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)

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Jun 2025

B)

HEALTH REPORT

Facility: RIKEN BRC Experimental Animal Division Test date: September 28, 2026 Examination No: 26212

Class	Pathogens	Methods	Sentinel Animals: Jcl:ICR ♀									
			2-1-C	2-1-D								
A	Mouse hepatitis virus	Serology	0/1	0/1								
	Sendai virus	Serology	0/1	0/1								
	Clostridium piliforme	Serology	0/1	0/1								
	Hantaan virus	Serology	N.D.	N.D.								
	Ectromelia virus	Serology	0/1	0/1								
	Lymphocytic choriomeningitis virus	Serology*	0/1	0/1								
	Mycoplasma pulmonis	Serology	0/1	0/1								
		Cultivation	0/1	0/1								
A/B	*Salmonella* spp.	Cultivation	0/1	0/1								
B	*Citrobacter rodentium*	Cultivation	0/1	0/1								
	Corynebacterium kutscheri	Cultivation	0/1	0/1								
	Rodentibacter spp. *(Pasteurella pneumotropica)*	Cultivation	0/1	0/1								
	Dermatophytes	Cultivation	N.D.	N.D.								
	Filobacterium rodentium	Serology	0/1	0/1								
	Ectoparasites	Microscopy	0/1	0/1								
	Intestinal protozoa	Microscopy	0/1	0/1								
	Pinworms	Microscopy	0/1	0/1								
	Helicobacter bilis	PCR	0/1	0/1								
	Helicobacter hepaticus	PCR	0/1	0/1								
C	*Pseudomonas aeruginosa*	Cultivation	0/1	0/1								
	Staphylococcus aureus	Cultivation	0/1	0/1								
	Pneumocystis murina	PCR	0/1	0/1								
Gross lesion			0/1	0/1								

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

Reported on October 19, 2026 at 17:00 JST

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C)

HEALTH REPORT

Facility: RIKEN BRC Experimental Animal Division Test date: September 28, 2026 Examination No: 26214

Class	Pathogens	Methods	Sentinel Animals: BALB/cA-nu/+ ♀									
			2-4-A	2-4-B	2-4-C	2-4-E						
A	Mouse hepatitis virus	Serology	0/1	0/1	0/1	0/1						
	Sendai virus	Serology	0/1	0/1	0/1	0/1						
	Clostridium piliforme	Serology	0/1	0/1	0/1	0/1						
	Hantaan virus	Serology	N.D.	N.D.	N.D.	N.D.						
	Ectromelia virus	Serology	0/1	0/1	0/1	0/1						
	Lymphocytic choriomeningitis virus	Serology*	0/1	0/1	0/1	0/1						
	Mycoplasma pulmonis	Serology	0/1	0/1	0/1	0/1						
		Cultivation	0/1	0/1	0/1	0/1						
A/B	*Salmonella* spp.	Cultivation	0/1	0/1	0/1	0/1						
B	*Citrobacter rodentium*	Cultivation	0/1	0/1	0/1	0/1						
	Corynebacterium kutscheri	Cultivation	0/1	0/1	0/1	0/1						
	Rodentibacter spp. *(Pasteurella pneumotropica)*	Cultivation	0/1	0/1	0/1	0/1						
	Dermatophytes	Cultivation	N.D.	N.D.	N.D.	N.D.						
	Filobacterium rodentium	Serology	0/1	0/1	0/1	0/1						
	Ectoparasites	Microscopy	0/1	0/1	0/1	0/1						
	Intestinal protozoa	Microscopy	0/1	0/1	0/1	0/1						
	Pinworms	Microscopy	0/1	0/1	0/1	0/1						
	Helicobacter bilis	PCR	0/1	0/1	0/1	0/1						
	Helicobacter hepaticus	PCR	0/1	0/1	0/1	0/1						
C	*Pseudomonas aeruginosa*	Cultivation	0/1	0/1	0/1	0/1						
	Staphylococcus aureus	Cultivation	0/1	0/1	0/1	0/1						
	Pneumocystis murina	PCR	0/1	0/1	0/1	0/1						
Gross lesion			0/1	0/1	0/1	0/1						

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D)

HEALTH REPORT

Facility: RIKEN BRC Experimental Animal Division Test date: September 28, 2026 Examination No: 26216

Class	Pathogens	Methods	Sentinel Animals: BALB/cA-nu/+ ♀									
			2-Q-D	2-Q-E	2-Q-I	2-Q-K	2-Q-L	2-Q-M	2-Q-N			
A	Mouse hepatitis virus	Serology	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			
	Clostridium piliforme	Serology	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.			
	Ectromelia virus	Serology	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			
	Mycoplasma pulmonis	Serology	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			
A/B	*Salmonella* spp.	Cultivation	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			
	Corynebacterium kutscheri	Cultivation	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			
	Dermatophytes	Cultivation	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			
	Ectoparasites	Microscopy	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			
	Pinworms	Microscopy	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			
	Helicobacter hepaticus	PCR	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			
	Staphylococcus aureus	Cultivation	0/1	0/1	0/1	0/1	0/1	0/1	0/1			
	Pneumocystis murina	PCR	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			

** lung adenoma

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Class	Pathogens	Methods	Sentinel Animals: BALB/cA-nu/+ ♀									
			2-Q-D	2-Q-E	2-Q-I	2-Q-K	2-Q-L	2-Q-M	2-Q-N			
D	Mouse Adenovirus (Type 1 & 2)	MFIA*	0/1	0/1	0/1	0/1	0/1	0/1	0/1			
	Mouse cytomegalovirus (MCMV)	MFIA*	0/1	0/1	0/1	0/1	0/1	0/1	0/1			
	Mouse minute virus (MMV)	MFIA*	0/1	0/1	0/1	0/1	0/1	0/1	0/1			
	Mouse parvovirus (MPV)	MFIA*	0/1	0/1	0/1	0/1	0/1	0/1	0/1			
	Mouse norovirus (MNV)	MFIA*	0/1	0/1	0/1	0/1	0/1	0/1	0/1			
	Mouse rotavirus (EDIM)	MFIA*	0/1	0/1	0/1	0/1	0/1	0/1	0/1			
	Pneumonia virus of mice (PVM)	MFIA*	0/1	0/1	0/1	0/1	0/1	0/1	0/1			
	Reovirus type 3 (Reo 3)	MFIA*	0/1	0/1	0/1	0/1	0/1	0/1	0/1			
	Theiler's mouse encephalomielitis virus (TMEV)	MFIA*	0/1	0/1	0/1	0/1	0/1	0/1	0/1			
	Mouse polyomavirus	MFIA*	0/1	0/1	0/1	0/1	0/1	0/1	0/1			
	Lactate dehydrogenase elevating virus	MFIA*	0/1	0/1	0/1	0/1	0/1	0/1	0/1			

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