



# JAX® Mice, Clinical & Research Services (JMCRS)

## Production Health Report

Area: EM04

### 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.\*

Organism	Sample Tested	Test Method	Frequency	Test Results: #positive/#tested					
				Aug 12 '19	Jul 23 '19	Jul 1 '19	May 20 '19	Previous 12 months	
<b>VIRUSES</b>									
Ectromelia virus	Serum	MFI	6 weeks	0/15	0/15	0/18	0/19	0/171	
GDVII (Theiler's) virus	Serum	MFI	6 weeks	0/15	0/15	0/18	0/19	0/171	
Hantaan virus	Serum	MFI	6 weeks	0/15	0/15	0/18	0/19	0/171	
K virus	Serum	ELISA	annually	-	-	-	0/19	0/19	
LDH elevating virus (LDEV)	Serum	Enzyme	annually	-	-	-	-	0/9	
Lymphocytic choriomeningitis (LCMV)	Serum	MFI	6 weeks	0/15	0/15	0/18	0/19	0/171	
Mouse adenovirus (MAV)	Serum	MFI	6 weeks	0/15	0/15	0/18	0/19	0/171	
Mouse cytomegalovirus (MCMV)	Serum	MFI	6 weeks	0/15	0/15	0/18	0/19	0/171	
Mouse hepatitis virus (MHV)	Serum	MFI	6 weeks	0/15	0/15	0/18	0/19	0/171	
Mouse minute virus (MMV)	Serum	MFI	6 weeks	0/15	0/15	0/18	0/19	0/171	
Mouse norovirus (MNV)	Serum	MFI	6 weeks	0/15	0/15	0/18	0/19	0/171	
Mouse parvovirus (MPV)	Serum	MFI	6 weeks	0/15	0/15	0/18	0/19	0/171	
Mouse parvovirus (MPV)†	Lymph node	PCR	6 weeks	0/06	0/06	0/09	0/08	0/63	
Mouse thymic virus (MTV)	Serum	IFA	quarterly	-	-	0/18	0/19	0/76	
Pneumonia virus of mice (PVM)	Serum	MFI	6 weeks	0/15	0/15	0/18	0/19	0/171	
Polyoma virus	Serum	ELISA	annually	-	-	-	0/19	0/19	
Reovirus 3 (REO 3)	Serum	MFI	6 weeks	0/15	0/15	0/18	0/19	0/171	
Rotavirus (EDIM)	Serum	MFI	6 weeks	0/15	0/15	0/18	0/19	0/171	
Sendai virus	Serum	MFI	6 weeks	0/15	0/15	0/18	0/19	0/171	
<b>BACTERIA &amp; MYCOPLASMA</b>									
<i>Bordetella</i> spp.	Oropharynx	Culture	6 weeks	0/15	0/15	0/102	0/67	0/541	
CAR bacillus	Serum	MFI	6 weeks	0/15	0/15	0/18	0/19	0/171	
<i>Citrobacter rodentium</i>	Intestine or feces	Culture	6 weeks	0/63	0/26	0/158	0/115	0/1341	
<i>Clostridium piliforme</i>	Serum	ELISA	quarterly	-	-	0/18	0/19	0/76	
<i>Corynebacterium bovis</i>	Oropharynx/skin	Culture	6 weeks	0/15	0/15	0/111	0/75	0/595	
<i>Corynebacterium kutscheri</i>	Oropharynx	Culture	6 weeks	0/15	0/15	0/102	0/67	0/541	
<i>Helicobacter</i> spp.	Intestine or feces	PCR	6 weeks	0/15	0/15	0/06	0/06	0/54	
<i>Mycoplasma pulmonis</i>	Serum	MFI	6 weeks	0/15	0/15	0/18	0/19	0/171	
<i>Pasteurella</i> spp.	Oropharynx	Culture	6 weeks	0/15	0/15	0/102	0/67	0/541	
<i>Salmonella</i> spp.	Intestine or feces	Culture	6 weeks	0/63	0/26	0/158	0/115	0/1341	
<i>Streptobacillus moniliformis</i>	Oropharynx	Culture	6 weeks	0/15	0/15	0/102	0/67	0/541	

[\\*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	Aug 12 '19	Jul 23 '19	Jul 1 '19	May 20 '19	Previous 12 months
<b>PARASITES &amp; PROTOZOA</b>								
<i>Encephalitozoon cuniculi</i>	Serum	MFI	6 weeks	0/15	0/15	0/18	0/19	0/171
Ectoparasites (fleas, lice, mites)	Fur	Visual	6 weeks	0/15	0/15	0/06	0/06	0/54
Endoparasites (tapeworms, pinworms, and other helminths)	Intestine or cecum	Visual	6 weeks	0/15	0/15	0/06	0/06	0/54
Follicle mites	Subcutis	Visual	6 weeks	0/15	0/15	0/27	0/27	0/234
Opportunistic protozoa (e.g., <i>Giardia</i> , <i>Spironucleus</i> )	Intestine	Microscopy	6 weeks	0/15	0/15	0/06	0/06	0/54

### 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	Aug 12 '19	Jul 23 '19	Jul 1 '19	May 20 '19	Previous 12 months
<i>Klebsiella pneumoniae</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/63	0/26	0/233	0/155	0/1648
<i>Klebsiella</i> spp. other than <i>K. pneumoniae</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/63	0/26	0/233	0/155	0/1648
Nonpathogenic protozoa (e.g., <i>Trichomonads</i> )	Intestine	Microscopy	6 weeks	0/15	0/15	0/06	0/06	0/54
<i>Pneumocystis murina</i> †	Lung	PCR	6 weeks	0/06	0/06	0/09	0/08	0/63
<i>Proteus mirabilis</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/63	0/26	0/233	0/155	0/1648
<i>Pseudomonas</i> spp.	Intestine or feces	Culture	6 weeks	0/63	0/26	0/158	0/115	0/1341
<i>Staphylococcus aureus</i>	Oropharynx	Culture	6 weeks	0/15	0/15	0/102	0/67	0/541
<i>Streptococcus pneumoniae</i>	Oropharynx	Culture	6 weeks	0/15	0/15	0/102	0/67	0/541
Beta-hemolytic <i>Streptococcus</i> spp. (non-group D)	Oropharynx	Culture	6 weeks	0/15	0/15	0/102	0/67	0/541

Gross Pathology	Test Method	Frequency	Aug 12 '19	Jul 23 '19	Jul 1 '19	May 20 '19	Previous 12 months
Necropsy findings	Exam, histopath	6 weeks	0/15	0/15	0/27	0/27	0/234

All tests were performed by The Jackson Laboratory.

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

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EM04

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