The Jackson Laboratory
Leading the search for tomorrow's cures

Genetic Resource Science (GRS)
Repository Health Report
Area: AX11

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 GRS 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	0/19	0/16	0/19	0/18	0/148
GDVII (Theiler's) virus	Serum	MFI	6 weeks	0/19	0/16	0/19	0/18	0/148
Hantaan virus	Serum	MFI	6 weeks	0/19	0/16	0/19	0/18	0/148
K virus	Serum	ELISA	annually	-	-	-	-	0/30
LDH elevating virus (LDEV)	Serum	PCR	annually	-	-	-	-	0/10
Lymphocytic choriomeningitis (LCMV)	Serum	MFI	6 weeks	0/19	0/16	0/19	0/18	0/148
Mouse adenovirus (MAV)	Serum	MFI	6 weeks	0/19	0/16	0/19	0/18	0/148
Mouse cytomegalovirus (MCMV)	Serum	MFI	6 weeks	0/19	0/16	0/19	0/18	0/148
Murine chapparvovirus (MuCPV)	Cecum or feces	PCR	6 weeks	0/07	0/10	0/07	0/08	0/59
Mouse hepatitis virus (MHV)	Serum	MFI	6 weeks	0/19	0/16	0/19	0/18	0/148
Mouse minute virus (MMV)	Serum	MFI	6 weeks	0/19	0/16	0/19	0/18	0/148
Mouse norovirus (MNV)	Serum	MFI	6 weeks	0/19	0/16	0/19	0/18	0/148
Mouse parvovirus (MPV)	Serum	MFI	6 weeks	0/19	0/16	0/19	0/18	0/148
Mouse parvovirus (MPV)†	Lymph node	PCR	6 weeks	0/07	0/10	0/07	0/08	0/68
Mouse thymic virus (MTV)	Serum	IFA	quarterly	-	0/16	0/19	-	0/63
Pneumonia virus of mice (PVM)	Serum	MFI	6 weeks	0/19	0/16	0/19	0/18	0/148
Polyoma virus	Serum	ELISA	annually	-	-	-	-	0/30
Reovirus 3 (REO 3)	Serum	MFI	6 weeks	0/19	0/16	0/19	0/18	0/148
Rotavirus (EDIM)	Serum	MFI	6 weeks	0/19	0/16	0/19	0/17	0/148
Sendai virus	Serum	MFI	6 weeks	0/19	0/16	0/19	0/18	0/148
BACTERIA & MYCOPLASMA								
Bordetella spp.	Oropharynx	Culture	6 weeks	0/26	0/26	0/69	0/26	0/217
Citrobacter rodentium	Intestine or feces	Culture	6 weeks	0/170	0/170	0/197	0/170	0/1506
Clostridium piliforme	Serum	ELISA	quarterly	-	0/16	0/19	-	0/64
Corynebacterium bovis †¶	Skin	PCR	6 weeks	0/01	0/01	N/A	0/01	0/9
Corynebacterium kutscheri	Oropharynx	Culture	6 weeks	0/26	0/26	0/69	0/26	0/217
Filobacterium rodentium (CAR bacillus)	Serum	MFI	6 weeks	0/19	0/16	0/19	0/18	0/148
Mycoplasma pulmonis	Serum	MFI	6 weeks	0/19	0/16	0/19	0/18	0/148
Mycoplasma spp.	Lung	PCR	semi-annual	-	0/06	-	-	0/12
Salmonella spp.	Intestine or feces	Culture	6 weeks	0/170	0/170	0/197	0/170	0/1506
Streptobacillus moniliformis	Oropharynx	Culture	6 weeks	0/26	0/26	0/69	0/26	0/217

*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	0/19	0/16	0/19	0/18	0/148
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	0/26	0/26	0/26	0/217
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 GRS **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	0/07	0/10	0/07	0/08	0/59
Klebsiella pneumoniae	Oropharynx, intestine, or feces	Culture	6 weeks	0/170	0/170	0/240	0/170	0/1506
Klebsiella oxytoca	Oropharynx, intestine, or feces	Culture	6 weeks	0/170	0/170	0/240	0/170	0/1506
Pasteurella multocida	Oropharynx	Culture	6 weeks	0/26	0/26	0/69	0/26	0/217
Rodentibacter pneumotropicus / Rodentibacter heylii	Oropharynx	Culture	6 weeks	0/26	0/26	0/69	0/26	0/217
Pneumocystis murina †	Lung	PCR	6 weeks	0/07	0/10	0/07	0/08	0/68
Proteus mirabilis	Oropharynx, intestine, or feces	Culture	6 weeks	0/170	0/170	0/240	0/170	0/1506
Pseudomonas aeruginosa	Oropharynx, intestine, or feces	Culture	6 weeks	0/170	0/170	0/240	0/170	0/1506
Staphylococcus aureus	Oropharynx	Culture	6 weeks	0/26	0/26	0/69	0/26	0/668
Streptococcus pneumoniae	Oropharynx	Culture	6 weeks	0/26	0/26	0/69	0/26	0/217
Beta-hemolytic *Streptococcus* spp. (non-group D)	Oropharynx	Culture	6 weeks	0/26	0/26	0/69	0/26	0/217
Trichomonads	Intestine	Microscopy	6 weeks	0/06	0/06	0/06	0/06	0/54
Yersinia enterocolitica	Oropharynx, intestine, or feces	Culture	6 weeks	0/170	0/170	0/240	0/170	0/1506
Yersinia pseudotuberculosis	Oropharynx, intestine, or feces	Culture	6 weeks	0/170	0/170	0/240	0/170	0/1506

†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

AX11

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