

AREA: B-2A (B2A)

Report #0808B2A

Check our web site for recent updates to this report: <http://jaxmice.jax.org/health/b2a.pdf>

OVERALL HEALTH STATUS

Excellent

(no positive results)

Superior

(no pathogens, parasites or opportunists)

Good

(no pathogens or parasites)

B-2A IS OPERATED AS A:

Maximum barrier

High Barrier

Standard barrier

Research Standard barrier

Low barrier

B-2A 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 | Aug '08 | May '08 | Mar '08 | Feb '08 | Nov '07 |
|--------------------------------------|---------------|-------------|---------|---------|---------|---------|---------|
| VIRUSES | | | | | | | |
| Ectromelia virus | Serum | ELISA | 0/13 | 0/13 | 0/11 | 0/04 | 0/08 |
| GDVII (Theiler's) virus | Serum | ELISA | 0/13 | 0/13 | 0/11 | 0/04 | 0/08 |
| Hantaan virus | Serum | ELISA | 0/13 | 0/13 | 0/11 | 0/04 | 0/08 |
| K virus | Serum | ELISA | 0/09 | 0/09 | 0/11 | - | 0/08 |
| Lactic dehydrogenase elevating virus | Serum | Enzyme | - | 0/04 | - | - | - |
| Lymphocytic choriomeningitis (LCMV) | Serum | ELISA | 0/13 | 0/09 | 0/11 | 0/04 | - |
| Mouse minute virus (MMV) | Serum | ELISA | 0/13 | 0/13 | 0/11 | 0/04 | 0/08 |
| Mouse adenovirus (MAV) | Serum | ELISA | 0/09 | 0/13 | 0/11 | - | 0/08 |
| Mouse cytomegalovirus (MCMV) | Serum | ELISA | 0/09 | 0/13 | 0/11 | - | 0/08 |
| Mouse hepatitis virus (MHV) | Serum | ELISA | 0/13 | 0/13 | 0/11 | 0/04 | 0/08 |
| Mouse parvovirus (MPV) | Serum | ELISA | 0/13 | 0/13 | 0/11 | 0/04 | 0/08 |
| Mouse thymic virus (MTV) | Serum | IFA | 0/13 | 0/09 | 0/11 | 0/04 | - |
| Pneumonia virus of mice (PVM) | Serum | ELISA | 0/13 | 0/13 | 0/11 | 0/04 | 0/08 |
| Polyoma virus | Serum | ELISA | 0/09 | 0/09 | 0/11 | - | 0/08 |
| Reovirus 3 (REO 3) | Serum | ELISA | 0/13 | 0/09 | 0/11 | 0/04 | - |
| Rotavirus (EDIM) | Serum | ELISA | 0/13 | 0/13 | 0/11 | 0/04 | 0/08 |
| Sendai virus | Serum | ELISA | 0/13 | 0/13 | 0/11 | 0/04 | 0/08 |

BACTERIA & MYCOPLASMA

| | | | | | | | |
|-------------------------------------|--------------------|---------|------|------|------|------|------|
| CAR bacillus | Serum | ELISA | 0/13 | 0/09 | 0/11 | 0/04 | - |
| <i>Streptobacillus moniliformis</i> | Trachea | Culture | 0/13 | 0/13 | 0/11 | 0/04 | 0/08 |
| <i>Mycoplasma pulmonis</i> | Serum | ELISA | 0/13 | 0/13 | 0/11 | 0/04 | 0/08 |
| <i>Citrobacter rodentium</i> | Intestine or feces | Culture | 0/13 | 0/13 | 0/11 | 0/04 | 0/08 |
| <i>Salmonella</i> spp. | Intestine or feces | Culture | 0/13 | 0/13 | 0/11 | 0/04 | 0/08 |
| <i>Clostridium piliforme</i> | Serum | ELISA | 0/09 | 0/13 | 0/11 | - | 0/08 |

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 | Aug '08 | May '08 | Mar '08 | Feb '08 | Nov '07 |
|---------------------------------|---------------|-------------|---------|---------|---------|---------|---------|
| Fleas, fur mites, lice | Fur | Visual | 0/13 | 0/13 | 0/11 | 0/04 | 0/08 |
| Follicle mites | Subcutis | Visual | 0/13 | 0/13 | 0/11 | 0/04 | 0/08 |
| Pinworms | Cecum | Visual | 0/13 | 0/13 | 0/11 | 0/04 | 0/08 |
| Roundworms and other helminths | Intestine | Visual | 0/13 | 0/13 | 0/11 | 0/04 | 0/08 |
| Tapeworms | Intestine | Visual | 0/13 | 0/13 | 0/11 | 0/04 | 0/08 |
| <i>Encephalitozoon cuniculi</i> | Serum | ELISA | 0/13 | 0/09 | 0/11 | 0/04 | - |

Opportunistic organisms – NO POSITIVE RESULTS

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 | Aug '08 | May '08 | Mar '08 | Feb '08 | Nov '07 |
|---|------------------------------|-------------|---------|---------|---------|---------|---------|
| <i>Bordetella bronchiseptica</i> | Trachea | Culture | 0/13 | 0/13 | 0/11 | 0/04 | 0/08 |
| <i>Corynebacterium kutscheri</i> | Trachea | Culture | 0/13 | 0/13 | 0/11 | 0/04 | 0/08 |
| <i>Helicobacter</i> spp. | Intestine or feces | PCR | 0/13 | 0/13 | 0/11 | 0/04 | 0/08 |
| <i>Klebsiella pneumoniae</i> | Trachea, intestine, or feces | Culture | 0/13 | 0/13 | 0/11 | 0/04 | 0/08 |
| Murine norovirus (MNV) | Serum | ELISA | 0/13 | 0/13 | 0/11 | 0/04 | 0/08 |
| <i>Pasteurella pneumotropica</i> | Trachea | Culture | 0/13 | 0/13 | 0/11 | 0/04 | 0/08 |
| <i>Pneumocystis murina</i> | Lung | PCR | - | - | - | - | - |
| <i>Pseudomonas</i> spp. | Intestine or feces | Culture | 0/13 | 0/13 | 0/11 | 0/04 | 0/08 |
| <i>Staphylococcus aureus</i> | Trachea | Culture | 0/13 | 0/13 | 0/11 | 0/04 | 0/08 |
| <i>Streptococcus</i> spp. | Trachea | Culture | 0/13 | 0/13 | 0/11 | 0/04 | 0/08 |
| Opportunistic protozoa (e.g., <i>Giardia</i> , <i>Spiroplasma</i>) | Intestine | Micro | 0/13 | 0/13 | 0/11 | 0/04 | 0/08 |

Other (nonpathogenic) organisms – NO POSITIVE RESULTS

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 | Aug '08 | May '08 | Mar '08 | Feb '08 | Nov '07 |
|--|------------------------------|-------------|---------|---------|---------|---------|---------|
| <i>Klebsiella</i> spp. other than <i>K. pneumoniae</i> | Trachea, intestine, or feces | Culture | 0/13 | 0/13 | 0/11 | 0/04 | 0/08 |
| Nonpathogenic protozoa (e.g., trichomonads) | Intestine | Micro | 0/13 | 0/13 | 0/11 | 0/04 | 0/08 |

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