Health Monitoring Report RIKEN BioResource Research Center

RIKEN BioResource Research 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 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.kutscheri</i> , <i>C.rodentium</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	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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		Facility: RIKEN BRC Experimenta						May 27, 2	019	Examination No: 19096			
Class	Pathogen(s)	Method(s)			Se	entinel Ar	nimal(s) :	BALB/	cA-nu/+	9			
	3 (<i>i</i>)		4-A-A	4-A-B	4-A-C	4-A-D	4-A-E	4-A-F	4-A-G	4-A-H	4-A-I	4-A-J	
	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	0/1	
Α	Hantaan virus	Serology	0/1	0/1	0/1	0/1	0/1	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	0/1	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	
	Mycoplasma pulmonis	Serology	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	
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	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	0/1	0/1	
В	Filobacterium rodentium*	Serology	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	
D	Ectoparasites	Microscopy	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	
	Pinworms	Microscopy	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	
	Helicobacter hepaticus	PCR	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	
С	Pseudomonas aeruginosa	Cultivation	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	
	Formarly known on ICAP havillus			** 01						0			

* Formerly known as 'CAR bacillus'

** Splenomegaly and thymoma

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		Facility: RIKE	y: RIKEN BRC Experimental Animal Division Testdate: May 27, 2019							Examination No: 19096			
Class	3 ()	Method(s)	Sentinel Animal(s) : BALB/cA-nu/+ 우										
Class		Method(s)	4-A-K	4-A-L	4-B-A	4-B-B	4-B-C	4-B-D	4-B-E	4-B-F	4-B-G	4-B-H	
	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	0/1	
Α	Hantaan virus	Serology	0/1	0/1	0/1	0/1	0/1	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	0/1	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	
	Mycoplasma pulmonis	Serology	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	
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	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	0/1	0/1	
В	Filobacterium rodentium*	Serology	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	
D	Ectoparasites	Microscopy	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	
	Pinworms	Microscopy	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	
	Helicobacter hepaticus	PCR	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	
С	Pseudomonas aeruginosa	Cultivation	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		
<u>بە</u>	Formarly known on ICAP basillus!												

* Formerly known as 'CAR bacillus'

