



# Reproductive Sciences (RS)

## Health Report

Area: G200

### HEALTH STATUS

- PATHOGEN & OPPORTUNIST FREE
- PATHOGEN FREE

### BARRIER LEVEL

- MAXIMUM BARRIER
- HIGH BARRIER
- STANDARD BARRIER

Please consult our website for descriptions of our health statuses and barrier levels.

### PATHOGENS AND OTHER ORGANISMS- EXCLUDED FROM ALL BARRIERS (SHIPPING STOPPED)

If one of these organisms is found in Reproductive Sciences facilities, all shipments are suspended and customers are notified.\*

Organism	Sample Tested	Test Method	Frequency	Test Results: #positive/#tested				Previous 12 months
				Apr 8 '24	Feb 26 '24	Jan 1 '24	Nov 20 '23	
<b>VIRUSES</b>								
Ectromelia virus	Serum	MFI	6 weeks	0/224	0/289	0/216	0/218	0/2020
GDVII (Theiler's) virus	Serum	MFI	6 weeks	0/224	0/289	0/216	0/218	0/2020
Hantaan virus	Serum	MFI	6 weeks	0/224	0/289	0/216	0/218	0/2020
K virus	Serum	ELISA	6 weeks	0/224	0/289	0/216	0/218	0/2020
LDH elevating virus (LDEV)	Serum	PCR	annually	0/10	-	-	-	0/10
Lymphocytic choriomeningitis (LCMV)	Serum	MFI	6 weeks	0/224	0/289	0/216	0/218	0/2020
Mouse adenovirus (MAV)	Serum	MFI	6 weeks	0/224	0/289	0/216	0/218	0/2020
Mouse cytomegalovirus (MCMV)	Serum	MFI	6 weeks	0/224	0/289	0/216	0/218	0/2020
Murine chapparravirus (MuCPV)	Cecum or feces	PCR	6 weeks	0/224	0/289	0/216	0/218	0/2020
Mouse hepatitis virus (MHV)	Serum	MFI	6 weeks	0/224	0/289	0/216	0/218	0/2020
Mouse minute virus (MMV)	Serum	MFI	6 weeks	0/224	0/289	0/216	0/218	0/2020
Mouse norovirus (MNV)	Serum	MFI	6 weeks	0/224	0/289	0/216	0/218	0/2020
Mouse parvovirus (MPV)	Serum	MFI	6 weeks	0/224	0/289	0/216	0/218	0/2020
Mouse parvovirus (MPV)†	Lymph node	PCR	6 weeks	0/06	0/06	0/12	0/06	0/66
Mouse thymic virus (MTV)	Serum	IFA	6 weeks	0/224	0/289	0/216	0/218	0/2019
Pneumonia virus of mice (PVM)	Serum	MFI	6 weeks	0/224	0/289	0/216	0/218	0/2020
Polyoma virus	Serum	ELISA	6 weeks	0/224	0/289	0/216	0/218	0/2020
Reovirus 3 (REO 3)	Serum	MFI	6 weeks	0/224	0/289	0/216	0/218	0/2020
Rotavirus (EDIM)	Serum	MFI	6 weeks	0/224	0/289	0/216	0/218	0/2020
Sendai virus	Serum	MFI	6 weeks	0/224	0/289	0/216	0/218	0/2020
<b>BACTERIA &amp; MYCOPLASMA</b>								
<i>Bordetella</i> spp.	Oropharynx	Culture	6 weeks	0/224	0/289	0/216	0/218	0/2020
<i>Citrobacter rodentium</i>	Intestine or feces	Culture	6 weeks	0/658	0/884	0/648	0/650	0/5908
<i>Clostridium piliforme</i>	Serum	ELISA	6 weeks	0/224	0/289	0/216	0/218	0/2020
<i>Corynebacterium bovis</i> †	Skin	PCR	6 weeks	0/06	0/06	0/12	0/06	0/66
<i>Corynebacterium kutscheri</i>	Oropharynx	Culture	6 weeks	0/224	0/289	0/216	0/218	0/2020
<i>Filobacterium rodentium</i> (CAR bacillus)	Serum	MFI	6 weeks	0/224	0/289	0/216	0/218	0/2020
<i>Mycoplasma pulmonis</i>	Serum	MFI	6 weeks	0/224	0/289	0/216	0/218	0/2020
<i>Mycoplasma</i> spp.	Lung	PCR	semi-annual	-	0/06	-	-	0/12
<i>Salmonella</i> spp.	Intestine or feces	Culture	6 weeks	0/658	0/884	0/648	0/650	0/5908
<i>Streptobacillus moniliformis</i>	Oropharynx	Culture	6 weeks	0/224	0/289	0/216	0/218	0/2020

[\\*Additional details regarding our health monitoring program and shipping policy.](#)

†The indicated tests are only performed in rooms that house immunodeficient mice.

