

## Health Monitoring Report for Mice

Institution: Harvard University Faculty of Arts and Sciences

Date: 27 December 2023

### Microbiological Entity/Unit

Building: BRI

Room(s): POD 5: 1501, 1508

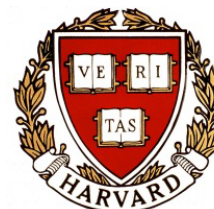
### Entity/Unit type (mark the correct type) :

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 |                              |
|-------------------------------------------------------|------|------------------------------|-------------------|--------------------|----------------|--------------------|------------------------------|
|                                                       |      |                              |                   | Testing Laboratory | Testing method | Tested subject     | No. positives/<br>No. tested |
| (sentinel, colony animal, environmental, etc.)        | Date | No. positives/<br>No. tested | Testing frequency |                    |                |                    |                              |
| Viruses :                                             |      |                              |                   |                    |                |                    |                              |
| Ectromelia virus <sup>1</sup>                         | CRL  | PCR                          | Environmental     | 24-Mar-23          | 0/9            | 0/9                | Yearly                       |
| Hantaviruses                                          | CRL  | PCR                          | Environmental     | 27-Dec-23          | 0/2            | 0/19               | Quarterly                    |
| K virus                                               |      |                              |                   | Not tested         |                |                    |                              |
| Lactate dehydrogenase elevating virus                 |      |                              |                   | Not tested         |                |                    |                              |
| Lymphocytic choriomeningitis virus <sup>1</sup>       | CRL  | PCR                          | Environmental     | 24-Mar-23          | 0/9            | 0/9                | Yearly                       |
| Mouse adenovirus (type 1 and 2) <sup>1</sup>          | CRL  | PCR                          | Environmental     | 24-Mar-23          | 0/9            | 0/9                | Yearly                       |
| Mouse cytomegalovirus                                 |      |                              |                   | Not tested         |                |                    |                              |
| Mouse hepatitis virus <sup>1</sup>                    | CRL  | PCR                          | Environmental     | 27-Dec-23          | 0/2            | 0/19               | Quarterly                    |
| Mouse norovirus <sup>1</sup>                          | CRL  | PCR                          | Environmental     | 27-Dec-23          | 0/2            | 0/19               | Quarterly                    |
| Mouse rotavirus <sup>1</sup>                          | CRL  | PCR                          | Environmental     | 27-Dec-23          | 0/2            | 0/19               | Quarterly                    |
| Mouse thymic virus                                    |      |                              |                   | Not tested         |                |                    |                              |
| Parvovirus <sup>1</sup>                               | CRL  | PCR                          | Environmental     | 27-Dec-23          | 0/2            | 0/19               | Quarterly                    |
| - MuCPV                                               | CRL  | PCR                          | Environmental     | 27-Dec-23          | 0/2            | 0/19               | Quarterly                    |
| - MPV <sup>1</sup>                                    | CRL  | PCR                          | Environmental     | 27-Dec-23          | 0/2            | 0/19               | Quarterly                    |
| - MVM <sup>1</sup>                                    | CRL  | PCR                          | Environmental     | 27-Dec-23          | 0/2            | 0/19               | Quarterly                    |
| Polyoma virus                                         |      |                              |                   | Not tested         |                |                    |                              |
| Pneumonia virus of mice <sup>1</sup>                  | CRL  | PCR                          | Environmental     | 24-Mar-23          | 0/9            | 0/9                | Yearly                       |
| Reovirus type 3 <sup>1</sup>                          | CRL  | PCR                          | Environmental     | 24-Mar-23          | 0/9            | 0/9                | Yearly                       |
| Sendai virus <sup>1</sup>                             | CRL  | PCR                          | Environmental     | 24-Mar-23          | 0/9            | 0/9                | Yearly                       |
| Theiler's murine encephalomyelitis virus <sup>1</sup> | CRL  | PCR                          | Environmental     | 27-Dec-23          | 0/2            | 0/19               | Quarterly                    |

### Bacteria & fungi:

|                                                                  |     |     |               |                    |     |     |        |
|------------------------------------------------------------------|-----|-----|---------------|--------------------|-----|-----|--------|
| β-hemolytic <i>Streptococcus</i> spp. (not group D) <sup>1</sup> | CRL | PCR | Environmental | 24-Mar-23          | 0/9 | 0/9 | Yearly |
| <i>Bordetella bronchiseptica</i>                                 | CRL | PCR | Environmental | 24-Mar-23          | 0/9 | 0/9 | Yearly |
| <i>Bordetella pseudohinzii</i>                                   | CRL | PCR | Environmental | 24-Mar-23          | 0/9 | 0/9 | Yearly |
| <i>Citrobacter rodentium</i> <sup>1</sup>                        | CRL | PCR | Environmental | 24-Mar-23          | 0/9 | 0/9 | Yearly |
| <i>Clostridium piliforme</i> <sup>1</sup>                        | CRL | PCR | Environmental | 24-Mar-23          | 0/9 | 0/9 | Yearly |
| <i>Corynebacterium kutscheri</i> <sup>1</sup>                    | CRL | PCR | Environmental | 24-Mar-23          | 0/9 | 0/9 | Yearly |
| <i>Filobacterium rodentium</i> **                                | CRL | PCR | Environmental | 24-Mar-23          | 0/9 | 0/9 | Yearly |
| <i>Helicobacter</i> spp. <sup>1</sup>                            |     |     |               | Enzootic in colony |     |     |        |
| <i>Klebsiella oxytoca</i>                                        | CRL | PCR | Environmental | 24-Mar-23          | 2/9 | 2/9 | Yearly |

1: The 2014 FELASA recommendations include these agents.

