Notice of *Staphylococcus aureus* findings in The Jackson Laboratory-Bar Harbor Room AX18

September 19, 2025

Positive findings of *Staphylococcus aureus* were made in cultures from an animal health routine monitoring mouse located in The Jackson Laboratory-Bar Harbor animal room AX18. The affected mice have been culled, and a more comprehensive investigation is currently underway to determine the extent of the presence of this organism in the room, and to remove any other affected animals if found. The recent findings will be reported in the next health report for AX18. You can view the current health report at https://media.jax.org/m/64e921798ad310a5/original/ax18.pdf.

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 we have committed to excluding. We are also committed to full disclosure of information to users of JAX Mice. Please see https://www.jax.org/jax-mice-and-services/customer-support/customer-service/animal-health/animal-health-program for more information on our Animal Health Program and communications policies.

If you have any questions, please contact micetech@jax.org.

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JAX® Mice, Clinical & Research Services (JMCRS)

Health Report

Area: AX18

HEALTH STATUS

- (●) PATHOGEN & OPPORTUNIST FREE
- ( ) PATHOGEN FREE

BARRIER LEVEL

- (●) MAXIMUM 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 JMCRS facilities, all shipments are suspended and customers are notified.*

				Test Results: #positive/#tested				
Organism	**Sample Tested**	**Test Method**	**Frequency**	**Sep 08 '25**	**Jul 28 '25**	**Jun 16 '25**	**May 5 '25**	**Previous 12 months**
VIRUSES								
Ectromelia virus	Serum	MFI	6 weeks	0/19	0/20	0/20	0/19	0/167
GDVII (Theiler's) virus	Serum	MFI	6 weeks	0/19	0/20	0/20	0/19	0/167
Hantaan virus	Serum	MFI	6 weeks	0/19	0/20	0/20	0/19	0/167
K virus	Serum	ELISA	annually	N/A	N/A	N/A	N/A	0/20
LDH elevating virus (LDEV)	Serum	PCR	annually	N/A	N/A	N/A	N/A	0/20
Lymphocytic choriomeningitis (LCMV)	Serum	MFI	6 weeks	0/19	0/20	0/20	0/19	0/167
Mouse adenovirus (MAV)	Serum	MFI	6 weeks	0/19	0/20	0/20	0/19	0/167
Mouse cytomegalovirus (MCMV)	Serum	MFI	6 weeks	0/19	0/20	0/20	0/19	0/167
Murine chapparvovirus (MuCPV)	Cecum or feces	PCR	6 weeks	0/08	0/07	0/07	0/07	0/62
Mouse hepatitis virus (MHV)	Serum	MFI	6 weeks	0/19	0/20	0/20	0/19	0/167
Mouse minute virus (MMV)	Serum	MFI	6 weeks	0/19	0/20	0/20	0/19	0/167
Mouse norovirus (MNV)	Serum	MFI	6 weeks	0/19	0/20	0/20	0/19	0/167
Mouse parvovirus (MPV)	Serum	MFI	6 weeks	0/19	0/20	0/20	0/19	0/167
Mouse parvovirus (MPV)†	Lymph node	PCR	6 weeks	0/08	0/07	0/07	0/07	0/62
Mouse thymic virus (MTV)	Serum	IFA	quarterly	N/A	0/18	0/20	N/A	0/76
Pneumonia virus of mice (PVM)	Serum	MFI	6 weeks	0/19	0/20	0/20	0/19	0/167
Polyoma virus	Serum	ELISA	annually	N/A	N/A	N/A	N/A	0/20
Reovirus 3 (REO 3)	Serum	MFI	6 weeks	0/19	0/20	0/20	0/19	0/167
Rotavirus (EDIM)	Serum	MFI	6 weeks	0/19	0/20	0/20	0/19	0/167
Sendai virus	Serum	MFI	6 weeks	0/19	0/20	0/20	0/19	0/167
BACTERIA & MYCOPLASMA								
Bordetella spp.	Oropharynx	Culture	6 weeks	0/21	0/21	0/21	0/21	0/244
Citrobacter rodentium	Intestine or feces	Culture	6 weeks	0/208	0/211	0/596	0/197	0/2395
Clostridium piliforme	Serum	ELISA	quarterly	N/A	0/20	0/20	N/A	0/77
Corynebacterium bovis †¶	Skin	PCR	6 weeks	0/01	0/01	0/01	0/01	0/9
Corynebacterium kutscheri	Oropharynx	Culture	6 weeks	0/21	0/21	0/21	0/21	0/244
Filobacterium rodentium (CAR bacillus)	Serum	MFI	6 weeks	0/19	0/20	0/20	0/19	0/167
Mycoplasma pulmonis	Serum	MFI	6 weeks	0/19	0/20	0/20	0/19	0/167
Mycoplasma spp.	Lung	PCR	semi-annual	0/06	N/A	N/A	N/A	0/12
Salmonella spp.	Intestine or feces	Culture	6 weeks	0/208	0/211	0/596	0/197	0/2395
Streptobacillus moniliformis	Oropharynx	Culture	6 weeks	0/21	0/21	0/21	0/21	0/244

