The Jackson Laboratory
Leading the search for tomorrow's cures

Reproductive Sciences (RS)
Health Report
Area: G200

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 Reproductive Sciences facilities, 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	0/216	0/191	0/219	0/213	0/2074
GDVII (Theiler's) virus	Serum	MFI	6 weeks	0/216	0/191	0/219	0/213	0/2074
Hantaan virus	Serum	MFI	6 weeks	0/216	0/191	0/219	0/213	0/2074
K virus	Serum	ELISA	6 weeks	0/216	0/191	0/219	0/213	0/2074
LDH elevating virus (LDEV)	Serum	PCR	annually	-	-	-	-	0/10
Lymphocytic choriomeningitis (LCMV)	Serum	MFI	6 weeks	0/216	0/191	0/219	0/213	0/2074
Mouse adenovirus (MAV)	Serum	MFI	6 weeks	0/216	0/191	0/219	0/213	0/2074
Mouse cytomegalovirus (MCMV)	Serum	MFI	6 weeks	0/216	0/191	0/219	0/213	0/2074
Murine chapparvovirus (MuCPV)	Cecum or feces	PCR	6 weeks	0/216	0/191	0/219	0/213	0/2074
Mouse hepatitis virus (MHV)	Serum	MFI	6 weeks	0/216	0/191	0/219	0/213	0/2074
Mouse minute virus (MMV)	Serum	MFI	6 weeks	0/216	0/191	0/219	0/213	0/2074
Mouse norovirus (MNV)	Serum	MFI	6 weeks	0/216	0/191	0/219	0/213	0/2074
Mouse parvovirus (MPV)	Serum	MFI	6 weeks	0/216	0/191	0/219	0/213	0/2074
Mouse parvovirus (MPV)†	Lymph node	PCR	6 weeks	0/12	0/12	0/10	0/12	0/72
Mouse thymic virus (MTV)	Serum	IFA	6 weeks	0/216	0/190	0/219	0/213	0/2073
Pneumonia virus of mice (PVM)	Serum	MFI	6 weeks	0/216	0/191	0/219	0/213	0/2074
Polyoma virus	Serum	ELISA	6 weeks	0/216	0/191	0/219	0/213	0/2074
Reovirus 3 (REO 3)	Serum	MFI	6 weeks	0/216	0/191	0/219	0/213	0/2074
Rotavirus (EDIM)	Serum	MFI	6 weeks	0/216	0/191	0/219	0/213	0/2074
Sendai virus	Serum	MFI	6 weeks	0/216	0/191	0/219	0/213	0/2074
BACTERIA & MYCOPLASMA								
Bordetella spp.	Oropharynx	Culture	6 weeks	0/216	0/191	0/219	0/213	0/2074
Citrobacter rodentium	Intestine or feces	Culture	6 weeks	0/648	0/551	0/651	0/645	0/6127
Clostridium piliforme	Serum	ELISA	6 weeks	0/216	0/191	0/219	0/213	0/2074
Corynebacterium bovis †	Skin	PCR	6 weeks	0/12	0/12	0/10	0/12	0/72
Corynebacterium kutscheri	Oropharynx	Culture	6 weeks	0/216	0/191	0/219	0/213	0/2074
Filobacterium rodentium (CAR bacillus)	Serum	MFI	6 weeks	0/216	0/191	0/219	0/213	0/2074
Mycoplasma pulmonis	Serum	MFI	6 weeks	0/216	0/191	0/219	0/213	0/2074
Mycoplasma spp.	Lung	PCR	semi-annual	-	0/12	-	-	0/12
Salmonella spp.	Intestine or feces	Culture	6 weeks	0/648	0/551	0/651	0/645	0/6127
Streptobacillus moniliformis	Oropharynx	Culture	6 weeks	0/216	0/191	0/219	0/213	0/2074

