Health Monitoring Report

RIKEN BioResource Research Center

RIKEN BioResource Research Center adopts the sentinel mouse program, which is specialized for the microisolator cage system. A sentinel mouse cage containing four mice is laid on a microisolator cage rack and small parts of dirty beddings from all cages of the rack are collected into the sentinel mouse cage every two weeks. One mouse from a sentinel cage is subjected to the examination at regular intervals.

Our items to be examined are classified into four classes shown in the table below. All sentinel mice are tested under the class A and B. Sentinel mice kept in the room for immunodeficient mice are screened on the class C as well. The class D contains a weak pathogen (MNV) or the certain pathogens that are believed not to exist in the Japanese laboratory mouse colonies hence mice are annually submitted to class D examination.

Top row of health report indicates the index code of the sentinel animals tested. First two letters mean the room number, and the last letter means the rack code.

For example;

If the index code is 3-1-A, the sentinel mouse tested is from the room "3-1" rack "A".

Class	Microorganisms
A	C. *piliforme,* Ectromelia virus, Hantaan virus, Lymphocytic choriomeningitis virus (LCMV), Mouse hepatitis virus (MHV), *M. pulmonis,* Sendai virus (HVJ)
B	C. *kutscheri, C. rodentium, F. rodentium, H. bills, H. hepaticus, R. heylii, R. pneumotropicus, Salmonella spp.,* Dermatophytes, Ectoparasites, Intestinal protozoa, Pinworms
C	*P. aeruginosa, S. aureus, P. murina*
D	Lactate dehydrogenase elevating virus (LDHEV), Mouse adenovirus (MAV type 1 & 2), Mouse cytomegalovirus (MCMV), Mouse minute virus (MMV), Mouse parvovirus (MPV), Mouse norovirus (MNV), Mouse polyoma virus (Poly), Mouse rotavirus (EDIM), Pneumonia virus of mice (PVM), Reovirus type 3 (Reo3), Theiler's mouse encephalomyelitis virus (TMEV/GDVII)

Keisuke Sato, Ph.D. DJCLAM
Special Fixed Term Contract Researcher, Veterinarian
Experimental Animal Division
RIKEN BioResource Research Center
3-1-1 Koyadai, Tsukuba, Ibaraki 305-0074 JAPAN
FAX: +81-29-836-9010
E-Mail: animal.brc@riken.jp

Jun 2025

HEALTH REPORT

Facility: RIKEN BRC Experimental Animal Division　　Test date: November 25, 2025　　Examination No: 25404

Class	Pathogens	Methods	Sentinel Animals: BALB/cA-nu/+ ♀											
			3-C-A	3-C-B	3-C-C	3-C-D	3-C-E	3-C-F	3-C-G	3-C-H	3-C-I	3-C-J	3-C-K	3-C-L
A	Mouse hepatitis virus	Serology	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
	Sendai virus	Serology	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
	Clostridium piliforme	Serology	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
	Hantaan virus	Serology	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
	Ectromelia virus	Serology	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
	Lymphocytic choriomeningitis virus	Serology*	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
	Mycoplasma pulmonis	Serology	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
		Cultivation	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
A/B	*Salmonella* spp.	Cultivation	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
B	*Citrobacter rodentium*	Cultivation	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
	Corynebacterium kutscheri	Cultivation	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
	Rodentibacter spp. *(Pasteurella pneumotropica)*	Cultivation	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
	Dermatophytes	Cultivation	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
	Filobacterium rodentium	Serology	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
	Ectoparasites	Microscopy	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
	Intestinal protozoa	Microscopy	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
	Pinworms	Microscopy	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
	Helicobacter bilis	PCR	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
	Helicobacter hepaticus	PCR	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
C	*Pseudomonas aeruginosa*	Cultivation	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
Gross lesion			0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1

* : Tested by The Jackson Laboratory Japan, Inc.　　N.D. = Not Done

Reported on December 5, 2025 at 10:00 JST

RIKEN BioResource Research Center
Experimental Animal Division
3-1-1 Koyadai, Tsukuba, Ibaraki, 305-0074, JAPAN
Phone: +81-29-836-5264　FAX: +81-29-836-9010

佐藤佳祐

Keisuke Sato, DJCLAM, Ph.D.