Organism	Sample Tested	Test Method	Frequency	Apr 8 '24	Feb 26 '24	Jan 1 '24	Nov 20 '23	Previous 12 months
<b>PARASITES</b>								
<i>Encephalitozoon cuniculi</i>	Serum	MFI	6 weeks	0/224	0/289	0/216	0/218	0/2020
Ectoparasites (fleas, lice, mites)	Fur	Visual	6 weeks	0/224	0/289	0/216	0/218	0/2020
Endoparasites (tapeworms, pinworms, and other helminths)	Intestine or cecum	Visual	6 weeks	0/224	0/289	0/216	0/218	0/2020
Follicle mites	Subcutis	Visual	6 weeks	0/224	0/395	0/216	0/218	0/2034
Protozoa (e.g., Giardia, Spironucleus, etc.)	Intestine	Microscopy	6 weeks	0/224	0/289	0/216	0/218	0/2020
<i>Toxoplasma gondii</i> ‡	Serum	ELISA	semi-annual	-	0/06	-	-	0/12

### OPPORTUNISTIC ORGANISMS MONITORED (SHIPPING NOT STOPPED)

All of these organisms are excluded from Reproductive Sciences facilities. When a confirmed finding of an excluded organism is made, an investigation is undertaken to identify and eliminate all infected mice from the barrier. Confirmed positive results- including results from investigations- are noted in this report, but shipping from the area is not suspended.\*

Organism	Sample Tested	Test Method	Frequency	Apr 8 '24	Feb 26 '24	Jan 1 '24	Nov 20 '23	Previous 12 months
Dermatophytes	Skin swabs	Culture	semi-annual	-	0/06	-	-	0/12
<i>Helicobacter</i> spp.	Intestine or feces	PCR	6 weeks	0/224	0/289	0/216	0/218	0/2020
<i>Klebsiella pneumoniae</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/658	0/884	0/648	0/650	0/5908
<i>Klebsiella oxytoca</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/658	0/884	0/648	0/650	0/5908
<i>Pasteurella multocida</i>	Oropharynx	Culture	6 weeks	0/224	0/289	0/216	0/218	0/2020
<i>Rodentibacter pneumotropicus</i> / <i>Rodentibacter heyltii</i>	Oropharynx	Culture	6 weeks	0/224	0/289	0/216	0/218	0/2020
<i>Pneumocystis murina</i> †	Lung	PCR	6 weeks	0/06	0/06	0/12	0/06	0/66
<i>Proteus mirabilis</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/658	0/884	0/648	0/650	0/5908
<i>Pseudomonas aeruginosa</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/658	0/884	0/648	0/650	0/5908
<i>Staphylococcus aureus</i>	Oropharynx	Culture	6 weeks	0/224	0/289	0/216	0/218	0/2020
<i>Streptococcus pneumoniae</i>	Oropharynx	Culture	6 weeks	0/224	0/289	0/216	0/218	0/2020
Beta-hemolytic <i>Streptococcus</i> spp. (non-group D)	Oropharynx	Culture	6 weeks	0/224	0/289	0/216	0/218	0/2020
Trichomonads	Intestine	Microscopy	6 weeks	0/224	0/289	0/216	0/218	0/2020
<i>Yersinia enterocolitica</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/658	0/884	0/648	0/650	0/5908
<i>Yersinia pseudotuberculosis</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/658	0/884	0/648	0/650	0/5908

†The indicated tests are only performed in rooms that house immunodeficient mice.

§ Testing for this organisms is also performed by PCR

‡This testing is performed by an outside vendor

### EMBRYO WASH TESTING

All embryos undergo extensive washing before implantation into mice. A confirmed positive finding for excluded organisms in the embryo wash fluid will initiate an investigation of the mouse colonies in G200. Confirmed positive results in mice- including results from investigations- would be noted in this report and shipping will be suspended.

Organism	Sample Tested	Test Method	Frequency	Apr 8 '24	Feb 26 '24	Jan 1 '24	Nov 20 '23	Previous 12 months
Mouse Pathogen Panel‡	Final wash fluid or embryos	PCR	6 weeks	0/833	0/985	0/776	0/749	0/6991

‡The Mouse Pathogen Panel utilizes qPCR for detection of Ectromelia virus, LDEV, LCMV, MAV, MCMV, MuCPV, MHV, MMV, MNV, MPV, MTV, PVM, Polyoma virus, Reovirus, EDIM, Sendai virus, TMEV, *Mycoplasma* and *Helicobacter* in wash fluids and embryos from IVF-derived mouse embryos, cryopreserved embryos, and microinjected embryos for implantation into pseudopregnant foster mothers.

All tests were performed by The Jackson Laboratory

James R. Fahey, MS, PhD, DVM, DACVM  
Chief of Diagnostic Services & Associate Director  
Comparative Medicine & Quality

G200

The Jackson Laboratory  
600 Main Street  
Bar Harbor, ME 04609  
1-800-422-6423