*Additional details regarding our health monitoring program and shipping policy.

				Test Results: #positive/#tested				
Organism	**Sample Tested**	**Test Method**	**Frequency**	**Sep 08 '25**	**Jul 28 '25**	**Jun 16 '25**	**May 5 '25**	**Previous 12 months**
PARASITES								
Encephalitozoon cuniculi	Serum	MFI	6 weeks	0/19	0/20	0/20	0/19	0/167
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
Demodex musculi (Follicle mite)	Fur swab	PCR	annually	0/06	N/A	N/A	N/A	0/0
Psorergates simplex (Follicle mite)	Subcutis	Visual	6 weeks	0/21	0/21	0/21	0/21	0/217
Protozoa§ (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	N/A	N/A	N/A	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**	**Sep 08 '25**	**Jul 28 '25**	**Jun 16 '25**	**May 5 '25**	**Previous 12 months**
Helicobacter spp.	Intestine or feces	PCR	6 weeks	0/08	0/07	0/07	0/07	0/62
Klebsiella pneumoniae	Oropharynx, intestine, or feces	Culture	6 weeks	0/208	0/211	0/596	0/197	0/2423
Klebsiella oxytoca	Oropharynx, intestine, or feces	Culture	6 weeks	0/208	0/211	0/596	0/197	0/2423
Pasteurella multocida	Oropharynx	Culture	6 weeks	0/21	0/21	0/21	0/21	0/244
Rodentibacter pneumotropicus / Rodentibacter heylii	Oropharynx	Culture	6 weeks	0/21	0/21	0/21	0/21	0/244
Pneumocystis murina †	Lung	PCR	6 weeks	0/08	0/07	0/07	0/07	0/62
Proteus mirabilis	Oropharynx, intestine, or feces	Culture	6 weeks	0/208	0/211	0/596	0/197	0/2423
Pseudomonas aeruginosa	Oropharynx, intestine, or feces	Culture	6 weeks	0/208	0/211	0/596	0/197	0/2423
Staphylococcus aureus	Oropharynx	Culture	6 weeks	0/21	0/21	0/21	0/21	0/244
Streptococcus pneumoniae	Oropharynx	Culture	6 weeks	0/21	0/21	0/21	0/21	0/244
Beta-hemolytic *Streptococcus* spp. (non-group D)	Oropharynx	Culture	6 weeks	0/21	0/21	0/21	0/21	0/244
Trichomonads§	Intestine	Microscopy	6 weeks	0/06	0/06	0/06	0/06	0/54
Yersinia enterocolitica	Oropharynx, intestine, or feces	Culture	6 weeks	0/208	0/211	0/596	0/197	0/2423
Yersinia pseudotuberculosis	Oropharynx, intestine, or feces	Culture	6 weeks	0/208	0/211	0/596	0/197	0/2423

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

¶ One sample represents testing of 60 pooled animals

§ Testing for the following organisms also performed by PCR: **Fur mites:** *Myobia musculi* , *Myocoptes musculinus* , *Radfordia affinis* **Pinworms:** *Aspiculuris tetraptera* , *Syphacia muris* , *Syphacia obvelata* **Protozoa:** *Cryptosporidium spp* ., *Giardia muris* , *Entamoeba muris* , *Spironucleus muris* **Trichomonads:** *Tritrichomonas muris* , *Tritrichomonas minuta*

‡This testing is performed by an outside vendor

All tests were performed by The Jackson Laboratory

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