



JAX® Mice, Clinical & Research Services (JMCRS)

Production Health Report

Area: EM12

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.*

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		
VIRUSES									
Ectromelia virus	Serum	MFI	6 weeks	0/21	0/15	0/15	0/16	0/153	
GDVII (Theiler's) virus	Serum	MFI	6 weeks	0/21	0/15	0/15	0/16	0/153	
Hantaan virus	Serum	MFI	6 weeks	0/21	0/15	0/15	0/16	0/153	
K virus	Serum	ELISA	annually	-	-	-	-	0/17	
LDH elevating virus (LDEV)	Serum	PCR	annually	0/10	-	-	-	0/10	
Lymphocytic choriomeningitis (LCMV)	Serum	MFI	6 weeks	0/21	0/15	0/15	0/16	0/153	
Mouse adenovirus (MAV)	Serum	MFI	6 weeks	0/21	0/15	0/15	0/16	0/153	
Mouse cytomegalovirus (MCMV)	Serum	MFI	6 weeks	0/21	0/15	0/15	0/16	0/153	
Murine chapparravirus (MuCPV)	Cecum or feces	PCR	6 weeks	0/07	0/15	0/15	0/06	0/54	
Mouse hepatitis virus (MHV)	Serum	MFI	6 weeks	0/21	0/15	0/15	0/16	0/153	
Mouse minute virus (MMV)	Serum	MFI	6 weeks	0/21	0/15	0/15	0/15	0/152	
Mouse norovirus (MNV)	Serum	MFI	6 weeks	0/21	0/15	0/15	0/16	0/153	
Mouse parvovirus (MPV)	Serum	MFI	6 weeks	0/21	0/15	0/15	0/16	0/153	
Mouse parvovirus (MPV)†	Lymph node	PCR	6 weeks	0/04	0/15	0/15	0/10	0/84	
Mouse thymic virus (MTV)	Serum	IFA	quarterly	-	0/15	0/15	-	0/68	
Pneumonia virus of mice (PVM)	Serum	MFI	6 weeks	0/21	0/15	0/15	0/16	0/152	
Polyoma virus	Serum	ELISA	annually	-	-	-	-	0/17	
Reovirus 3 (REO 3)	Serum	MFI	6 weeks	0/21	0/15	0/15	0/16	0/153	
Rotavirus (EDIM)	Serum	MFI	6 weeks	0/21	0/15	0/15	0/16	0/152	
Sendai virus	Serum	MFI	6 weeks	0/21	0/15	0/15	0/16	0/153	
BACTERIA & MYCOPLASMA									
<i>Bordetella</i> spp.	Oropharynx	Culture	6 weeks	0/25	0/15	0/15	0/161	0/1918	
<i>Citrobacter rodentium</i>	Intestine or feces	Culture	6 weeks	0/25	0/15	0/15	0/374	0/3435	
<i>Clostridium piliforme</i>	Serum	ELISA	quarterly	-	0/15	0/15	-	0/68	
<i>Corynebacterium bovis</i> †¶	Skin	PCR	6 weeks	0/05	0/15	0/15	0/02	0/154	
<i>Corynebacterium kutscheri</i>	Oropharynx	Culture	6 weeks	0/25	0/15	0/15	0/161	0/1918	
<i>Filobacterium rodentium</i> (CAR bacillus)	Serum	MFI	6 weeks	0/21	0/15	0/15	0/16	0/153	
<i>Mycoplasma pulmonis</i>	Serum	MFI	6 weeks	0/21	0/15	0/15	0/16	0/153	
<i>Mycoplasma</i> spp.	Lung	PCR	semi-annual	-	-	-	-	0/12	
<i>Salmonella</i> spp.	Intestine or feces	Culture	6 weeks	0/25	0/15	0/15	0/374	0/3435	
<i>Streptobacillus moniliformis</i>	Oropharynx	Culture	6 weeks	0/25	0/15	0/15	0/161	0/1918	

[*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	0/21	0/15	0/15	0/16	0/153
Ectoparasites (fleas, lice, mites)	Fur	Visual	6 weeks	0/03	0/15	0/15	0/06	0/54
Endoparasites (tapeworms, pinworms, and other helminths)	Intestine or cecum	Visual	6 weeks	0/03	0/15	0/15	0/06	0/54
Follicle mites	Subcutis	Visual	6 weeks	0/25	0/15	0/15	0/26	0/240
Protozoa (e.g., Giardia, Spironucleus, etc.)	Intestine	Microscopy	6 weeks	0/03	0/15	0/15	0/06	0/54
<i>Toxoplasma gondii</i> ‡	Serum	ELISA	semi-annual	-	-	-	-	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	-	-	-	-	0/12
<i>Helicobacter</i> spp.	Intestine or feces	PCR	6 weeks	0/07	0/15	0/15	0/06	0/54
<i>Klebsiella pneumoniae</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/25	0/15	0/15	0/509	2/5114**
<i>Klebsiella oxytoca</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/25	0/15	0/15	0/509	0/5114
<i>Pasteurella multocida</i>	Oropharynx	Culture	6 weeks	0/25	0/15	0/15	0/161	0/1918
<i>Rodentibacter pneumotropicus</i> / <i>Rodentibacter heylii</i>	Oropharynx	Culture	6 weeks	0/25	0/15	0/15	0/161	0/1918
<i>Pneumocystis murina</i> †	Lung	PCR	6 weeks	0/04	0/15	0/15	0/10	0/84
<i>Proteus mirabilis</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/25	0/15	0/15	0/509	0/5114
<i>Pseudomonas aeruginosa</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/25	0/15	0/15	0/509	0/5114
<i>Staphylococcus aureus</i>	Oropharynx	Culture	6 weeks	0/25	0/15	0/15	0/161	0/1918
<i>Streptococcus pneumoniae</i>	Oropharynx	Culture	6 weeks	0/25	0/15	0/15	0/161	0/1918
Beta-hemolytic <i>Streptococcus</i> spp. (non-group D)	Oropharynx	Culture	6 weeks	0/25	0/15	0/15	0/161	0/1918
Trichomonads	Intestine	Microscopy	6 weeks	0/03	0/15	0/15	0/06	0/54
<i>Yersinia enterocolitica</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/25	0/15	0/15	0/509	0/5114
<i>Yersinia pseudotuberculosis</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/25	0/15	0/15	0/509	0/5114

†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

** A test & cull effort was initiated to eliminate this organism from this barrier. No additional positives were found, and a thorough investigation ensued. As of 2/16/23, this investigation was concluded. For additional information call 207-288-6205.

All tests were performed by The Jackson Laboratory.

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

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

EM12

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