## Health Monitoring Report RIKEN BioResource Center

RIKEN BioResource Center adopts the sentinel mouse program, which is specialized for the micro isolator 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 bimonthly for our examination.

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 immuno-deficient 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 mouse colonies hence mice are submitted to class D examination by request at recipient's charge.

Top of 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
А	<i>C.piliforme</i> , Ectromelia virus, Hantaan virus, Lymphocytic choriomeningitis virus (LCMV), Mouse hepatitis virus (MHV), <i>M.pulmonis</i> , Sendai virus (HVJ)
В	<i>C.rodentium</i> , <i>C.kutscheri</i> , <i>F.rodentium</i> ('CAR bacillus') <i>P.pneumotropica</i> , <i>Salmonella</i> spp., <i>H.bilis</i> , <i>H.hepaticus</i> , Dermatophytes, Ectoparasites, Intestinal protozoa, Pinworms
С	S.aureus, P.aeruginosa, P.muria
D	Pneumonia virus of mice (PVM), Theiler's mouse encephalomyelitis virus (TMEV/GDVII), Mouse minute virus (MMV), Mouse parvovirus (MPV), Mouse polyoma virus (Poly), Reovirus type 3 (Reo3), Mouse adenovirus (MAV), Mouse rotavirus (EDIM), Mouse cytomegalovirus (MCMV), Lactate dehydrogenase elevating virus (LDHEV), Mouse norovirus (MNV)

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## **HEALTH REPORT**

	Facility: RIKEN B	RC Experimer	tal Anima	l Division		Test	date: Jun	e 5, 2017	. * •	Exan	nination N	lo: 17128
Class	Pathogen(s)	Method(s)			S	entinel A	nimal(s)	Examination No: 17128 우				
			3-2-A	3-2-B	3-2-C	3-2-D	3-3-A	3-3-B	/c-nu/+ 3-3-C	3-3-D	3-5-A	3-5-B
	Mouse hepatitis virus	Serology	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
	Clostridium piliforme	Serology	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	
А	Hantaan virus	Serology						- 0/1	0/1	0/1	0/1	0/1
	Ectromelia virus	Serology	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/4	0/4
	Lymphocytic choriomeningitis virus	Serology	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
		Cultivation	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
	Citrobacter rodentium	Cultivation	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
	Pasteurella pneumotropica	Cultivation	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
	Dermatophytes	Cultivation			- 0/1	- 0/1	0/1	0/1	0/1	0/1	0/1	0/1
R	Filobacterium rodentium*	Serology	0/1	0/1	0/1	0/1	0/1	- 0/4	0/4			
	Ectoparasites	Microscopy	0/1	0/1	0/1	0/1		0/1	0/1	0/1	0/1	0/1
A/B A/B B I F F F F F F	Intestinal protozoa	Microscopy	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
	D.	Microscopy	0/1	0/1	0/1		0/1	0/1	0/1	0/1	0/1	0/1
		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	0/1	0/1	0/1	0/1	0/1	0/1
С	Pseudomonas aeruginosa			0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
C Pseudomonas aeruginosa Cultivation 0/ Gross lesion 0/				0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
	* Formerly known as "CAR bacillus"	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	

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## **HEALTH REPORT**

Method(s)         Method(s)         3-5-C         3-5-D         3-6-A         3-6-B         3-6-C	Class	Pathogen(s)		tal Animal Division Testdate: June 5, 2017							Examination No: 171		
Induse nepatitis virus         Serology         0/1<			Method(s)	3-5-0	350	264		<u>Animal(s)</u>		/c-nu/+	<u> </u>		
Sendar virus         Serology         0/1		Mouse hepatitis virus	Serology										
Clostridium piliforme         Serology         0/1 </td <td></td>													
A         Hantaan virus         Serology         Image: Markaan virus         One of the optimization         One optimization		Clostridium piliforme											
Ectromelia virus         Serology         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				
Lymphocytic choriomeningitis virus         Serology         0/1			Serology	0/1	0/1	0/1	0/4	0/4					
Mycoplasma pulmonis         Serology         0/1 <td>ļ</td> <td>Lymphocytic choriomeningitis virus</td> <td></td>	ļ	Lymphocytic choriomeningitis virus											
Cultivation         Cultivation         0/1		Mycoplasma pulmonis											
A/B         Salmonella spp.         Cultivation         0/1			Cultivation										
Citrobacter rodentium         Cultivation         0/1         0/		Salmonella spp.											
Corynebacterium kutscheri         Cultivation         0/1 </td <td rowspan="2"></td> <td>Citrobacter rodentium</td> <td></td>		Citrobacter rodentium											
Pasteurella pneumotropica         Cultivation         0/1 </td <td>Corynebacterium kutscheri</td> <td></td>		Corynebacterium kutscheri											
B         Dermatophytes         Cultivation         0/1	4	Pasteurella pneumotropica											
B         Filobacterium rodentium*         Serology         0/1<	B []          				- 0/1			0/1	0/1				
Ectoparasites         Microscopy         0/1				0/1	0/1	0/1	0/1	0/4					
Intestinal protozoa         Microscopy         0/1 </td <td></td>													
Pinworms         Microscopy         0/1		ntestinal protozoa									. N		
Helicobacter bilis         PCR         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           C         Pseudomonas aeruginosa         Cultivation         0/1         0/1         0/1         0/1         0/1         0/1		Pinworms											
Helicobacter hepaticusPCR0/10/10/10/10/1CPseudomonas aeruginosaCultivation0/10/10/10/10/1		Helicobacter bilis											
C Pseudomonas aeruginosa Cultivation 0/1 0/1 0/1 0/1 0/1		lelicobacter hepaticus	PCR										
	<u>C</u> [F	Pseudomonas aeruginosa	Cultivation	0/1	0/1	0/1	0/1						
Gross lesion 0/1 0/1 0/1 0/1 0/1	Gross lesion * Formerly known as "CAR bacillus"								and the second se				

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