

## Health Monitoring Report for Mice

Institution: Harvard Medical School-Warren Alpert Building 200 Longwood Ave. Boston, MA 02115 USA

Date: 23 April 2024

### Microbiological Entity/Unit

Building: WAB  
 Room(s):  
 08A,08B,10,14,17,71,72B,73,74A,75,76A,77,78,G  
 oldenson573  
**Barrier Facility**

Entity/Unit type (mark the correct type):

Barrier-IVC

Isolator



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

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### Testing Results:

	Testing Laboratory	Testing method	Tested subject <small>(sentinel, colony animal, environmental, etc.)</small>	Most recent tests		Historical results	
				Date	No. positives/ No. tested	No. positives/ No. tested	Testing frequency
<b>Viruses :</b>							
Ectromelia virus <sup>1</sup>	CRL	MFIA	Sentinel	28-Sep-23	0/0	0/60	Annually
Hantaviruses				Not tested			
K virus	CRL	MFIA	Sentinel	28-Sep-23	0/0	0/60	Annually
Lactate dehydrogenase elevating virus				Not tested			
Lymphocytic choriomeningitis virus <sup>1</sup>	CRL	MFIA	Sentinel	28-Sep-23	0/0	0/60	Annually
Mouse adenovirus (type 1) <sup>1</sup>	CRL	MFIA	Sentinel	28-Sep-23	0/0	0/60	Annually
Mouse adenovirus (type 2) <sup>1</sup>	CRL	MFIA	Sentinel	28-Sep-23	0/0	0/60	Annually
Mouse cytomegalovirus				Not tested			
Mouse hepatitis virus <sup>1</sup>	CRL	MFIA	Sentinel	20-Mar-24	0/60	0/476	Quarterly
Mouse norovirus <sup>1</sup>				Present in Facility			
Mouse rotavirus <sup>1</sup>	CRL	MFIA	Sentinel	20-Mar-24	0/60	0/476	Quarterly
Mouse thymic virus				Not tested			
Parvovirus <sup>1</sup>	CRL	MFIA	Sentinel	20-Mar-24	0/60	0/476	Quarterly
- NS1	CRL	MFIA	Sentinel	20-Mar-24	0/60	0/476	Quarterly
- MPV <sup>1</sup>	CRL	MFIA	Sentinel	20-Mar-24	0/60	0/476	Quarterly
- MVM <sup>1</sup>	CRL	MFIA	Sentinel	20-Mar-24	0/60	0/476	Quarterly
Polyoma virus	CRL	MFIA	Sentinel	28-Sep-23	0/0	0/60	Annually
Pneumonia virus of mice <sup>1</sup>	CRL	MFIA	Sentinel	20-Mar-24	0/60	0/476	Quarterly
Reovirus type 3 <sup>1</sup>	CRL	MFIA	Sentinel	20-Mar-24	0/60	0/476	Quarterly
Sendai virus <sup>1</sup>	CRL	MFIA	Sentinel	20-Mar-24	0/60	0/476	Quarterly
Theiler's murine encephalomyelitis virus <sup>1</sup>	CRL	MFIA	Sentinel	20-Mar-24	0/60	0/476	Quarterly

### Bacteria & fungi:

$\beta$ -hemolytic <i>Streptococcus</i> spp. (not group D) <sup>1</sup>					Not tested		
<i>Bordetella bronchiseptica</i>					Not tested		
<i>Bordetella hinzii</i>					Not tested		
Cilia-associated respiratory bacillus					Not tested		
<i>Citrobacter rodentium</i> <sup>1</sup>					Not tested		
<i>Clostridium piliforme</i> <sup>1</sup>					Not tested		
<i>C. bovis</i>	CRL	MFIA	Sentinel	20-Mar-24	0/60	0/476	Quarterly
<i>Corynebacterium kutscheri</i> <sup>1</sup>					Not tested		
<i>Helicobacter</i> spp. <sup>1</sup>					Not tested		
<i>Klebsiella oxytoca</i>					Not tested		

1: The 2014 FELASA recommendations include these agents.

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### Testing Results (continued):

	Tested subject			Most recent tests		Historical results	
	Testing Laboratory	Testing method	(sentinel, colony animal, environmental, etc.)	Date	No. positives/ No. tested	No. positives/ No. tested	Testing frequency
<b>Bacteria &amp; fungi (continued)</b>							
<i>Klebsiella pneumoniae</i>					Not tested		
<i>Mycoplasma pulmonis</i> <sup>1</sup>	CRL	MFIA	Sentinel	20-Mar-24	0/60	0/476	Quarterly
<i>Pasteurella pneumotropica</i> <sup>1</sup>					Not tested		
<i>Pseudomonas aeruginosa</i>					Not tested		
<i>Pneumocystis murina</i>					Not tested		
<i>Salmonella</i> spp. <sup>1</sup>					Not tested		
<i>Staphylococcus aureus</i>					Not tested		
<i>Streptobacillus moniliformis</i> <sup>1</sup>					Not tested		
<i>Streptococcus pneumoniae</i> <sup>1</sup>					Not tested		

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

#### Mites

<i>Myobia musculi</i>	CRL	Micro/PCR	Sentinel	20-Mar-24	0/60	0/476	Quarterly
<i>Myocoptes musculinus</i>	CRL	Micro/PCR	Sentinel	20-Mar-24	0/60	0/476	Quarterly
<i>Radfordia affinis</i>	CRL	Micro/PCR	Sentinel	20-Mar-24	0/60	0/476	Quarterly

#### Pinworms

<i>Aspiculuris tetraptera</i>	CRL	Micro/PCR	Sentinel	20-Mar-24	0/60	0/476	Quarterly
<i>Syphacia oblevata</i>	CRL	Micro/PCR	Sentinel	20-Mar-24	0/60	0/476	Quarterly

#### Protozoan

<i>Entamoeba muris</i>					Not tested		
<i>Giardia muris</i>					Not tested		
<i>Spironucleus muris</i>					Not tested		
<i>Tritrichomonas muris</i>					Not tested		

### Parasite testing:

Microscopic evaluation of samples from individual sentinels is supplemented by PCR evaluation of samples from sentinels pooled by room. The number of samples corresponds to the number of sentinels examined by microscopic methods.

### Additional comments:

Aspiculuris was identified in a rack located in an in-and-out room (B10) isolated from the barrier facility in Q1 of 2018 and again in Q3 of 2020. In June, 2018 the affected rack completed pinworm treatment (fenbendazole medicated feed for 8 consecutive weeks). Subsequent (Q2) sentinel surveillance in 2018 and 2019 returned negative results for pinworms (PCR, fecal floatation, and cecal content examination) for the affected rack. In Q3 2020, Aspiculuris has again been documented in the same in-and-out room. PCR testing of rack plenums in B10 for pinworms returned negative for Q4 of 2020.

Extended surveillance performed during Q3 with normal testing schedule resuming after.

1: The 2014 FELASA recommendations include these agents.