



Notice of a *Corynebacterium bovis* finding in The Jackson Laboratory-Bar Harbor Room AX30

August 10, 2020

Positive findings for *Corynebacterium bovis* were made in fecal pellets (by PCR) and from skin swabs (by culture) of mice from several breeding cages and inventory cages of strain NU/J (stock #002019) in The Jackson Laboratory-Bar Harbor animal room AX30. We are conducting a more comprehensive investigation to determine the extent of the presence of this organism in the room. The current findings and any additional positive test results that we obtain will be reported in the next health report for AX30. You can view the current health report at <http://jaxmice.jax.org/health/ax30.pdf>. The most recent routine health monitoring in this room was carried out on July 20, 2020, and no positive findings of *C. bovis* had been made at that time. As stated on the health report, no mice currently in this room will be shipped to any customers. We will reestablish new colonies in this room after proper decontamination, confirm their health status at multiple time points; and only then resume shipments of these new colonies of mice.

The Jackson Laboratory is committed to producing the healthiest, most genetically stable and well-defined research mice possible. Our Biosecurity Program is designed to ensure the health and well-being of our animal colonies by preventing the entry and spread of infectious agents and by rapidly eliminating any contaminants that we exclude. We provide full disclosure of test results to users of JAX Mice. Please see http://jaxmice.jax.org/genetichealth/health_program.html for more information on our Animal Health Program and communications policies.

If you have any questions, please contact our Technical Information Support group at: micetech@jax.org | 1.800.422.6423 (US) | 1.207.288.5845 (International)



JAX® Mice, Clinical & Research Services (JMCRS)

Production Health Report

Area: AX30

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					Previous 12 months
				Jul 20 '20	Jun 1 '20	Apr 20 '20	Mar 9 '20		
VIRUSES									
Ectromelia virus	Serum	MFI	6 weeks	0/16	0/20	0/16	0/16	0/130	
GDVII (Theiler's) virus	Serum	MFI	6 weeks	0/16	0/20	0/16	0/16	0/130	
Hantaan virus	Serum	MFI	6 weeks	0/16	0/20	0/16	0/16	0/136	
K virus	Serum	ELISA	annually	-	-	0/16	-	0/15	
LDH elevating virus (LDEV)	Serum	Enzyme	annually	-	-	-	0/10	0/10	
Lymphocytic choriomeningitis (LCMV)	Serum	MFI	6 weeks	0/16	0/20	0/16	0/16	0/130	
Mouse adenovirus (MAV)	Serum	MFI	6 weeks	0/16	0/20	0/16	0/16	0/130	
Mouse cytomegalovirus (MCMV)	Serum	MFI	6 weeks	0/16	0/20	0/16	0/16	0/130	
Murine chapparovirus (MuCPV)	Cecum or feces	PCR	6 weeks	0/06	0/06	0/06	0/06	0/46	
Mouse hepatitis virus (MHV)	Serum	MFI	6 weeks	0/16	0/20	0/16	0/16	0/130	
Mouse minute virus (MMV)	Serum	MFI	6 weeks	0/16	0/20	0/16	0/16	0/130	
Mouse norovirus (MNV)	Serum	MFI	6 weeks	0/16	0/20	0/16	0/16	0/130	
Mouse parvovirus (MPV)	Serum	MFI	6 weeks	0/16	0/20	0/16	0/16	0/130	
Mouse parvovirus (MPV)†	Lymph node	PCR	6 weeks	0/14	0/13	0/14	0/13	0/119	
Mouse thymic virus (MTV)	Serum	IFA	quarterly	-	0/20	0/16	-	0/61	
Pneumonia virus of mice (PVM)	Serum	MFI	6 weeks	0/16	0/20	0/16	0/16	0/130	
Polyoma virus	Serum	ELISA	annually	-	-	0/16	-	0/15	
Reovirus 3 (REO 3)	Serum	MFI	6 weeks	0/16	0/20	0/16	0/16	0/130	
Rotavirus (EDIM)	Serum	MFI	6 weeks	0/16	0/20	0/16	0/16	0/130	
Sendai virus	Serum	MFI	6 weeks	0/16	0/20	0/16	0/16	0/130	
BACTERIA & MYCOPLASMA									
<i>Bordetella</i> spp.	Oropharynx	Culture	6 weeks	0/30	0/33	0/30	0/29	0/366	
<i>Citrobacter rodentium</i>	Intestine or feces	Culture	6 weeks	0/149	0/155	0/153	0/147	0/1484	
<i>Clostridium piliforme</i>	Serum	ELISA	quarterly	-	0/20	0/16	-	0/61	
<i>Corynebacterium bovis</i>	Oropharynx/skin	Culture	6 weeks	0/43	0/43	0/43	0/41	0/476	
<i>Corynebacterium kutscheri</i>	Oropharynx	Culture	6 weeks	0/30	0/33	0/30	0/29	0/366	
<i>Filobacterium rodentium</i> (CAR bacillus)	Serum	MFI	6 weeks	0/16	0/20	0/16	0/16	0/130	
<i>Mycoplasma pulmonis</i>	Serum	MFI	6 weeks	0/16	0/20	0/16	0/16	0/130	
<i>Mycoplasma</i> spp.	Oropharynx	PCR	semi-annual	-	-	-	0/06	0/12	
<i>Salmonella</i> spp.	Intestine or feces	Culture	6 weeks	0/149	0/155	0/153	0/147	0/1484	
<i>Streptobacillus moniliformis</i>	Oropharynx	Culture	6 weeks	0/30	0/33	0/30	0/29	0/366	

