yearly            |

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

#### Mites

|                             |     |     |               |           |      |      |           |
|-----------------------------|-----|-----|---------------|-----------|------|------|-----------|
| <i>Myobia musculi</i>       | CRL | PCR | Environmental | 25-Sep-17 | 0/19 | 0/75 | Quarterly |
| <i>Myocoptes musculinus</i> | CRL | PCR | Environmental | 25-Sep-17 | 0/19 | 0/75 | Quarterly |
| <i>Radfordia affinis</i>    | CRL | PCR | Environmental | 25-Sep-17 | 0/19 | 0/75 | Quarterly |

#### Pinworms

|                               |     |     |               |           |      |      |           |
|-------------------------------|-----|-----|---------------|-----------|------|------|-----------|
| <i>Aspicularis tetraptera</i> | CRL | PCR | Environmental | 25-Sep-17 | 0/19 | 0/75 | Quarterly |
| <i>Syphacia oblevata</i>      | CRL | PCR | Environmental | 25-Sep-17 | 0/19 | 0/75 | Quarterly |

#### Protozoan

|                             |     |     |               |            |      |       |           |
|-----------------------------|-----|-----|---------------|------------|------|-------|-----------|
| <i>Entamoeba muris</i>      | CRL | PCR | Environmental | 25-Sep-17  | 2/19 | 23/75 | Quarterly |
| <i>Giardia muris</i>        | CRL | PCR | Environmental | 29-Jun-17  | 0/22 | 0/60  | Yearly    |
| <i>Spironucleus muris</i>   | CRL | PCR | Environmental | 25-Sep-17  | 0/19 | 0/75  | 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. ganmani*, *H. hepaticus*, *H. mastomyrinus*, *H. typhlonius*.

1: The 2014 FELASA recommendations include these agents.