*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	0/216	0/191	0/219	0/213	0/2074
Ectoparasites (fleas, lice, mites)	Fur	Visual	6 weeks	0/216	0/191	0/219	0/213	0/2074
Endoparasites (tapeworms, pinworms§, and other helminths)	Intestine or cecum	Visual	6 weeks	0/216	0/191	0/219	0/213	0/2074
Follicle mites	Subcutis	Visual	6 weeks	0/216	0/191	0/219	0/213	0/2187
Protozoa (e.g., Giardia, Spironucleus, etc.)	Intestine	Microscopy	6 weeks	0/216	0/191	0/219	0/213	0/2074
Toxoplasma gondii ‡	Serum	ELISA	semi-annual	-	0/06	-	-	0/12

OPPORTUNISTIC ORGANISMS MONITORED (SHIPPING NOT STOPPED)

All of these organisms are excluded from Reproductive Sciences facilities. When a confirmed finding of an excluded organism is made, an investigation is undertaken to identify and eliminate all infected mice from the barrier. Confirmed 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	0/216	0/191	0/229	0/213	0/2074
Klebsiella pneumoniae	Oropharynx, intestine, or feces	Culture	6 weeks	0/648	0/551	0/651	0/645	0/6127
Klebsiella oxytoca	Oropharynx, intestine, or feces	Culture	6 weeks	0/648	0/551	0/651	0/645	0/6127
Pasteurella multocida	Oropharynx	Culture	6 weeks	0/216	0/191	0/219	0/213	0/2074
Rodentibacter pneumotropicus / Rodentibacter heylii	Oropharynx	Culture	6 weeks	0/216	0/191	0/219	0/213	0/2074
Pneumocystis murina †	Lung	PCR	6 weeks	0/12	0/12	0/10	0/12	0/72
Proteus mirabilis	Oropharynx, intestine, or feces	Culture	6 weeks	0/648	0/551	0/651	0/645	0/6127
Pseudomonas aeruginosa	Oropharynx, intestine, or feces	Culture	6 weeks	0/648	0/551	0/651	0/645	0/6127
Staphylococcus aureus	Oropharynx	Culture	6 weeks	0/216	0/191	0/219	0/213	0/2074
Streptococcus pneumoniae	Oropharynx	Culture	6 weeks	0/216	0/191	0/219	0/213	0/2074
Beta-hemolytic *Streptococcus* spp. (non-group D)	Oropharynx	Culture	6 weeks	0/216	0/191	0/219	0/213	0/2074
Trichomonads	Intestine	Microscopy	6 weeks	0/216	0/191	0/219	0/213	0/2074
Yersinia enterocolitica	Oropharynx, intestine, or feces	Culture	6 weeks	0/648	0/551	0/651	0/645	0/6127
Yersinia pseudotuberculosis	Oropharynx, intestine, or feces	Culture	6 weeks	0/648	0/551	0/651	0/645	0/6127

†The indicated tests are only performed in rooms that house immunodeficient mice.
§ Testing for this organisms is also performed by PCR
‡This testing is performed by an outside vendor

EMBRYO WASH TESTING

All embryos undergo extensive washing before implantation into mice. A confirmed positive finding for excluded organisms in the embryo wash fluid will initiate an investigation of the mouse colonies in G200. Confirmed positive results in mice- including results from investigations- would be noted in this report and shipping will be suspended.

Organism	**Sample Tested**	**Test Method**	**Frequency**	**Sep 23 '24**	**Aug 12 '24**	**Jul 1' 24**	**May 20 '24**	**Previous 12 months**
Mouse Pathogen Panel‡	Final wash fluid or embryos	PCR	6 weeks	0/628	0/744	0/647	0/805	0/7267

‡The Mouse Pathogen Panel utilizes qPCR for detection of Ectromelia virus, LDEV, LCMV, MAV, MCMV, MuCPV, MHV, MMV, MNV, MPV, MTV, PVM, Polyoma virus, Reovirus, EDIM, Sendai virus, TMEV, *Mycoplasma* and *Helicobacter* in wash fluids and embryos from IVF-derived mouse embryos, cryopreserved embryos, and microinjected embryos for implantation into pseudopregnant foster mothers.

All tests were performed by The Jackson Laboratory

G200

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