



JAX[®] Mice, Clinical & Research Services (JMCRS)

Production Health Report

Area: MP16

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
				May 20 '24	Apr 8 '24	Feb 26 '24	Jan 1 '24		
VIRUSES									
Ectromelia virus	Serum	MFI	6 weeks	0/21	0/21	0/20	0/18	0/157	
GDVII (Theiler's) virus	Serum	MFI	6 weeks	0/21	0/21	0/20	0/18	0/157	
Hantaan virus	Serum	MFI	6 weeks	0/21	0/21	0/20	0/18	0/157	
K virus	Serum	ELISA	annually	-	-	0/20	-	0/16	
LDH elevating virus (LDEV)	Serum	PCR	annually	-	0/10	-	-	0/10	
Lymphocytic choriomeningitis (LCMV)	Serum	MFI	6 weeks	0/21	0/21	0/20	0/18	0/157	
Mouse adenovirus (MAV)	Serum	MFI	6 weeks	0/21	0/21	0/20	0/18	0/157	
Mouse cytomegalovirus (MCMV)	Serum	MFI	6 weeks	0/21	0/21	0/20	0/18	0/157	
Murine chapparravirus (MuCPV)	Cecum or feces	PCR	6 weeks	0/06	0/06	0/06	0/06	0/54	
Mouse hepatitis virus (MHV)	Serum	MFI	6 weeks	0/21	0/21	0/20	0/18	0/157	
Mouse minute virus (MMV)	Serum	MFI	6 weeks	0/21	0/21	0/20	0/18	0/157	
Mouse norovirus (MNV)	Serum	MFI	6 weeks	0/21	0/21	0/20	0/18	0/157	
Mouse parvovirus (MPV)	Serum	MFI	6 weeks	0/21	0/21	0/20	0/18	0/157	
Mouse parvovirus (MPV)†	Lymph node	PCR	6 weeks	N/A	N/A	N/A	N/A	N/A	
Mouse thymic virus (MTV)	Serum	IFA	quarterly	-	-	0/20	0/18	0/68	
Pneumonia virus of mice (PVM)	Serum	MFI	6 weeks	0/21	0/21	0/20	0/18	0/157	
Polyoma virus	Serum	ELISA	annually	-	-	0/20	-	0/16	
Reovirus 3 (REO 3)	Serum	MFI	6 weeks	0/21	0/21	0/20	0/18	0/157	
Rotavirus (EDIM)	Serum	MFI	6 weeks	0/21	0/21	0/20	0/18	0/157	
Sendai virus	Serum	MFI	6 weeks	0/21	0/21	0/20	0/18	0/157	
BACTERIA & MYCOPLASMA									
<i>Bordetella</i> spp.	Oropharynx	Culture	6 weeks	0/21	0/21	0/20	0/18	0/157	
<i>Citrobacter rodentium</i>	Intestine or feces	Culture	6 weeks	0/21	0/21	0/25	0/18	0/157	
<i>Clostridium piliforme</i>	Serum	ELISA	quarterly	-	-	0/20	0/18	0/68	
<i>Corynebacterium bovis</i> †¶	Skin	PCR	6 weeks	N/A	N/A	N/A	N/A	N/A	
<i>Corynebacterium kutscheri</i>	Oropharynx	Culture	6 weeks	0/21	0/21	0/20	0/18	0/157	
<i>Filobacterium rodentium</i> (CAR bacillus)	Serum	MFI	6 weeks	0/21	0/21	0/20	0/18	0/157	
<i>Mycoplasma pulmonis</i>	Serum	MFI	6 weeks	0/21	0/21	0/20	0/18	0/157	
<i>Mycoplasma</i> spp.	Lung	PCR	semi-annual	-	-	0/06	-	0/12	
<i>Salmonella</i> spp.	Intestine or feces	Culture	6 weeks	0/21	0/21	0/25	0/18	0/157	
<i>Streptobacillus moniliformis</i>	Oropharynx	Culture	6 weeks	0/21	0/21	0/20	0/18	0/157	

[*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	May 20 '24	Apr 8 '24	Feb 26 '24	Jan 1 '24	Previous 12 months
PARASITES								
<i>Encephalitozoon cuniculi</i>	Serum	MFI	6 weeks	0/21	0/21	0/20	0/18	0/157
Ectoparasites (fleas, lice, mites)	Fur	Visual	6 weeks	0/06	0/06	0/06	0/06	0/54
Endoparasites (tapeworms, pinworms, and other helminths)	Intestine or cecum	Visual	6 weeks	0/06	0/06	0/06	0/06	0/54
Follicle mites	Subcutis	Visual	6 weeks	0/21	0/21	0/20	0/18	0/157
Protozoa (e.g., Giardia, Spironucleus, etc.)	Intestine	Microscopy	6 weeks	0/06	0/06	0/06	0/06	0/54
<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	May 20 '24	Apr 8 '24	Feb 26 '24	Jan 1 '24	Previous 12 months
Dermatophytes	Skin swabs	Culture	semi-annual	-	-	0/06	-	0/12
<i>Helicobacter</i> spp.	Intestine or feces	PCR	6 weeks	0/06	0/06	0/06	0/06	0/54
<i>Klebsiella pneumoniae</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/21	0/21	0/25	0/18	0/157
<i>Klebsiella oxytoca</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/21	0/21	0/25	0/18	0/157
<i>Pasteurella multocida</i>	Oropharynx	Culture	6 weeks	0/21	0/21	0/20	0/18	0/157
<i>Rodentibacter pneumotropicus</i> / <i>Rodentibacter heyltii</i>	Oropharynx	Culture	6 weeks	0/21	0/21	0/20	0/18	0/157
<i>Pneumocystis murina</i> †	Lung	PCR	6 weeks	N/A	N/A	N/A	N/A	N/A
<i>Proteus mirabilis</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/21	0/21	0/25	0/18	0/157
<i>Pseudomonas aeruginosa</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/21	0/21	0/25	0/18	0/157
<i>Staphylococcus aureus</i>	Oropharynx	Culture	6 weeks	0/21	0/21	7/2809**	6/218**	0/157
<i>Streptococcus pneumoniae</i>	Oropharynx	Culture	6 weeks	0/21	0/21	0/20	0/18	0/157
Beta-hemolytic <i>Streptococcus</i> spp. (non-group D)	Oropharynx	Culture	6 weeks	0/21	0/21	0/20	0/18	0/157
Trichomonads	Intestine	Microscopy	6 weeks	0/06	0/06	0/06	0/06	0/54
<i>Yersinia enterocolitica</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/21	0/21	0/25	0/18	0/157
<i>Yersinia pseudotuberculosis</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/21	0/21	0/25	0/18	0/157

†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. Eleven additional positives were found during a thorough investigation. As of 2/13/24, this investigation was concluded. For additional information call 207-288-6205.

All tests were performed by The Jackson Laboratory

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

MP16

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