



JAX® Mice, Clinical & Research Services (JMCRS)

Production Health Report

Area: EM10

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 any JMCRS area, all shipments are suspended and customers are notified.*

Test Results: #positive/#tested								
Organism	Sample Tested	Test Method	Frequency	Apr 8 '24	Feb 26 '24	Jan 1 '24	Nov 20 '23	Previous 12 months
VIRUSES								
Ectromelia virus	Serum	MFI	6 weeks	0/19	0/20	0/19	0/19	0/176
GDVII (Theiler's) virus	Serum	MFI	6 weeks	0/19	0/20	0/19	0/19	0/176
Hantaan virus	Serum	MFI	6 weeks	0/19	0/20	0/19	0/19	0/176
K virus	Serum	ELISA	annually	-	0/20	-	-	0/54
LDH elevating virus (LDEV)	Serum	PCR	annually	0/10	-	-	-	0/0
Lymphocytic choriomeningitis (LCMV)	Serum	MFI	6 weeks	0/19	0/20	0/19	0/19	0/176
Mouse adenovirus (MAV)	Serum	MFI	6 weeks	0/19	0/20	0/19	0/19	0/176
Mouse cytomegalovirus (MCMV)	Serum	MFI	6 weeks	0/19	0/20	0/19	0/19	0/176
Murine chapparovirus (MuCPV)	Cecum or feces	PCR	6 weeks	0/08	0/07	0/06	0/06	0/103
Mouse hepatitis virus (MHV)	Serum	MFI	6 weeks	0/19	0/20	0/19	0/19	0/176
Mouse minute virus (MMV)	Serum	MFI	6 weeks	0/19	0/20	0/19	0/19	0/176
Mouse norovirus (MNV)	Serum	MFI	6 weeks	0/19	0/20	0/19	0/19	0/176
Mouse parvovirus (MPV)	Serum	MFI	6 weeks	0/19	0/20	0/19	0/19	0/176
Mouse parvovirus (MPV)†	Lymph node	PCR	6 weeks	0/08	0/07	0/06	0/07	0/109
Mouse thymic virus (MTV)	Serum	IFA	quarterly	-	0/20	0/19	-	0/68
Pneumonia virus of mice (PVM)	Serum	MFI	6 weeks	0/19	0/20	0/19	0/19	0/176
Polyoma virus	Serum	ELISA	annually	-	0/20	-	-	0/54
Reovirus 3 (REO 3)	Serum	MFI	6 weeks	0/19	0/20	0/19	0/19	0/176
Rotavirus (EDIM)	Serum	MFI	6 weeks	0/19	0/20	0/19	0/19	0/176
Sendai virus	Serum	MFI	6 weeks	0/18	0/20	0/19	0/19	0/176
BACTERIA & MYCOPLASMA								
<i>Bordetella</i> spp.	Oropharynx	Culture	6 weeks	0/27	0/27	0/25	0/26	0/398
<i>Citrobacter rodentium</i>	Intestine or feces	Culture	6 weeks	0/75	0/59	0/25	0/26	0/993
<i>Clostridium piliforme</i>	Serum	ELISA	quarterly	-	0/20	0/19	-	0/68
<i>Corynebacterium bovis</i> †¶	Skin	PCR	6 weeks	0/02	0/01	0/01	0/01	0/90
<i>Corynebacterium kutscheri</i>	Oropharynx	Culture	6 weeks	0/27	0/27	0/25	0/26	0/398
<i>Filobacterium rodentium</i> (CAR bacillus)	Serum	MFI	6 weeks	0/19	0/20	0/19	0/19	0/176
<i>Mycoplasma pulmonis</i>	Serum	MFI	6 weeks	0/19	0/20	0/19	0/19	0/176
<i>Mycoplasma</i> spp.	Lung	PCR	semi-annual	-	0/06	-	-	0/12
<i>Salmonella</i> spp.	Intestine or feces	Culture	6 weeks	0/75	0/59	0/25	0/26	0/993
<i>Streptobacillus moniliformis</i>	Oropharynx	Culture	6 weeks	0/27	0/27	0/25	0/26	0/398

*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 '24	Feb 26 '24	Jan 1 '24	Nov 20 '23	Previous 12 months
PARASITES								
<i>Encephalitozoon cuniculi</i>	Serum	MFI	6 weeks	0/19	0/20	0/19	0/19	0/176
Ectoparasites (fleas, lice, mites)	Fur	Visual	6 weeks	0/06	0/06	0/06	0/06	0/139
Endoparasites (tapeworms, pinworms§, and other helminths)	Intestine or cecum	Visual	6 weeks	0/06	0/06	0/06	0/06	0/139
Follicle mites	Subcutis	Visual	6 weeks	0/27	0/27	0/25	0/26	0/251
Protozoa (e.g., Giardia, Spironucleus, etc.)	Intestine	Microscopy	6 weeks	0/06	0/06	0/06	0/06	0/139
<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 JMCRS **maximum and high barriers**, and most are excluded from **standard barrier** areas. When a confirmed finding of an excluded organism is made, an investigation is undertaken to identify and eliminate all infected mice from the barrier. 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	0/08	0/07	0/06	0/06	0/103
<i>Klebsiella pneumoniae</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/75	0/59	0/25	0/26	0/1158
<i>Klebsiella oxytoca</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/75	0/59	0/25	0/26	0/1158
<i>Pasteurella multocida</i>	Oropharynx	Culture	6 weeks	0/27	0/27	0/25	0/26	0/398
<i>Rodentibacter pneumotropicus</i> / <i>Rodentibacter heylii</i>	Oropharynx	Culture	6 weeks	0/27	0/27	0/25	0/26	0/398
<i>Pneumocystis murina</i> †	Lung	PCR	6 weeks	0/08	0/07	0/06	0/07	0/109
<i>Proteus mirabilis</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/75	0/59	0/25	0/26	0/1158
<i>Pseudomonas aeruginosa</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/75	0/59	0/25	0/26	0/1158
<i>Staphylococcus aureus</i>	Oropharynx	Culture	6 weeks	0/27	0/27	0/25	0/26	0/398
<i>Streptococcus pneumoniae</i>	Oropharynx	Culture	6 weeks	0/27	0/27	0/25	0/26	0/398
Beta-hemolytic <i>Streptococcus</i> spp. (non-group D)	Oropharynx	Culture	6 weeks	0/27	0/27	0/25	0/26	0/398
Trichomonads	Intestine	Microscopy	6 weeks	0/06	0/06	0/06	0/06	0/139
<i>Yersinia enterocolitica</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/75	0/59	0/25	0/26	0/1158
<i>Yersinia pseudotuberculosis</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/75	0/59	0/25	0/26	0/1158

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

¶ One sample represents testing of 60 pooled animals

§ Testing for this organisms is also performed by PCR

‡This testing is performed by an outside vendor

All tests were performed by The Jackson Laboratory

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

EM10

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