



# JAX<sup>®</sup> Mice, Clinical & Research Services (JMCRS)

## Production Health Report

Area: EM01

### 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				
				Apr 8 '24	Feb 26 '24	Jan 1 '24	Nov 20 '23	Previous 12 months
<b>VIRUSES</b>								
Ectromelia virus	Serum	MFI	6 weeks	0/16	0/14	0/16	0/16	0/153
GDVII (Theiler's) virus	Serum	MFI	6 weeks	0/16	0/14	0/16	0/16	0/153
Hantaan virus	Serum	MFI	6 weeks	0/16	0/14	0/16	0/16	0/153
K virus	Serum	ELISA	annually	-	0/14	-	-	0/17
LDH elevating virus (LDEV)	Serum	PCR	annually	0/10	-	-	-	0/10
Lymphocytic choriomeningitis (LCMV)	Serum	MFI	6 weeks	0/16	0/14	0/16	0/16	0/153
Mouse adenovirus (MAV)	Serum	MFI	6 weeks	0/16	0/14	0/16	0/16	0/153
Mouse cytomegalovirus (MCMV)	Serum	MFI	6 weeks	0/16	0/14	0/16	0/16	0/153
Murine chapparravirus (MuCPV)	Cecum or feces	PCR	6 weeks	0/10	0/12	0/10	0/06	0/54
Mouse hepatitis virus (MHV)	Serum	MFI	6 weeks	0/16	0/14	0/16	0/16	0/153
Mouse minute virus (MMV)	Serum	MFI	6 weeks	0/16	0/14	0/16	0/15	0/152
Mouse norovirus (MNV)	Serum	MFI	6 weeks	0/16	0/14	0/16	0/16	0/153
Mouse parvovirus (MPV)	Serum	MFI	6 weeks	0/16	0/14	0/16	0/16	0/153
Mouse parvovirus (MPV)†	Lymph node	PCR	6 weeks	0/10	0/12	0/10	0/10	0/84
Mouse thymic virus (MTV)	Serum	IFA	quarterly	-	0/14	0/16	-	0/68
Pneumonia virus of mice (PVM)	Serum	MFI	6 weeks	0/16	0/14	0/16	0/16	0/152
Polyoma virus	Serum	ELISA	annually	-	0/14	-	-	0/17
Reovirus 3 (REO 3)	Serum	MFI	6 weeks	0/16	0/14	0/16	0/16	0/153
Rotavirus (EDIM)	Serum	MFI	6 weeks	0/16	0/14	0/16	0/16	0/152
Sendai virus	Serum	MFI	6 weeks	0/16	0/14	0/16	0/16	0/153
<b>BACTERIA &amp; MYCOPLASMA</b>								
<i>Bordetella</i> spp.	Oropharynx	Culture	6 weeks	0/215	0/224	0/224	0/161	0/1918
<i>Citrobacter rodentium</i>	Intestine or feces	Culture	6 weeks	0/216	0/438	0/224	0/374	0/3435
<i>Clostridium piliforme</i>	Serum	ELISA	quarterly	-	0/14	0/16	-	0/68
<i>Corynebacterium bovis</i> †¶	Skin	PCR	6 weeks	0/05	0/03	0/02	0/02	0/154
<i>Corynebacterium kutscheri</i>	Oropharynx	Culture	6 weeks	0/215	0/224	0/224	0/161	0/1918
<i>Filobacterium rodentium</i> (CAR bacillus)	Serum	MFI	6 weeks	0/16	0/14	0/16	0/16	0/153
<i>Mycoplasma pulmonis</i>	Serum	MFI	6 weeks	0/16	0/14	0/16	0/16	0/153
<i>Mycoplasma</i> spp.	Lung	PCR	semi-annual	-	0/06	-	-	0/12
<i>Salmonella</i> spp.	Intestine or feces	Culture	6 weeks	0/216	0/438	0/224	0/374	0/3435
<i>Streptobacillus moniliformis</i>	Oropharynx	Culture	6 weeks	0/215	0/224	0/224	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
<b>PARASITES</b>								
<i>Encephalitozoon cuniculi</i>	Serum	MFI	6 weeks	0/16	0/14	0/16	0/16	0/153
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	0/26	0/27	0/27	0/26	0/240
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	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	0/10	0/12	0/10	0/06	0/54
<i>Klebsiella pneumoniae</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/405	0/635	0/421	0/509	<b>2/5114**</b>
<i>Klebsiella oxytoca</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/405	0/635	0/421	0/509	0/5114
<i>Pasteurella multocida</i>	Oropharynx	Culture	6 weeks	0/215	0/224	0/224	0/161	0/1918
<i>Rodentibacter pneumotropicus</i> / <i>Rodentibacter heyltii</i>	Oropharynx	Culture	6 weeks	0/215	0/224	0/224	0/161	0/1918
<i>Pneumocystis murina</i> †	Lung	PCR	6 weeks	0/10	0/12	0/10	0/10	0/84
<i>Proteus mirabilis</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/405	0/635	0/421	0/509	0/5114
<i>Pseudomonas aeruginosa</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/405	0/635	0/421	0/509	0/5114
<i>Staphylococcus aureus</i>	Oropharynx	Culture	6 weeks	0/215	0/224	0/224	0/161	0/1918
<i>Streptococcus pneumoniae</i>	Oropharynx	Culture	6 weeks	0/215	0/224	0/224	0/161	0/1918
Beta-hemolytic <i>Streptococcus</i> spp. (non-group D)	Oropharynx	Culture	6 weeks	0/215	0/224	0/224	0/161	0/1918
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	0/405	0/635	0/421	0/509	0/5114
<i>Yersinia pseudotuberculosis</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/405	0/635	0/421	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.**

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

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