The Jackson Laboratory
Leading the search for tomorrow's cures

Genetic Resource Science (GRS)
Repository Health Report
Area: AX18

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 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	0/17	0/20	0/19	0/18	0/159
GDVII (Theiler's) virus	Serum	MFI	6 weeks	0/17	0/20	0/19	0/18	0/159
Hantaan virus	Serum	MFI	6 weeks	0/17	0/20	0/19	0/18	0/159
K virus	Serum	ELISA	annually	-	-	-	-	0/36
LDH elevating virus (LDEV)	Serum	PCR	annually	-	-	-	-	0/10
Lymphocytic choriomeningitis (LCMV)	Serum	MFI	6 weeks	0/17	0/20	0/19	0/18	0/159
Mouse adenovirus (MAV)	Serum	MFI	6 weeks	0/17	0/20	0/19	0/18	0/159
Mouse cytomegalovirus (MCMV)	Serum	MFI	6 weeks	0/17	0/20	0/19	0/18	0/159
Murine chapparvovirus (MuCPV)	Cecum or feces	PCR	6 weeks	0/07	0/06	0/07	0/06	0/60
Mouse hepatitis virus (MHV)	Serum	MFI	6 weeks	0/17	0/20	0/19	0/18	0/159
Mouse minute virus (MMV)	Serum	MFI	6 weeks	0/17	0/20	0/19	0/18	0/159
Mouse norovirus (MNV)	Serum	MFI	6 weeks	0/17	0/20	0/19	0/18	0/159
Mouse parvovirus (MPV)	Serum	MFI	6 weeks	0/17	0/20	0/19	0/18	0/159
Mouse parvovirus (MPV)†	Lymph node	PCR	6 weeks	0/07	0/06	0/07	0/06	0/68
Mouse thymic virus (MTV)	Serum	IFA	quarterly	-	0/20	0/18	-	0/72
Pneumonia virus of mice (PVM)	Serum	MFI	6 weeks	0/17	0/20	0/19	0/18	0/159
Polyoma virus	Serum	ELISA	annually	-	-	-	-	0/36
Reovirus 3 (REO 3)	Serum	MFI	6 weeks	0/17	0/20	0/19	0/18	0/159
Rotavirus (EDIM)	Serum	MFI	6 weeks	0/17	0/20	0/19	0/18	0/159
Sendai virus	Serum	MFI	6 weeks	0/17	0/20	0/19	0/18	0/159
BACTERIA & MYCOPLASMA								
Bordetella spp.	Oropharynx	Culture	6 weeks	0/54	0/25	0/26	0/25	0/229
Citrobacter rodentium	Intestine or feces	Culture	6 weeks	0/307	0/211	0/195	0/186	0/2640
Clostridium piliforme	Serum	ELISA	quarterly	-	0/20	0/19	-	0/72
Corynebacterium bovis †¶	Skin	PCR	6 weeks	0/01	0/01	0/01	0/01	0/9
Corynebacterium kutscheri	Oropharynx	Culture	6 weeks	0/54	0/25	0/26	0/25	0/229
Filobacterium rodentium (CAR bacillus)	Serum	MFI	6 weeks	0/17	0/20	0/19	0/18	0/159
Mycoplasma pulmonis	Serum	MFI	6 weeks	0/17	0/20	0/19	0/18	0/159
Mycoplasma spp.	Lung	PCR	semi-annual	-	0/06	-	-	0/12
Salmonella spp.	Intestine or feces	Culture	6 weeks	0/307	0/211	0/195	0/186	0/2640
Streptobacillus moniliformis	Oropharynx	Culture	6 weeks	0/54	0/25	0/26	0/25	0/229

*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	0/20	0/19	0/18	0/159
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	0/25	0/229
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	0/06	0/07	0/06	0/60
Klebsiella pneumoniae	Oropharynx, intestine, or feces	Culture	6 weeks	0/335	0/211	0/195	0/186	0/2640
Klebsiella oxytoca	Oropharynx, intestine, or feces	Culture	6 weeks	0/335	0/211	0/195	0/186	0/2640
Pasteurella multocida	Oropharynx	Culture	6 weeks	0/54	0/25	0/26	0/25	0/229
Rodentibacter pneumotropicus / Rodentibacter heylii	Oropharynx	Culture	6 weeks	0/54	0/25	0/26	0/25	0/229
Pneumocystis murina †	Lung	PCR	6 weeks	0/07	0/06	0/07	0/06	0/68
Proteus mirabilis	Oropharynx, intestine, or feces	Culture	6 weeks	0/335	0/211	0/195	0/186	0/2640
Pseudomonas aeruginosa	Oropharynx, intestine, or feces	Culture	6 weeks	0/335	0/211	0/195	0/186	0/2640
Staphylococcus aureus	Oropharynx	Culture	6 weeks	0/54	0/25	0/26	0/25	0/229
Streptococcus pneumoniae	Oropharynx	Culture	6 weeks	0/54	0/25	0/26	0/25	0/229
Beta-hemolytic *Streptococcus* spp. (non-group D)	Oropharynx	Culture	6 weeks	0/54	0/25	0/26	0/25	0/229
Trichomonads	Intestine	Microscopy	6 weeks	0/06	0/06	0/06	0/06	0/54
Yersinia enterocolitica	Oropharynx, intestine, or feces	Culture	6 weeks	0/335	0/211	0/195	0/186	0/2640
Yersinia pseudotuberculosis	Oropharynx, intestine, or feces	Culture	6 weeks	0/335	0/211	0/195	0/186	0/2640

†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

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