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
A	C.piliforme, Ectromelia virus, Hantaan virus, Lymphocytic choriomeningitis virus (LCMV), Mouse hepatitis virus (MHV), M.pulmonis, Sendai virus (HVJ)
В	C.kutscheri, C.rodentium, F.rodentium ("CAR bacillus") P.pneumotropica, Salmonella spp., H.bilis, H.hepaticus, 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)

Fumio Ike, Ph.D.

Experimental Animal Division

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Facility: RIKEN BRC Experimental Animal Division

	A	40	0040	
Testdate:	Anril	16	2018	

Examinatio	n No:	18002

I admity. MINERA DINO Experimen												
Class	Pathogens	Methods	Sentinel Animals: BALB/cA-nu/+ 우									
		INICHIOUS	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
	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
A	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
P	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

^{*} Formerly known as "CAR bacillus"

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Fumio Ike, Ph.D.

Testdate: April 16, 2018 Examination No: 18002 Facility: RIKEN BRC Experimental Animal Division Sentinel Animals: BALB/cA-nu/+ 우 **Pathogens** Methods Class 3-B-B 3-B-C 3-B-D 3-B-E 3-B-F 3-B-G 3-B-H 3-A-K 3-A-L 3-B-A 0/1 0/1 0/1 0/1 Serology 0/1 0/1 0/1 0/1 Mouse hepatitis virus 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 Sendai virus 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 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 Ectromelia virus Serology 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 Mycoplasma pulmonis 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 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 Citrobacter rodentium 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 Corvnebacterium 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 Cultivation 0/1 0/1 0/1 0/1 0/1 0/1 Dermatophytes 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 0/1 0/1 0/1 Microscopy 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 Intestinal protozoa Microscopy 0/1 0/1 Microscopy 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 Pinworms 0/1 0/1 Helicobacter bilis PCR 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 PCR 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 0/1 0/1 0/1 0/1 Pseudomonas aeruginosa Cultivation 0/1 0/1 0/1 0/1

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Gross lesion

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Fumio Ike, Ph.D.

^{*} Formerly known as "CAR bacillus"

^{0/1} ** Subcutaneous nodule

Facility: RIKEN BRC Experimental Animal Division Testdate: April 16, 2018 Examination No: 18002 Sentinel Animals: BALB/cA-nu/+ 오 **Pathogens** Class Methods 3-B-I 3-B-J 3-B-K 3-B-L 3-C-A 3-C-B 3-C-C 3-C-D 3-C-E 3-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 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 0/1 0/1 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 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* 0/1 Serology 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

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^{*} Formerly known as "CAR bacillus"

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HEALTH REPORT

Examination No: 18002 Facility: RIKEN BRC Experimental Animal Division Testdate: April 16, 2018 Sentinel Animals: BALB/cA-nu/+ \$ **Pathogens** Methods Class 3-D-B 3-D-C 3-D-D 3-C-G 3-C-H 3-C-I 3-C-J 3-C-K 3-C-L 3-D-A 0/1 Serology 0/1 0/1 0/1 0/1 0/1 0/1 0/1 Mouse hepatitis virus 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 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 0/1 0/1 0/1 0/1 0/1 0/1 Serology 0/1 0/1 0/1 0/1 lHantaan virus 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 Serology 0/1 Ectromelia virus 0/1 0/1 Serology 0/1 0/1 0/1 0/1 0/1 0/1 Lymphocytic choriomeningitis virus 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 Mycoplasma pulmonis 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 Cultivation 0/1 0/1 0/1 A/B Salmonella spp. 0/1 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 Cultivation 0/1 0/1 0/1 0/1 0/1 0/1 0/1 Cultivation 0/1 0/1 0/1 Corynebacterium kutscheri 0/1 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 Cultivation 0/1 0/1 0/1 0/1 0/1 0/1 Dermatophytes 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 В 0/1 0/1 0/1 0/1 0/1 0/1 Ectoparasites 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 0/1 Intestinal protozoa Microscopy 0/1 0/1 0/1 Microscopy 0/1 0/1 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 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 Cultivation 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 Pseudomonas aeruginosa

Gross lesion

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Fumio Ike, Ph.D.

^{*} Formerly known as "CAR bacillus"

Facility: RIKEN BRC Experimental Animal Division Testdate: April 16, 2018 Examination No: 18002

Class		Methods	Sentinel Animals: BALB/cA-nu/+ 우								
		ivietrious	3-D-E	3-D-F	3-D-G	3-D-H	3-D-I	3-D-J	3-D-K	3-D-L	
	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	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	
A	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	
	INIYOODIASIIIA PUIITIOIIIS	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	
	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	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	
	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	0/1	0/1	

^{*} Formerly known as "CAR bacillus"

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