JAX® Mice, Clinical & Research Services (JMCRS)

Production Health Report

Area: RD

HEALTH STATUS		BARRIER LEVEL	
	● PATHOGEN & OPPORTUNIST FREE		● MAXIMUM BARRIER
	○ PATHOGEN FREE		○ 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**	**Sep 23 '24**	**Aug 12 '24**	**Jul 1' 24**	**May 20 '24**	**Previous 12 months**
VIRUSES								
Ectromelia virus	Serum	MFI	6 weeks	0/48	0/50	0/47	0/48	0/440
GDVII (Theiler's) virus	Serum	MFI	6 weeks	0/48	0/50	0/47	0/48	0/440
Hantaan virus	Serum	MFI	6 weeks	0/48	0/50	0/47	0/48	0/440
K virus	Serum	ELISA	annually	-	-	-	-	0/108
LDH elevating virus (LDEV)	Serum	PCR	annually	-	-	-	-	0/10
Lymphocytic choriomeningitis (LCMV)	Serum	MFI	6 weeks	0/48	0/50	0/47	0/48	0/440
Mouse adenovirus (MAV)	Serum	MFI	6 weeks	0/48	0/50	0/47	0/48	0/440
Mouse cytomegalovirus (MCMV)	Serum	MFI	6 weeks	0/48	0/50	0/47	0/48	0/440
Murine chapparvovirus (MuCPV)	Cecum or feces	PCR	6 weeks	0/24	0/22	0/24	0/23	0/148
Mouse hepatitis virus (MHV)	Serum	MFI	6 weeks	0/48	0/50	0/47	0/48	0/440
Mouse minute virus (MMV)	Serum	MFI	6 weeks	0/48	0/50	0/47	0/48	0/440
Mouse norovirus (MNV)	Serum	MFI	6 weeks	0/48	0/50	0/47	0/48	0/440
Mouse parvovirus (MPV)	Serum	MFI	6 weeks	0/48	0/50	0/47	0/48	0/440
Mouse parvovirus (MPV)†	Lymph node	PCR	6 weeks	0/24	0/22	0/24	0/23	0/219
Mouse thymic virus (MTV)	Serum	IFA	quarterly	-	0/50	0/47	-	0/205
Pneumonia virus of mice (PVM)	Serum	MFI	6 weeks	0/48	0/50	0/47	0/48	0/440
Polyoma virus	Serum	ELISA	annually	-	-	-	-	0/108
Reovirus 3 (REO 3)	Serum	MFI	6 weeks	0/48	0/50	0/47	0/48	0/440
Rotavirus (EDIM)	Serum	MFI	6 weeks	0/48	0/50	0/47	0/48	0/440
Sendai virus	Serum	MFI	6 weeks	0/48	0/50	0/47	0/48	0/440
BACTERIA & MYCOPLASMA								
Bordetella spp.	Oropharynx	Culture	6 weeks	0/1150	0/157	0/72	0/72	0/669
Citrobacter rodentium	Intestine or feces	Culture	6 weeks	0/1150	0/74	0/186	0/175	0/2029
Clostridium piliforme	Serum	ELISA	quarterly	-	0/50	0/47	-	0/207
Corynebacterium bovis †¶	Skin	PCR	6 weeks	0/06	0/06	0/09	0/08	0/83
Corynebacterium kutscheri	Oropharynx	Culture	6 weeks	0/1150	0/157	0/72	0/72	0/669
Filobacterium rodentium (CAR bacillus)	Serum	MFI	6 weeks	0/48	0/50	0/47	0/48	0/440
Mycoplasma pulmonis	Serum	MFI	6 weeks	0/48	0/50	0/47	0/48	0/440
Mycoplasma spp.	Lung	PCR	semi-annual	-	0/06	-	-	0/12
Salmonella spp.	Intestine or feces	Culture	6 weeks	0/1150	0/74	0/186	0/175	0/2029
Streptobacillus moniliformis	Oropharynx	Culture	6 weeks	0/1150	0/157	0/72	0/72	0/669

*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	Sep 23 '24	Aug 12 '24	Jul 1' 24	May 20 '24	Previous 12 months
PARASITES								
Encephalitozoon cuniculi	Serum	MFI	6 weeks	0/48	0/50	0/47	0/48	0/440
Ectoparasites (fleas, lice, mites)	Fur	Visual	6 weeks	0/12	0/12	0/12	0/12	0/112
Endoparasites (tapeworms, pinworms§, and other helminths)	Intestine or cecum	Visual	6 weeks	0/12	0/12	0/12	0/12	0/112
Follicle mites	Subcutis	Visual	6 weeks	0/72	0/72	0/72	0/72	0/669
Protozoa (e.g., Giardia, Spironucleus, etc.)	Intestine	Microscopy	6 weeks	0/12	0/12	0/12	0/12	0/112
Toxoplasma gondii ‡	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	Sep 23 '24	Aug 12 '24	Jul 1' 24	May 20 '24	Previous 12 months
Dermatophytes	Skin swabs	Culture	semi-annual	-	0/06	-	-	0/12
Helicobacter spp.	Intestine or feces	PCR	6 weeks	0/24	0/22	0/24	0/23	0/148
Klebsiella pneumoniae	Oropharynx, intestine, or feces	Culture	6 weeks	0/2228	0/159	0/186	0/175	0/2029
Klebsiella oxytoca	Oropharynx, intestine, or feces	Culture	6 weeks	0/2228	0/159	0/186	0/175	0/2029
Pasteurella multocida	Oropharynx	Culture	6 weeks	0/1150	0/157	0/72	0/72	0/669
Rodentibacter pneumotropicus / Rodentibacter heylii	Oropharynx	Culture	6 weeks	0/1150	0/157	0/72	0/72	0/669
Pneumocystis murina †	Lung	PCR	6 weeks	0/24	0/22	0/24	0/23	0/219
Proteus mirabilis	Oropharynx, intestine, or feces	Culture	6 weeks	0/2228	0/159	0/186	0/175	0/2029
Pseudomonas aeruginosa	Oropharynx, intestine, or feces	Culture	6 weeks	0/2228	0/159	0/186	0/175	0/2029
Staphylococcus aureus	Oropharynx	Culture	6 weeks	0/1150	0/157	0/72	0/72	0/669
Streptococcus pneumoniae	Oropharynx	Culture	6 weeks	0/1150	0/157	0/72	0/72	0/669
Beta-hemolytic *Streptococcus* spp. (non-group D)	Oropharynx	Culture	6 weeks	0/1150	0/157	0/72	0/72	0/669
Trichomonads	Intestine	Microscopy	6 weeks	0/12	0/12	0/12	0/12	0/112
Yersinia enterocolitica	Oropharynx, intestine, or feces	Culture	6 weeks	0/2228	0/159	0/186	0/175	0/2029
Yersinia pseudotuberculosis	Oropharynx, intestine, or feces	Culture	6 weeks	0/2228	0/159	0/186	0/175	0/2029

†The indicated tests are only performed in rooms that house immunodeficient mice.
¶ One sample represents testing of 20 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

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Rosalinda A. Doty DVM, PhD, DACVP
Director, Diagnostic and Pathology Services

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