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		N BRC Experimental Animal Division Testdate: May 27, 20						019	Examination No: 19096			
Pathogen(s)	Method(s)	Sentinel Animal(s) : BALB/cA-nu/+ 우										
		4-B-I	4-B-J	4-B-K	4-B-L	4-C-A	4-C-B	4-C-C	4-C-D	4-C-E	4-C-F	
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	0/1	
Hantaan virus	Serology	0/1	0/1	0/1	0/1	0/1	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	0/1	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	
Mycoplasma pulmonis	Serology	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	
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	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	0/1	0/1	
Filobacterium rodentium*	Serology	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	
Intestinal protozoa	Microscopy	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	
Helicobacter bilis	PCR	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	
Pseudomonas aeruginosa	Cultivation	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		
	Mouse hepatitis virus Sendai virus Clostridium piliforme Hantaan virus Ectromelia virus Lymphocytic choriomeningitis virus Mycoplasma pulmonis Salmonella spp. Citrobacter rodentium Corynebacterium kutscheri Pasteurella pneumotropica Dermatophytes Filobacterium rodentium * Ectoparasites Intestinal protozoa Pinworms Helicobacter bilis Helicobacter hepaticus Pseudomonas aeruginosa	Mouse hepatitis virusSerologySendai virusSerologyClostridium piliformeSerologyClostridium piliformeSerologyHantaan virusSerologyEctromelia virusSerologyCutromelia virusSerologyLymphocytic choriomeningitis virusSerologyMycoplasma pulmonisSerologyCultivationSerologyCultivationCultivationSalmonella spp.CultivationCorynebacter rodentiumCultivationCorynebacterium kutscheriCultivationPasteurella pneumotropicaCultivationCorparasitesMicroscopyItobacter bilisPCRHelicobacter bilisPCRPesudomonas aeruginosaCultivationGross lesionEcology	Mouse hepatitis virusSerology0/1Sendai virusSerology0/1Clostridium piliformeSerology0/1Hantaan virusSerology0/1Ectromelia virusSerology0/1Lymphocytic choriomeningitis virusSerology0/1Mycoplasma pulmonisSerology0/1Cultivation0/1Cultivation0/1Cultivation0/1Cultivation0/1Corynebacter rodentiumCultivationCorynebacterium kutscheriCultivationCultivation0/1CorganasitesCultivationCoparasitesMicroscopyMicroscopy0/1PinwormsMicroscopyMicroscopy0/1PinwormsMicroscopyO/1PCRO/1Gross lesionO/1O/1	Mouse hepatitis virusSerology0/10/1Sendai virusSerology0/10/1Clostridium piliformeSerology0/10/1Lantaan virusSerology0/10/1Ectromelia virusSerology0/10/1Lymphocytic choriomeningitis virusSerology0/10/1Lymphocytic choriomeningitis virusSerology0/10/1Mycoplasma pulmonisSerology0/10/1Cultivation0/10/10/1Cultivation0/10/1Cultivation0/10/1Corynebacter rodentiumCultivation0/1Corynebacterium kutscheriCultivation0/1Corynebacterium rodentium*Serology0/1CoparasitesMicroscopy0/1Pilobacter bilisPCR0/1PinwormsMicroscopy0/1Helicobacter bilisPCR0/1PinwormsO/10/1Corss lesion0/10/1	Pathogen(s) Method(s) 4-B-I 4-B-J 4-B-K Mouse hepatitis virus Serology 0/1 0/1 0/1 Sendai virus Serology 0/1 0/1 0/1 Clostridium piliforme Serology 0/1 0/1 0/1 Lantaan virus Serology 0/1 0/1 0/1 Lymphocytic choriomeningitis virus Serology 0/1 0/1 Mycoplasma pulmonis Serology 0/1 0/1 0/1 Salmonella spp. Cultivation 0/1 0/1 0/1 Citrobacter rodentium Cultiva	Patriogen(s) Mierrod(s) 4-B-I 4-B-J 4-B-K 4-B-L Mouse hepatitis virus Serology 0/1 0/1 0/1 0/1 0/1 Sendai virus Serology 0/1 0/1 0/1 0/1 0/1 Clostridium piliforme Serology 0/1 0/1 0/1 0/1 0/1 Lantaan virus Serology 0/1 0/1 0/1 0/1 0/1 Lymphocytic choriomeningitis 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 O/1 0/1 0/1 0/1 0/1 Salmonella spp. Cultivation 0/1 0/1 0/1 0/1 0/1 Citrobacter rodentium Cultivation 0/1 0/1 0/1 0/1 Corynebacterium kutscheri Cultivation 0/1 0/1 0/1 0/1 Corynebacterium rodentium*	Patrogen(s) Method(s) 4-B-I 4-B-J 4-B-K 4-B-L 4-C-A Mouse hepatitis virus Serology 0/1<	Pathogen(s) Interhol(s) 4-B-I 4-B-J 4-B-K 4-B-L 4-C-A 4-C-A 4-C-B Mouse hepatitis virus Serology 0/1 <t< td=""><td>Pathogen(s) Method(s) 4-B-I 4-B-J 4-B-K 4-B-L 4-C-A 4-C-B 4-C-C Mouse hepatitis virus Serology 0/1</td><td>Partogen(s) Method(s) 4-B-I 4-B-J 4-B-K 4-B-L 4-C-A 4-C-B 4-C-C 4-C-D Mouse hepatitis virus Serology 0/1 <t< td=""><td>Patriogen(s) Method(s) 4-B-I 4-B-J 4-B-L 4-C-A 4-C-B 4-C-C 4-C-D 4-C-E Mouse hepatitis virus Serology 0/1 <</td></t<></td></t<>	Pathogen(s) Method(s) 4-B-I 4-B-J 4-B-K 4-B-L 4-C-A 4-C-B 4-C-C Mouse hepatitis virus Serology 0/1	Partogen(s) Method(s) 4-B-I 4-B-J 4-B-K 4-B-L 4-C-A 4-C-B 4-C-C 4-C-D Mouse hepatitis virus Serology 0/1 <t< td=""><td>Patriogen(s) Method(s) 4-B-I 4-B-J 4-B-L 4-C-A 4-C-B 4-C-C 4-C-D 4-C-E Mouse hepatitis virus Serology 0/1 <</td></t<>	Patriogen(s) Method(s) 4-B-I 4-B-J 4-B-L 4-C-A 4-C-B 4-C-C 4-C-D 4-C-E Mouse hepatitis virus Serology 0/1 <	

* Formerly known as 'CAR bacillus'

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		Facility: RIKE	y: RIKEN BRC Experimental Animal Division					May 27, 2	Testdate: May 27, 2019			Examination No: 19096		
Class	Pathogen(s)	Method(s)	Sentinel Animal(s) : BALB/cA-nu/+											
01833			4-C-G	4-C-H	4-C-I	4-C-J	4-C-K	4-C-L						
	Mouse hepatitis virus	Serology	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						
	Clostridium piliforme	Serology	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	0/1						
~	Ectromelia virus	Serology	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						
	Mycoplasma pulmonis	Serology	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						
A/B	Salmonella spp.	Cultivation	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						
	Corynebacterium kutscheri	Cultivation	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				T		
	Dermatophytes	Cultivation	0/1	0/1	0/1	0/1	0/1	0/1						
в	Filobacterium rodentium*	Serology	0/1	0/1	0/1	0/1	0/1	0/1						
Ъ	Ectoparasites	Microscopy	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				1		
	Pinworms	Microscopy	0/1	0/1	0/1	0/1	0/1	0/1			T	1		
	Helicobacter bilis	PCR	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						
C	Pseudomonas aeruginosa	Cultivation	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				1		
	Formarly known on ICAP hanillys													

* Formerly known as 'CAR bacillus'

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