



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
				Jul 1 '24	May 20 '24	Apr 8 '24	Feb 26 '24	
VIRUSES								
Ectromelia virus	Serum	MFI	6 weeks	0/219	0/213	0/224	0/289	0/2017
GDVII (Theiler's) virus	Serum	MFI	6 weeks	0/219	0/213	0/224	0/289	0/2017
Hantaan virus	Serum	MFI	6 weeks	0/219	0/213	0/224	0/289	0/2017
K virus	Serum	ELISA	6 weeks	0/219	0/213	0/224	0/289	0/2017
LDH elevating virus (LDEV)	Serum	PCR	annually	-	-	0/10	-	0/10
Lymphocytic choriomeningitis (LCMV)	Serum	MFI	6 weeks	0/219	0/213	0/224	0/289	0/2017
Mouse adenovirus (MAV)	Serum	MFI	6 weeks	0/219	0/213	0/224	0/289	0/2017
Mouse cytomegalovirus (MCMV)	Serum	MFI	6 weeks	0/219	0/213	0/224	0/289	0/2017
Murine chapparovirus (MuCPV)	Cecum or feces	PCR	6 weeks	0/219	0/213	0/224	0/289	0/2017
Mouse hepatitis virus (MHV)	Serum	MFI	6 weeks	0/219	0/213	0/224	0/289	0/2017
Mouse minute virus (MMV)	Serum	MFI	6 weeks	0/219	0/213	0/224	0/289	0/2017
Mouse norovirus (MNV)	Serum	MFI	6 weeks	0/219	0/213	0/224	0/289	0/2017
Mouse parvovirus (MPV)	Serum	MFI	6 weeks	0/219	0/213	0/224	0/289	0/2017
Mouse parvovirus (MPV)†	Lymph node	PCR	6 weeks	0/10	0/12	0/06	0/06	0/72
Mouse thymic virus (MTV)	Serum	IFA	6 weeks	0/219	0/213	0/224	0/289	0/2016
Pneumonia virus of mice (PVM)	Serum	MFI	6 weeks	0/219	0/213	0/224	0/289	0/2017
Polyoma virus	Serum	ELISA	6 weeks	0/219	0/213	0/224	0/289	0/2017
Reovirus 3 (REO 3)	Serum	MFI	6 weeks	0/219	0/213	0/224	0/289	0/2017
Rotavirus (EDIM)	Serum	MFI	6 weeks	0/219	0/213	0/224	0/289	0/2017
Sendai virus	Serum	MFI	6 weeks	0/219	0/213	0/224	0/289	0/2017
BACTERIA & MYCOPLASMA								
<i>Bordetella</i> spp.	Oropharynx	Culture	6 weeks	0/219	0/213	0/224	0/289	0/2017
<i>Citrobacter rodentium</i>	Intestine or feces	Culture	6 weeks	0/651	0/645	0/658	0/884	0/5905
<i>Clostridium piliforme</i>	Serum	ELISA	6 weeks	0/219	0/213	0/224	0/289	0/2017
<i>Corynebacterium bovis</i> †	Skin	PCR	6 weeks	0/10	0/12	0/06	0/06	0/72
<i>Corynebacterium kutscheri</i>	Oropharynx	Culture	6 weeks	0/219	0/213	0/224	0/289	0/2017
<i>Filobacterium rodentium</i> (CAR bacillus)	Serum	MFI	6 weeks	0/219	0/213	0/224	0/289	0/2017
<i>Mycoplasma pulmonis</i>	Serum	MFI	6 weeks	0/219	0/213	0/224	0/289	0/2017
<i>Mycoplasma</i> spp.	Lung	PCR	semi-annual	-	-	-	0/06	0/12
<i>Salmonella</i> spp.	Intestine or feces	Culture	6 weeks	0/651	0/645	0/658	0/884	0/5905
<i>Streptobacillus moniliformis</i>	Oropharynx	Culture	6 weeks	0/219	0/213	0/224	0/289	0/2017

[*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	Jul 1' 24	May 20 '24	Apr 8 '24	Feb 26 '24	Previous 12 months
PARASITES								
<i>Encephalitozoon cuniculi</i>	Serum	MFI	6 weeks	0/219	0/213	0/224	0/289	0/2017
Ectoparasites (fleas, lice, mites)	Fur	Visual	6 weeks	0/219	0/213	0/224	0/289	0/2017
Endoparasites (tapeworms, pinworms, and other helminths)	Intestine or cecum	Visual	6 weeks	0/219	0/213	0/224	0/289	0/2017
Follicle mites	Subcutis	Visual	6 weeks	0/219	0/213	0/224	0/395	0/2031
Protozoa (e.g., Giardia, Spironucleus, etc.)	Intestine	Microscopy	6 weeks	0/219	0/213	0/224	0/289	0/2017
<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	Jul 1' 24	May 20 '24	Apr 8 '24	Feb 26 '24	Previous 12 months
Dermatophytes	Skin swabs	Culture	semi-annual	-	-	-	0/06	0/12
<i>Helicobacter</i> spp.	Intestine or feces	PCR	6 weeks	0/229	0/213	0/224	0/289	0/2017
<i>Klebsiella pneumoniae</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/651	0/645	0/658	0/884	0/5905
<i>Klebsiella oxytoca</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/651	0/645	0/658	0/884	0/5905
<i>Pasteurella multocida</i>	Oropharynx	Culture	6 weeks	0/219	0/213	0/224	0/289	0/2017
<i>Rodentibacter pneumotropicus</i> / <i>Rodentibacter heyltii</i>	Oropharynx	Culture	6 weeks	0/219	0/213	0/224	0/289	0/2017
<i>Pneumocystis murina</i> †	Lung	PCR	6 weeks	0/10	0/12	0/06	0/06	0/72
<i>Proteus mirabilis</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/651	0/645	0/658	0/884	0/5905
<i>Pseudomonas aeruginosa</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/651	0/645	0/658	0/884	0/5905
<i>Staphylococcus aureus</i>	Oropharynx	Culture	6 weeks	0/219	0/213	0/224	0/289	0/2017
<i>Streptococcus pneumoniae</i>	Oropharynx	Culture	6 weeks	0/219	0/213	0/224	0/289	0/2017
Beta-hemolytic <i>Streptococcus</i> spp. (non-group D)	Oropharynx	Culture	6 weeks	0/219	0/213	0/224	0/289	0/2017
Trichomonads	Intestine	Microscopy	6 weeks	0/219	0/213	0/224	0/289	0/2017
<i>Yersinia enterocolitica</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/651	0/645	0/658	0/884	0/5905
<i>Yersinia pseudotuberculosis</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/651	0/645	0/658	0/884	0/5905

†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	Jul 1' 24	May 20 '24	Apr 8 '24	Feb 26 '24	Previous 12 months
Mouse Pathogen Panel‡	Final wash fluid or embryos	PCR	6 weeks	0/647	0/805	0/833	0/985	0/6902

‡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

Rosalinda A. Doty DVM, PhD, DACVP
Director, Diagnostic and Pathology Services

G200

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