

AREA: MP-21

Report # 0608MP21

Check our web site for recent updates to this report: <http://jaxmice.jax.org/health/mp21.pdf>

OVERALL HEALTH STATUS

- Excellent** (no positive results)
 Superior (no pathogens, parasites or opportunists)
 Good (no pathogens or parasites)

MP-21 IS OPERATED AS A:

- Maximum barrier
 High Barrier
 Standard barrier
 Research Standard barrier
 Low barrier

MP-21 IS IN:

- Production Facility
 Research Facility
 Other Area*

*Other areas house small production-type colonies maintained as in-house resources or sources of lower-demand mice for distribution.

Mouse pathogens – NO POSITIVE RESULTS

These organisms are pathogenic for mice and/or have a significant potential for interference with research. If any of these organisms are found in any JAX mouse, all shipments from the room are suspended and customers are notified.

Organism	Sample Tested	Test Method	Jun '08	Mar '08	Dec '07	Sep '07
VIRUSES						
Ectromelia virus	Serum	ELISA	0/13	0/14	0/18	0/16
GDVII (Theiler's) virus	Serum	ELISA	0/13	0/14	0/18	0/16
Hantaan virus	Serum	ELISA	0/13	0/14	0/18	0/16
K virus	Serum	ELISA	-	-	-	0/16
Lactic dehydrogenase elevating virus	Serum	Enzyme	-	0/10	-	-
Lymphocytic choriomeningitis (LCMV)	Serum	ELISA	0/13	-	0/18	-
Mouse minute virus (MMV)	Serum	ELISA	0/13	0/14	0/18	0/16
Mouse adenovirus (MAV)	Serum	ELISA	-	0/14	-	0/16
Mouse cytomegalovirus (MCMV)	Serum	ELISA	-	0/14	-	0/16
Mouse hepatitis virus (MHV)	Serum	ELISA	0/13	0/14	0/18	0/16
Mouse parvovirus (MPV)	Serum	ELISA	0/13	0/14	0/18	0/16
Mouse thymic virus (MTV)	Serum	IFA	-	0/14	-	0/16
Pneumonia virus of mice (PVM)	Serum	ELISA	0/13	0/14	0/18	0/16
Polyoma virus	Serum	ELISA	-	-	-	0/16
Reovirus 3 (REO 3)	Serum	ELISA	0/13	-	0/18	-
Rotavirus (EDIM)	Serum	ELISA	0/13	0/14	0/18	0/16
Sendai virus	Serum	ELISA	0/13	0/14	0/18	0/16
BACTERIA & MYCOPLASMA						
CAR bacillus	Serum	ELISA	0/13	-	0/18	-
<i>Streptobacillus moniliformis</i>	Trachea	Culture	0/13	0/14	0/18	0/16
<i>Mycoplasma pulmonis</i>	Serum	ELISA	0/13	0/14	0/18	0/16
<i>Citrobacter rodentium</i>	Intestine or feces	Culture	0/13	0/14	0/18	0/16
<i>Salmonella</i> spp.	Intestine or feces	Culture	0/13	0/14	0/18	0/16
<i>Clostridium piliforme</i>	Serum	ELISA	-	0/14	-	0/16

Parasites – NO POSITIVE RESULTS

Although most of these organisms have limited potential to cause disease or interfere with research, they are unacceptable in most facilities. If any of these organisms are found, all shipments from the room are suspended and customers are notified.

Organism	Sample Tested	Test Method	Jun '08	Mar '08	Dec '07	Sep '07
Fleas, fur mites, lice	Fur	Visual	0/13	0/14	0/18	0/16
Follicle mites	Subcutis	Visual	0/13	0/14	0/18	0/16
Pinworms	Cecum	Visual	0/13	0/14	0/18	0/16
Roundworms and other helminths	Intestine	Visual	0/13	0/14	0/18	0/16
Tapeworms	Intestine	Visual	0/13	0/14	0/18	0/16
<i>Encephalitozoon cuniculi</i>	Serum	ELISA	0/13	-	0/18	-

Opportunistic organisms – Positive results for 1 organism

These organisms are generally recognized as opportunistic pathogens that may complicate disease or interfere with research under certain circumstances, e.g., immunodeficient mice. They are not tolerated in any Production area – positive results trigger a clinical investigation designed to eliminate all infected mice. Shipping from the area is not stopped.

Organism	Sample Tested	Test Method	Jun '08	Mar '08	Dec '07	Sep '07
<i>Bordetella bronchiseptica</i>	Trachea	Culture	0/13	0/14	0/18	0/16
<i>Corynebacterium kutscheri</i>	Trachea	Culture	0/13	0/14	0/18	0/16
<i>Helicobacter</i> spp.	Intestine or feces	PCR	0/13	0/14	0/18	0/16
<i>Klebsiella pneumoniae</i>	Trachea, intestine, or feces	Culture	0/13	0/14	0/18	0/16
Murine norovirus (MNV)	Serum	ELISA	0/13	0/14	0/18	0/16
<i>Pasteurella pneumotropica</i>	Trachea	Culture	0/13	0/14	0/18	0/16
<i>Pneumocystis murina</i>	Lung	PCR	-	-	-	-
<i>Pseudomonas</i> spp.	Intestine or feces	Culture	0/13	0/14	1/18	0/16
<i>Staphylococcus aureus</i>	Trachea	Culture	0/13	0/14	0/18	0/16
<i>Streptococcus</i> spp.	Trachea	Culture	0/13	0/14	0/18	0/16
Opportunistic protozoa (e.g., <i>Giardia</i> , <i>Spiroplasma</i>)	Intestine	Micro	0/13	0/14	0/18	0/16

Other (nonpathogenic) organisms – Positive results for 1 organism

These organisms are generally viewed as normal flora of mice or as exogenous microorganisms with little or no potential to cause disease or interfere with research. If any of these organisms are found in any JAX mouse, the finding is noted in this report, but shipments are not suspended.

Organism	Sample Tested	Test Method	Jun '08	Mar '08	Dec '07	Sep '07
<i>Klebsiella</i> spp. other than <i>K. pneumoniae</i>	Trachea, intestine, or feces	Culture	4/13	1/14	3/18	3/16
Nonpathogenic protozoa (e.g., trichomonads)	Intestine	Micro	0/13	0/14	0/18	0/16

James Fahey, M.S., Ph.D., D.V.M.
Chief of Diagnostic Services, Laboratory Animal Health Services

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

For additional details regarding our health monitoring program and shipping policy see <http://jaxmice.jax.org/health>