



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					
				Apr 8 '19	Feb 25 '19	Jan 14 '19	Dec 3 '18	Previous 12 months	
VIRUSES									
Ectromelia virus	Serum	MFI	6 weeks	0/255	0/262	0/256	0/248	0/2528	
GDVII (Theiler's) virus	Serum	MFI	6 weeks	0/255	0/262	0/256	0/248	0/2528	
Hantaan virus	Serum	MFI	6 weeks	0/255	0/262	0/256	0/248	0/2528	
K virus	Serum	ELISA	6 weeks	0/255	0/260	0/256	0/248	0/2528	
LDH elevating virus (LDEV)	Serum	Enzyme	annually	0/10	-	-	-	0/10	
Lymphocytic choriomeningitis (LCMV)	Serum	MFI	6 weeks	0/255	0/262	0/256	0/248	0/2528	
Mouse adenovirus (MAV)	Serum	MFI	6 weeks	0/255	0/262	0/256	0/248	0/2528	
Mouse cytomegalovirus (MCMV)	Serum	MFI	6 weeks	0/255	0/262	0/256	0/248	0/2528	
Mouse hepatitis virus (MHV)	Serum	MFI	6 weeks	0/255	0/262	0/256	0/248	0/2528	
Mouse minute virus (MMV)	Serum	MFI	6 weeks	0/255	0/262	0/256	0/248	0/2528	
Mouse norovirus (MNV)	Serum	MFI	6 weeks	0/255	0/262	0/256	0/248	0/2528	
Mouse parvovirus (MPV)	Serum	MFI	6 weeks	0/255	0/262	0/256	0/248	0/2528	
Mouse parvovirus (MPV)†	Lymph node	PCR	6 weeks	0/06	0/06	-	0/12	0/56	
Mouse thymic virus (MTV)	Serum	IFA	6 weeks	0/255	0/262	0/256	0/248	0/2528	
Pneumonia virus of mice (PVM)	Serum	MFI	6 weeks	0/255	0/262	0/256	0/248	0/2528	
Polyoma virus	Serum	ELISA	6 weeks	0/255	0/262	0/256	0/248	0/2528	
Reovirus 3 (REO 3)	Serum	MFI	6 weeks	0/255	0/262	0/256	0/248	0/2528	
Rotavirus (EDIM)	Serum	MFI	6 weeks	0/255	0/262	0/256	0/248	0/2528	
Sendai virus	Serum	MFI	6 weeks	0/255	0/262	0/256	0/248	0/2528	
BACTERIA & MYCOPLASMA									
<i>Bordetella</i> spp.	Oropharynx	Culture	6 weeks	0/255	0/262	0/256	0/248	0/2529	
CAR bacillus	Serum	MFI	6 weeks	0/255	0/262	0/256	0/248	0/2528	
<i>Citrobacter rodentium</i>	Intestine or feces	Culture	6 weeks	0/687	0/694	0/616	0/680	0/6414	
<i>Clostridium piliforme</i>	Serum	ELISA	6 weeks	0/255	0/262	0/256	0/248	0/2528	
<i>Corynebacterium bovis</i>	Oropharynx/skin	Culture	6 weeks	0/255	0/262	0/256	0/248	0/2529	
<i>Corynebacterium kutscheri</i>	Oropharynx	Culture	6 weeks	0/255	0/262	0/256	0/248	0/2529	
<i>Helicobacter</i> spp.	Intestine or feces	PCR	6 weeks	0/255	0/262	0/256	0/248	0/2589	
<i>Mycoplasma pulmonis</i>	Serum	MFI	6 weeks	0/255	0/262	0/256	0/248	0/2528	
<i>Pasteurella</i> spp.	Oropharynx	Culture	6 weeks	0/255	0/262	0/256	0/248	0/2529	
<i>Salmonella</i> spp.	Intestine or feces	Culture	6 weeks	0/687	0/694	0/616	0/680	0/6414	
<i>Streptobacillus moniliformis</i>	Oropharynx	Culture	6 weeks	0/255	0/262	0/256	0/248	0/2529	

*Additional details regarding our health monitoring program and shipping policy.

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

Test Results: #positive/#tested

Organism	Sample Tested	Test Method	Frequency	Apr 8 '19	Feb 25 '19	Jan 14 '19	Dec 3 '18	Previous 12 months
PARASITES & PROTOZOA								
<i>Encephalitozoon cuniculi</i>	Serum	MFI	6 weeks	0/255	0/262	0/256	0/248	0/2528
Ectoparasites (fleas, lice, mites)	Fur	Visual	6 weeks	0/255	0/262	0/256	0/248	0/2529
Endoparasites (tapeworms, pinworms, and other helminths)	Intestine or cecum	Visual	6 weeks	0/255	0/262	0/256	0/248	0/2529
Follicle mites	Subcutis	Visual	6 weeks	0/255	0/262	0/256	0/248	0/2536
Opportunistic protozoa (e.g., <i>Giardia</i> , <i>Spiroplasma</i>)	Intestine	Microscopy	6 weeks	0/255	0/262	0/256	0/248	0/2529

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 '19	Feb 25 '19	Jan 14 '19	Dec 3 '18	Previous 12 months
<i>Klebsiella pneumoniae</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/687	0/694	0/616	0/680	0/6414
<i>Klebsiella</i> spp. other than <i>K. pneumoniae</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/687	0/694	0/616	0/680	0/6414
Nonpathogenic protozoa (e.g., Trichomonads)	Intestine	Microscopy	6 weeks	0/255	0/262	0/256	0/248	0/2529
<i>Pneumocystis murina</i> †	Lung	PCR	6 weeks	0/06	0/06	-	0/12	0/56
<i>Proteus mirabilis</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/687	0/694	0/616	0/680	0/6414
<i>Pseudomonas</i> spp.	Intestine or feces	Culture	6 weeks	0/687	0/694	0/616	0/680	0/6414
<i>Staphylococcus aureus</i>	Oropharynx	Culture	6 weeks	0/255	0/262	0/256	0/248	0/2529
<i>Streptococcus pneumoniae</i>	Oropharynx	Culture	6 weeks	0/255	0/262	0/256	0/248	0/2529
Beta-hemolytic <i>Streptococcus</i> spp. (non-group D)	Oropharynx	Culture	6 weeks	0/255	0/262	0/256	0/248	0/2529

Gross Pathology	Test Method	Frequency	Apr 8 '19	Feb 25 '19	Jan 14 '19	Dec 3 '18	Previous 12 months
Necropsy findings	Exam, histopath	6 weeks	0/255	0/262	0/256	0/248	0/2536

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 '19	Feb 25 '19	Jan 14 '19	Dec 3 '18	Previous 12 months
Mouse Pathogen Panel‡	Final wash fluid or embryos	PCR	6 weeks	0/681	0/947	0/719	0/690	0/6887

‡The Mouse Pathogen Panel utilizes qPCR for detection of Ectromelia virus, LDEV, LCMV, MAV, MCMV, 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