[*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	Jul 20 '20	Jun 1 '20	Apr 20 '20	Mar 9 '20	Previous 12 months
PARASITES								
<i>Encephalitozoon cuniculi</i>	Serum	MFI	6 weeks	0/16	0/20	0/16	0/16	0/130
Ectoparasites (fleas, lice, mites)	Fur	Visual	6 weeks	0/06	0/06	0/06	0/06	0/64
Endoparasites (tapeworms, pinworms, and other helminths)	Intestine or cecum	Visual	6 weeks	0/06	0/06	0/06	0/06	0/64
Follicle mites	Subcutis	Visual	6 weeks	0/30	0/33	0/30	0/29	0/259
Protozoa (e.g., Giardia, Spironucleus, etc.)	Intestine	Microscopy	6 weeks	0/06	0/06	0/06	0/06	0/64
<i>Toxoplasma gondii</i>	Serum	ELISA	semi-annual	-	-	-	0/06	0/12

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	Jul 20 '20	Jun 1 '20	Apr 20 '20	Mar 9 '20	Previous 12 months
Dermatophytes	Skin swabs	Culture	semi-annual	-	-	-	0/06	0/12
<i>Helicobacter</i> spp.	Intestine or feces	PCR	6 weeks	0/06	0/06	0/06	0/06	0/64
<i>Klebsiella pneumoniae</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/149	0/155	0/153	0/147	0/1591
<i>Klebsiella oxytoca</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/149	0/155	0/153	0/147	0/1591
<i>Pasteurella multocida</i>	Oropharynx	Culture	6 weeks	0/30	0/33	0/30	0/29	0/366
<i>Rodentibacter pneumotropicus</i> (<i>Pasteurella pneumotropica</i>)	Oropharynx	Culture	6 weeks	0/30	0/33	0/30	0/29	0/366
<i>Pneumocystis murina</i> †	Lung	PCR	6 weeks	0/14	0/13	0/14	0/13	0/129
<i>Proteus mirabilis</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/149	0/155	0/153	0/147	0/1591
<i>Pseudomonas aeruginosa</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/149	0/155	0/153	0/147	0/1484
<i>Staphylococcus aureus</i>	Oropharynx	Culture	6 weeks	0/30	0/33	0/30	0/29	0/366
<i>Streptococcus pneumoniae</i>	Oropharynx	Culture	6 weeks	0/30	0/33	0/30	0/29	0/366
Beta-hemolytic <i>Streptococcus</i> spp. (non-group D)	Oropharynx	Culture	6 weeks	0/30	0/33	0/30	0/29	0/366
Trichomonads	Intestine	Microscopy	6 weeks	0/06	0/06	0/06	0/06	0/64
<i>Yersinia enterocolitica</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/149	0/155	0/153	0/147	0/1591
<i>Yersinia pseudotuberculosis</i>	Oropharynx, intestine, or feces	Culture	6 weeks	0/149	0/155	0/153	0/147	0/1591

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All tests were performed by The Jackson Laboratory

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AX30

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