\*Agents formerly known as *Pasteurella pneumotropica*, Heyl and Jawetz

\*\*Agent formerly known as CAR bacillus

## Health Monitoring Report for Mice

Institution: Harvard University Faculty of Arts and Sciences

Date: 27 December 2023

Microbiological Entity/Unit

Building: BRI

Room(s): POD 5: 1501, 1508



### 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 & Fungi (continued)                      |                |                                                |               |                              |                              |                          |           |
| <i>Klebsiella pneumoniae</i>                      | CRL            | PCR                                            | Environmental | 24-Mar-23                    | 0/9                          | 0/9                      | Yearly    |
| <i>Lawsonia intracellularis</i>                   | CRL            | PCR                                            | Environmental | 24-Mar-23                    | 0/9                          | 0/9                      | Yearly    |
| <i>Mycoplasma pulmonis</i> <sup>1</sup>           | CRL            | PCR                                            | Environmental | 24-Mar-23                    | 0/9                          | 0/9                      | Yearly    |
| <i>Rodentibacter heylii</i> <sup>1*</sup>         | CRL            | PCR                                            | Environmental | 27-Dec-23                    | 0/2                          | 7/19                     | Quarterly |
| <i>Rodentibacter pneumotropicus</i> <sup>1*</sup> | CRL            | PCR                                            | Environmental | 27-Dec-23                    | 0/2                          | 0/19                     | Quarterly |
| <i>Pseudomonas aeruginosa</i>                     | CRL            | PCR                                            | Environmental | 24-Mar-23                    | 0/9                          | 0/9                      | Yearly    |
| <i>Pneumocystis murina</i>                        | CRL            | PCR                                            | Environmental | 24-Mar-23                    | 0/9                          | 0/9                      | Yearly    |
| <i>Salmonella</i> spp. <sup>1</sup>               | CRL            | PCR                                            | Environmental | 24-Mar-23                    | 0/9                          | 0/9                      | Yearly    |
| <i>Staphylococcus aureus</i>                      | CRL            | PCR                                            | Environmental | 24-Mar-23                    | 0/9                          | 0/9                      | Yearly    |
| <i>Streptobacillus moniliformis</i> <sup>1</sup>  | CRL            | PCR                                            | Environmental | 24-Mar-23                    | 0/9                          | 0/9                      | Yearly    |
| <i>Streptococcus pneumoniae</i> <sup>1</sup>      | CRL            | PCR                                            | Environmental | 24-Mar-23                    | 0/9                          | 0/9                      | Yearly    |

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

#### Mites

|                             |     |     |               |           |     |      |           |
|-----------------------------|-----|-----|---------------|-----------|-----|------|-----------|
| <i>Myobia musculi</i>       | CRL | PCR | Environmental | 27-Dec-23 | 0/2 | 0/19 | Quarterly |
| <i>Myocoptes musculinus</i> | CRL | PCR | Environmental | 27-Dec-23 | 0/2 | 0/19 | Quarterly |
| <i>Radfordia affinis</i>    | CRL | PCR | Environmental | 27-Dec-23 | 0/2 | 0/19 | Quarterly |

#### Pinworms

|                               |     |     |               |           |     |      |           |
|-------------------------------|-----|-----|---------------|-----------|-----|------|-----------|
| <i>Aspicularis tetraptera</i> | CRL | PCR | Environmental | 27-Dec-23 | 0/2 | 0/19 | Quarterly |
| <i>Syphacia oblevata</i>      | CRL | PCR | Environmental | 27-Dec-23 | 0/2 | 0/19 | Quarterly |

#### Protozoan

|                           |     |     |               |            |     |      |           |
|---------------------------|-----|-----|---------------|------------|-----|------|-----------|
| <i>Entamoeba muris</i>    | CRL | PCR | Environmental | 27-Dec-23  | 2/2 | 6/19 | Quarterly |
| <i>Giardia muris</i>      | CRL | PCR | Environmental | 24-Mar-23  | 0/9 | 0/9  | Yearly    |
| <i>Spironucleus muris</i> | CRL | PCR | Environmental | 27-Dec-23  | 0/2 | 0/19 | Quarterly |
| <i>Trichomonas muris</i>  |     |     |               | Not tested |     |      |           |

#### Other parasites

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

|                             |     |     |               |           |     |      |           |
|-----------------------------|-----|-----|---------------|-----------|-----|------|-----------|
| <i>Leptospira</i> spp.      | CRL | PCR | Environmental | 27-Dec-23 | 0/2 | 2/19 | Quarterly |
| <i>Cryptosporidium</i> spp. | CRL | PCR | Environmental | 27-Dec-23 | 0/2 | 0/19 | Quarterly |

### Pathology:

### Additional comments:

Area contains *Mus* and *Peromyscus* spp. *Helicobacter* spp. enzootically present in the colony: *H. ganmani*, *H. mastomyrinus*, *H. typhlonius*. Regular testing for this pod now includes MuCPV and *Lawsonia intracellularis*.

1: The 2014 FELASA recommendations include these agents.

\*Agents formerly known as *Pasteurella pneumotropica*, Heyl and Jawetz

\*\*Agent formerly known as CAR bacillus