JAX® Mice, Clinical & Research Services (JMCRS)
Production Health Report
Area: RB17

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.*

				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
VIRUSES								
Ectromelia virus	Serum	MFI	6 weeks	0/18	0/19	0/19	0/19	0/147
GDVII (Theiler's) virus	Serum	MFI	6 weeks	0/18	0/19	0/19	0/19	0/147
Hantaan virus	Serum	MFI	6 weeks	0/18	0/19	0/19	0/19	0/147
K virus	Serum	ELISA	annually	-	0/19	-	-	0/14
LDH elevating virus (LDEV)	Serum	PCR	annually	0/10	-	-	-	0/10
Lymphocytic choriomeningitis (LCMV)	Serum	MFI	6 weeks	0/18	0/19	0/19	0/19	0/147
Mouse adenovirus (MAV)	Serum	MFI	6 weeks	0/18	0/19	0/19	0/19	0/147
Mouse cytomegalovirus (MCMV)	Serum	MFI	6 weeks	0/18	0/19	0/19	0/19	0/147
Murine chapparvovirus (MuCPV)	Cecum or feces	PCR	6 weeks	0/09	0/08	0/08	0/06	0/54
Mouse hepatitis virus (MHV)	Serum	MFI	6 weeks	0/18	0/19	0/19	0/19	0/147
Mouse minute virus (MMV)	Serum	MFI	6 weeks	0/18	0/19	0/19	0/19	0/147
Mouse norovirus (MNV)	Serum	MFI	6 weeks	0/18	0/19	0/19	0/19	0/147
Mouse parvovirus (MPV)	Serum	MFI	6 weeks	0/18	0/19	0/19	0/19	0/147
Mouse parvovirus (MPV)†	Lymph node	PCR	6 weeks	0/09	0/08	0/08	0/07	0/69
Mouse thymic virus (MTV)	Serum	IFA	quarterly	-	0/19	0/19	-	0/68
Pneumonia virus of mice (PVM)	Serum	MFI	6 weeks	0/18	0/19	0/19	0/19	0/147
Polyoma virus	Serum	ELISA	annually	-	0/19	-	-	0/14
Reovirus 3 (REO 3)	Serum	MFI	6 weeks	0/18	0/19	0/19	0/19	0/147
Rotavirus (EDIM)	Serum	MFI	6 weeks	0/18	0/19	0/19	0/19	0/147
Sendai virus	Serum	MFI	6 weeks	0/18	0/19	0/19	0/19	0/147
BACTERIA & MYCOPLASMA								
Bordetella spp.	Oropharynx	Culture	6 weeks	0/27	0/27	0/27	0/26	0/216
Citrobacter rodentium	Intestine or feces	Culture	6 weeks	0/81	0/84	0/83	0/93	0/887
Clostridium piliforme	Serum	ELISA	quarterly	-	0/19	0/19	-	0/68
Corynebacterium bovis †¶	Skin	PCR	6 weeks	0/01	0/01	0/01	0/01	0/9
Corynebacterium kutscheri	Oropharynx	Culture	6 weeks	0/27	0/27	0/27	0/26	0/216
Filobacterium rodentium (CAR bacillus)	Serum	MFI	6 weeks	0/18	0/19	0/19	0/19	0/147
Mycoplasma pulmonis	Serum	MFI	6 weeks	0/18	0/19	0/19	0/19	0/147
Mycoplasma spp.	Lung	PCR	semi-annual	-	0/06	-	-	0/12
Salmonella spp.	Intestine or feces	Culture	6 weeks	0/81	0/84	0/83	0/93	0/887
Streptobacillus moniliformis	Oropharynx	Culture	6 weeks	0/27	0/27	0/27	0/26	0/216

*Additional details regarding our health monitoring program and shipping policy.

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

Organism	Sample Tested	Test Method	Frequency	Apr 8 '24	Feb 26 '24	Jan 1' 24	Nov 20 '23	Previous 12 months
PARASITES								
Encephalitozoon cuniculi	Serum	MFI	6 weeks	0/18	0/19	0/19	0/19	0/147
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	0/27	0/27	0/27	0/26	0/216
Protozoa (e.g., Giardia, Spironucleus, etc.)	Intestine	Microscopy	6 weeks	0/06	0/06	0/06	0/06	0/54
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	Apr 8 '24	Feb 26 '24	Jan 1' 24	Nov 20 '23	Previous 12 months
Dermatophytes	Skin swabs	Culture	semi-annual	-	0/06	-	-	0/6
Helicobacter spp.	Intestine or feces	PCR	6 weeks	0/09	0/08	0/08	0/06	0/54
Klebsiella pneumoniae	Oropharynx, intestine, or feces	Culture	6 weeks	0/81	0/84	0/83	0/93	0/887
Klebsiella oxytoca	Oropharynx, intestine, or feces	Culture	6 weeks	0/81	0/84	0/83	0/93	0/887
Pasteurella multocida	Oropharynx	Culture	6 weeks	0/27	0/27	0/27	0/26	0/216
Rodentibacter pneumotropicus / Rodentibacter heylii	Oropharynx	Culture	6 weeks	0/27	0/27	0/27	0/26	0/216
Pneumocystis murina †	Lung	PCR	6 weeks	0/09	0/08	0/08	0/07	0/69
Proteus mirabilis	Oropharynx, intestine, or feces	Culture	6 weeks	0/81	0/84	0/83	0/93	0/887
Pseudomonas aeruginosa	Oropharynx, intestine, or feces	Culture	6 weeks	0/81	0/84	0/83	0/93	0/887
Staphylococcus aureus	Oropharynx	Culture	6 weeks	0/27	0/27	0/27	0/26	0/216
Streptococcus pneumoniae	Oropharynx	Culture	6 weeks	0/27	0/27	0/27	0/26	0/216
Beta-hemolytic *Streptococcus* spp. (non-group D)	Oropharynx	Culture	6 weeks	0/27	0/27	0/27	0/26	0/216
Trichomonads	Intestine	Microscopy	6 weeks	0/06	0/06	0/06	0/06	0/54
Yersinia enterocolitica	Oropharynx, intestine, or feces	Culture	6 weeks	0/81	0/84	0/83	0/93	0/887
Yersinia pseudotuberculosis	Oropharynx, intestine, or feces	Culture	6 weeks	0/81	0/84	0/83	0/93	0/887

†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

RB17

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

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