JAX® Mice, Clinical & Research Services (JMCRS)

Production Health Report

Area: EM04

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	0/17	0/18	0/18	0/15	0/159
GDVII (Theiler's) virus	Serum	MFI	6 weeks	0/17	0/18	0/18	0/15	0/159
Hantaan virus	Serum	MFI	6 weeks	0/17	0/18	0/18	0/15	0/159
K virus	Serum	ELISA	annually	-	-	-	-	0/39
LDH elevating virus (LDEV)	Serum	PCR	annually	-	-	-	-	0/10
Lymphocytic choriomeningitis (LCMV)	Serum	MFI	6 weeks	0/17	0/18	0/18	0/15	0/159
Mouse adenovirus (MAV)	Serum	MFI	6 weeks	0/17	0/18	0/18	0/15	0/159
Mouse cytomegalovirus (MCMV)	Serum	MFI	6 weeks	0/17	0/18	0/18	0/15	0/159
Murine chapparvovirus (MuCPV)	Cecum or feces	PCR	6 weeks	0/10	0/09	0/09	0/09	0/65
Mouse hepatitis virus (MHV)	Serum	MFI	6 weeks	0/17	0/18	0/18	0/15	0/159
Mouse minute virus (MMV)	Serum	MFI	6 weeks	0/17	0/18	0/18	0/15	0/159
Mouse norovirus (MNV)	Serum	MFI	6 weeks	0/17	0/18	0/18	0/15	0/159
Mouse parvovirus (MPV)	Serum	MFI	6 weeks	0/17	0/18	0/18	0/15	0/159
Mouse parvovirus (MPV)†	Lymph node	PCR	6 weeks	0/10	0/09	0/08	0/09	0/76
Mouse thymic virus (MTV)	Serum	IFA	quarterly	-	0/18	0/18	-	0/68
Pneumonia virus of mice (PVM)	Serum	MFI	6 weeks	0/17	0/18	0/18	0/15	0/159
Polyoma virus	Serum	ELISA	annually	-	-	-	-	0/39
Reovirus 3 (REO 3)	Serum	MFI	6 weeks	0/17	0/18	0/18	0/15	0/159
Rotavirus (EDIM)	Serum	MFI	6 weeks	0/17	0/18	0/18	0/15	0/159
Sendai virus	Serum	MFI	6 weeks	0/17	0/18	0/18	0/15	0/159
BACTERIA & MYCOPLASMA								
Bordetella spp.	Oropharynx	Culture	6 weeks	0/27	0/27	0/26	0/24	0/235
Citrobacter rodentium	Intestine or feces	Culture	6 weeks	0/152	0/148	0/146	0/145	0/1311
Clostridium piliforme	Serum	ELISA	quarterly	-	0/18	0/18	-	0/68
Corynebacterium bovis †¶	Skin	PCR	6 weeks	0/08	0/07	0/08	0/07	0/74
Corynebacterium kutscheri	Oropharynx	Culture	6 weeks	0/27	0/27	0/26	0/24	0/235
Filobacterium rodentium (CAR bacillus)	Serum	MFI	6 weeks	0/17	0/18	0/18	0/15	0/159
Mycoplasma pulmonis	Serum	MFI	6 weeks	0/17	0/18	0/18	0/15	0/159
Mycoplasma spp.	Lung	PCR	semi-annual	-	0/06	-	-	0/12
Salmonella spp.	Intestine or feces	Culture	6 weeks	0/152	0/148	0/146	0/145	0/1311
Streptobacillus moniliformis	Oropharynx	Culture	6 weeks	0/27	0/27	0/26	0/24	0/235

*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	0/17	0/18	0/18	0/15	0/159
Ectoparasites (fleas, lice, mites)	Fur	Visual	6 weeks	0/06	0/06	0/07	0/05	0/55
Endoparasites (tapeworms, pinworms§, and other helminths)	Intestine or cecum	Visual	6 weeks	0/06	0/06	0/07	0/04	0/55
Follicle mites	Subcutis	Visual	6 weeks	0/27	0/27	0/26	0/24	0/235
Protozoa (e.g., Giardia, Spironucleus, etc.)	Intestine	Microscopy	6 weeks	0/06	0/06	0/07	0/04	0/55
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	0/10	0/09	0/09	0/09	0/65
Klebsiella pneumoniae	Oropharynx, intestine, or feces	Culture	6 weeks	0/152	0/148	0/146	0/145	0/1311
Klebsiella oxytoca	Oropharynx, intestine, or feces	Culture	6 weeks	0/152	0/148	0/146	0/145	0/1311
Pasteurella multocida	Oropharynx	Culture	6 weeks	0/27	0/27	0/26	0/24	0/235
Rodentibacter pneumotropicus / Rodentibacter heylii	Oropharynx	Culture	6 weeks	0/27	0/27	0/26	0/24	0/235
Pneumocystis murina †	Lung	PCR	6 weeks	0/10	0/09	0/08	0/09	0/76
Proteus mirabilis	Oropharynx, intestine, or feces	Culture	6 weeks	0/152	0/148	0/146	0/145	0/1311
Pseudomonas aeruginosa	Oropharynx, intestine, or feces	Culture	6 weeks	0/152	0/148	0/146	0/145	0/1311
Staphylococcus aureus	Oropharynx	Culture	6 weeks	0/27	0/27	0/26	0/24	0/235
Streptococcus pneumoniae	Oropharynx	Culture	6 weeks	0/27	0/27	0/26	0/24	0/235
Beta-hemolytic *Streptococcus* spp. (non-group D)	Oropharynx	Culture	6 weeks	0/27	0/27	0/26	0/24	0/235
Trichomonads	Intestine	Microscopy	6 weeks	0/06	0/06	0/07	0/04	0/55
Yersinia enterocolitica	Oropharynx, intestine, or feces	Culture	6 weeks	0/152	0/148	0/146	0/145	0/1311
Yersinia pseudotuberculosis	Oropharynx, intestine, or feces	Culture	6 weeks	0/152	0/148	0/146	0/145	0/1311

†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

All tests were performed by The Jackson Laboratory.

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

EM04

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