



JAX® Mice, Clinical & Research Services (JMCRS)

Production Health Report

Area: AX28

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
				Jan 1 '24	Nov 20 '23	Oct 9 '23	Aug 28 '23	
VIRUSES								
Ectromelia virus	Serum	MFI	6 weeks	0/04	0/20	0/16	0/29	0/183
GDVII (Theiler's) virus	Serum	MFI	6 weeks	0/04	0/20	0/16	0/29	0/183
Hantaan virus	Serum	MFI	6 weeks	0/04	0/20	0/16	0/29	0/183
K virus	Serum	ELISA	annually	-	-	-	-	0/20
LDH elevating virus (LDEV)	Serum	PCR	annually	-	-	-	-	0/10
Lymphocytic choriomeningitis (LCMV)	Serum	MFI	6 weeks	0/04	0/20	0/16	0/29	0/183
Mouse adenovirus (MAV)	Serum	MFI	6 weeks	0/04	0/20	0/16	0/29	0/183
Mouse cytomegalovirus (MCMV)	Serum	MFI	6 weeks	0/04	0/20	0/16	0/29	0/183
Murine chapparravirus (MuCPV)	Cecum or feces	PCR	6 weeks	0/02	0/18	0/06	0/17	0/54
Mouse hepatitis virus (MHV)	Serum	MFI	6 weeks	0/04	0/20	0/16	0/29	0/183
Mouse minute virus (MMV)	Serum	MFI	6 weeks	0/04	0/20	0/16	0/29	0/183
Mouse norovirus (MNV)	Serum	MFI	6 weeks	0/04	0/20	0/16	0/29	0/183
Mouse parvovirus (MPV)	Serum	MFI	6 weeks	0/04	0/20	0/16	0/29	0/183
Mouse parvovirus (MPV)†	Lymph node	PCR	6 weeks	0/02	0/08	0/07	0/08	0/59
Mouse thymic virus (MTV)	Serum	IFA	quarterly	0/04	-	-	0/29	0/102
Pneumonia virus of mice (PVM)	Serum	MFI	6 weeks	0/04	0/20	0/16	0/29	0/183
Polyoma virus	Serum	ELISA	annually	-	-	-	-	0/20
Reovirus 3 (REO 3)	Serum	MFI	6 weeks	0/04	0/20	0/16	0/29	0/183
Rotavirus (EDIM)	Serum	MFI	6 weeks	0/04	0/20	0/16	0/29	0/183
Sendai virus	Serum	MFI	6 weeks	0/04	0/20	0/16	0/29	0/183
BACTERIA & MYCOPLASMA								
<i>Bordetella</i> spp.	Oropharynx	Culture	6 weeks	0/06	0/28	0/23	0/37	0/243
<i>Citrobacter rodentium</i>	Intestine or feces	Culture	6 weeks	0/26	0/60	0/70	0/90	0/1032
<i>Clostridium piliforme</i>	Serum	ELISA	quarterly	0/04	-	-	0/29	0/102
<i>Corynebacterium bovis</i> †¶	Skin	PCR	6 weeks	0/01	0/01	0/01	0/01	0/62
<i>Corynebacterium kutscheri</i>	Oropharynx	Culture	6 weeks	0/06	0/28	0/23	0/37	0/243
<i>Filobacterium rodentium</i> (CAR bacillus)	Serum	MFI	6 weeks	0/04	0/20	0/16	0/29	0/183
<i>Mycoplasma pulmonis</i>	Serum	MFI	6 weeks	0/04	0/20	0/16	0/29	0/183
<i>Mycoplasma</i> spp.	Lung	PCR	semi-annual	-	-	-	0/06	0/12
<i>Salmonella</i> spp.	Intestine or feces	Culture	6 weeks	0/26	0/60	0/70	0/90	0/1032
<i>Streptobacillus moniliformis</i>	Oropharynx	Culture	6 weeks	0/06	0/28	0/23	0/37	0/243

[*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	Jan 1 '24	Nov 20 '23	Oct 9 '23	Aug 28 '23	Previous 12 months
PARASITES								
<i>Encephalitozoon cuniculi</i>	Serum	MFI	6 weeks	0/04	0/20	0/16	0/29	0/183
Ectoparasites (fleas, lice, mites)	Fur	Visual	6 weeks	0/02	0/22	0/06	0/17	0/54
Endoparasites (tapeworms, pinworms§, and other helminths)	Intestine or cecum	Visual	6 weeks	0/02	0/21	0/06	0/17	0/60
Follicle mites	Subcutis	Visual	6 weeks	0/06	0/28	0/23	0/37	0/243
Protozoa (e.g., Giardia, Spironucleus, etc.)	Intestine	Microscopy	6 weeks	0/02	0/21	0/06	0/17	0/60
<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	Jan 1 '24	Nov 20 '23	Oct 9 '23	Aug 28 '23	Previous 12 months
Dermatophytes	Skin swabs	Culture	semi-annual	-	-	-	0/06	0/12
<i>Helicobacter</i> spp.	Intestine or feces	PCR	6 weeks	0/02	0/18	0/06	0/17	0/54
<i>Klebsiella pneumoniae</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/26	0/60	0/70	0/90	2/1032**
<i>Klebsiella oxytoca</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/26	0/60	0/70	0/90	0/1032
<i>Pasteurella multocida</i>	Oropharynx	Culture	6 weeks	0/06	0/28	0/23	0/37	0/243
<i>Rodentibacter pneumotropicus</i> / <i>Rodentibacter heyltii</i>	Oropharynx	Culture	6 weeks	0/06	0/28	0/23	0/37	0/243
<i>Pneumocystis murina</i> †	Lung	PCR	6 weeks	0/02	0/08	0/07	0/08	0/59
<i>Proteus mirabilis</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/26	0/60	0/70	0/90	0/1032
<i>Pseudomonas aeruginosa</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/26	0/60	0/70	0/90	0/1032
<i>Staphylococcus aureus</i>	Oropharynx	Culture	6 weeks	0/06	0/28	0/23	0/37	0/243
<i>Streptococcus pneumoniae</i>	Oropharynx	Culture	6 weeks	0/06	0/28	0/23	0/37	0/243
Beta-hemolytic <i>Streptococcus</i> spp. (non-group D)	Oropharynx	Culture	6 weeks	0/06	0/28	0/23	0/37	0/243
Trichomonads	Intestine	Microscopy	6 weeks	0/02	0/21	0/06	0/17	0/60
<i>Yersinia enterocolitica</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/26	0/60	0/70	0/90	0/1032
<i>Yersinia pseudotuberculosis</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/26	0/60	0/70	0/90	0/1032

†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 2/22/23, this investigation was concluded. For additional information call 207-288-6205.

All tests were performed by The Jackson Laboratory

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