Health Certificates 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 five mice is laid on a microisolator cage rack and small parts of used cage sheets from all cages of the rack are collected into the sentinel mouse cage every two weeks. Two mice from a sentinel cage are 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									
A	<i>C.piliforme</i> , Ectromelia virus, Hantaan virus, Lymphocytic choriomeningitis virus (LCMV), Mouse hepatitis virus (MHV), <i>M.pulmonis</i> , Sendai virus (HVJ)									
В	C.rodentium, C.kutscheri, F.rodentium ('CAR bacillus') P.pneumotropica, Salmonella spp., H.bilis, H.hepaticus, 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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Facility: RIKEN BRC Experimental Animal Division Date: February 15, 2016 Examination No: 15584 Animals: BALB/c-nu/+ 우 Class Pathogens Methods 3-A-A 3-A-B 3-A-C 3-A-D 3-A-E 3-A-F 3-A-G 3-A-H 3-A-I 3-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 0/1 Sendai virus Serology 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 Α Ectromelia virus 0/1 0/1 0/1 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 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 Serology 0/1 0/1 Mycoplasma pulmonis 0/1 0/1 Cultivation 0/1 0/1 0/1 0/1 0/1 0/1 0/10/1 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 0/1 0/1 0/1 Cultivation 0/1 0/1 0/1 0/1 0/1 0/1 0/1 Corvnebacterium kutscheri Cultivation 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/10/1 0/1 Pasteurella pneumotropica Cultivation 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1Dermatophytes Cultivation 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 0/1 0/1 0/1 0/1 0/1 Microscopy 0/1 0/1 0/1 0/1 0/1 0/1 Pinworms 0/1 0/1 0/1 0/1 Microscopy 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

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^{*} Formerly known as 'CAR bacillus'

Date: February 15, 2016 Examination No: 15584 Facility: RIKEN BRC Experimental Animal Division Animals: BALB/c-nu/+ 우 Class Methods **Pathogens** 3-B-C 3-B-D 3-B-G 3-B-H 3-A-K 3-A-L 3-B-A 3-B-E 3-B-F 3-B-B 0/1 0/1 0/1 Mouse hepatitis virus l 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 0/1 0/1 0/1 0/1 Serology 0/1 Sendai virus 0/1 0/1 0/1 Clostridium piliforme 0/1 0/1 0/1 0/1 0/1 0/1 Serology 0/1 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 Lymphocytic choriomeningitis virus |Serology 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/10/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 Serology Mycoplasma pulmonis 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 Cultivation 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. 0/1 0/1 0/1 Cultivation 0/1 0/1 0/1 0/1 0/1 0/1 Citrobacter rodentium 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 Cultivation 0/1 0/1 0/1 Corvnebacterium kutscheri 0/1 0/1 0/1 0/1 0/1 0/1 0/1Pasteurella pneumotropica Cultivation 0/1 0/1 0/1 Cultivation Dermatophytes 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 Ectoparasites 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 Microscopy 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 Microscopy 0/1 0/1 0/1 Intestinal protozoa 0/1 0/1 Microscopy 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 l Pinworms 0/1 0/1 0/1 0/1 PCR 0/1 0/1 0/1 0/1 0/1 0/1 Helicobacter bilis 0/1 0/1 0/1 0/1 **PCR** 0/1 0/1 0/1 0/1 0/1 0/1 Helicobacter hepaticus 0/1 0/1 0/1 Cultivation 0/1 0/1 0/1 0/1 0/1 0/1 0/1 Pseudomonas aeruginosa 0/1

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Gross lesion

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^{*} Formerly known as 'CAR bacillus'

Facility: RIKEN BRC Experimental Animal Division Date: February 15, 2016 Examination No: 15584 Animals: BALB/c-nu/+ 우 Class **Pathogens** Methods 3-C-D 3-C-E 3-B-I 3-B-J 3-C-A 3-C-B 3-C-C 3-C-F 3-B-K 3-B-L 0/1 0/1 0/1 0/1 0/1 0/1 0/1 Mouse hepatitis virus Serology 0/1 0/1 0/1 Serology 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 Sendai virus 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 Clostridium piliforme Serology 0/1 Serology Hantaan virus 0/1 0/1 0/1 0/1 0/1 Serology 0/1 0/1 0/1 0/1 0/1 Ectromelia virus 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 0/1 0/1 0/1 0/1 0/1 0/1 Serology 0/1 0/1 Mycoplasma pulmonis 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 Cultivation 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 A/B | Salmonella spp. 0/1 0/1 0/1 0/1 0/1 0/1 0/1 Cultivation 0/1 0/1 0/1 Citrobacter rodentium 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 Pasteurella pneumotropica Cultivation 0/1 0/1 0/1 0/1 0/1 0/1 Cultivation Dermatophytes 0/1 Filobacterium rodentium * 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 Serology 0/1 0/1 0/1 0/1 Microscopy 0/1 0/1 0/1 0/1 0/1 0/1 Ectoparasites 0/1 Microscopy 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 Intestinal protozoa 0/1 0/1 0/1 0/1 Microscopy 0/1 0/1 0/1 0/1 0/1 0/1 Pinworms 0/1 PCR 0/1 0/1 0/1 0/1 0/1 0/1 Helicobacter bilis 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 Helicobacter hepaticus 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

Gross lesion

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^{*} Formerly known as 'CAR bacillus'

Facility: RIKEN BRC Experimental Animal Division Date: February 15, 2016 Examination No: 15584 Animals: BALB/c-nu/+ 오 Class **Pathogens** Methods 3-C-G 3-C-H 3-C-J 3-C-K 3-C-I 3-C-L 3-D-A 3-D-B 3-D-C 3-D-D Mouse hepatitis virus Serology 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 Serology 0/1 0/1 0/1 0/1 0/1 Sendai virus 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 lHantaan virus Serology Α 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 Serology 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 Mycoplasma pulmonis 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 Corvnebacterium kutscheri Cultivation 0/1 0/1 0/10/1 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 Serology 0/1 0/1 0/1 0/1 0/1 0/1 Filobacterium rodentium * 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 Microscopy Intestinal protozoa 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 Microscopy Pinworms 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 PCR Helicobacter hepaticus 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 Cultivation Pseudomonas aeruginosa 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

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	Facility: RIKEN BF	RC Experimen	imental Animal Division			Date: February 15, 2016					Examination No: 15584		
Class	Pathogens	Methods	Animals: BALB/c-nu/+ 우										
			3-D-E	3-D-F	3-D-G	3-D-H	3-D-I	3-D-J	3-D-K	3-D-L			
A	Mouse hepatitis virus	Serology	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			
	Clostridium piliforme	Serology	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1			
	Hantaan virus	Serology				·							
	Ectromelia virus	Serology	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			
	Mycoplasma pulmonis	Serology	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			
A/B	Salmonella spp.	Cultivation	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1			
В	Citrobacter rodentium	Cultivation	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			
	Pasteurella pneumotropica	Cultivation	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1			
	Dermatophytes	Cultivation											
	Filobacterium rodentium*	Serology	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			
	Intestinal protozoa	Microscopy	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			
	Helicobacter bilis	PCR	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			
С	Pseudomonas aeruginosa	Cultivation	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	**			

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**Lung adenoma

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