

# 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 layed 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 or quarterly; one is for our in-house examination and another is sent to the ICLAS monitoring center of Central Institute for Laboratory Animals, Kawasaki, Japan. The attached is a copy of the newest HEALTH CERTIFICATE guaranteed by the veterinarian of the ICLAS monitoring center.

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 the certain pathogens which are believed not to exist in the Japanese mouse colony 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 animal 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, Lymphocytic choriomeningitis virus (LCMV), Mouse hepatitis virus (MHV), <i>M.pulmonis</i> , Sendai virus (HVJ)
B	<i>C.rodentium</i> , <i>C.kutscheri</i> , Dermatophytes, <i>P.pneumotropica</i> , <i>Salmonella</i> spp., <i>H.hepaticus</i> , <i>H.bilis</i> , Ectoparasites, Intestinal protozoa, Pinworms
C	<i>S.aureus</i> , <i>P.aeruginosa</i> , <i>P.carinii</i>
D	Pneumonia virus of mice (PVM), Mouse <i>encephalomyelitis</i> virus (TMEV/GDVII), Minute virus of mouse (MVM), Reovirus type 3 (Reo3), Mouse adenovirus (MAV), Mouse rotavirus (EDIM), Mouse cytomegalovirus (MCMV), Lactate dehydrogenase elevating virus (LDHEV)

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# HEALTH CERTIFICATE

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Facility: RIKEN BRC Experimental Animal Division Date: May 17, 2010

Examination No: 10092

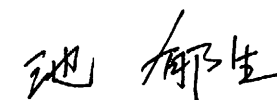
Class	Pathogens	Methods	Animals: BALB/c-nu/+ ♀									
			4-A-A	4-A-B	4-A-C	4-A-D	4-A-E	4-A-F	4-A-G	4-A-H	4-A-I	4-A-J
A	Mouse hepatitis virus	Serology	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
	Sendai virus	Serology	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
	<i>Clostridium piliforme</i>	Serology	0/1	0/1	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
	<i>Mycoplasma pulmonis</i>	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	<i>Salmonella</i> spp.	Cultivation	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
	<i>Citrobacter rodentium</i>	Cultivation	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
	<i>Corynebacterium kutscheri</i>	Cultivation	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
	<i>Pasteurella pneumotropica</i>	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
	CAR bacillus	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
	<i>Helicobacter bilis</i>	PCR	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
	<i>Helicobacter hepaticus</i>	PCR	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
C	<i>Pseudomonas aeruginosa</i>	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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# HEALTH CERTIFICATE

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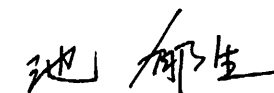
Facility: RIKEN BRC Experimental Animal Division Date: May 17, 2010

Examination No: 10092

Class	Pathogens	Methods	Animals: BALB/c-nu/+ ♀									
			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
A	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
	<i>Clostridium piliforme</i>	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
	<i>Mycoplasma pulmonis</i>	Serology	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
A/B	<i>Salmonella</i> spp.	Cultivation	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
	<i>Citrobacter rodentium</i>	Cultivation	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
B	<i>Corynebacterium kutscheri</i>	Cultivation	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
	<i>Pasteurella pneumotropica</i>	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
	CAR bacillus	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
	<i>Helicobacter bilis</i>	PCR	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
	<i>Helicobacter hepaticus</i>	PCR	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
	C	<i>Pseudomonas aeruginosa</i>	Cultivation	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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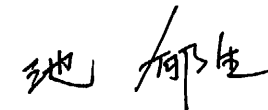
Class	Pathogens	Methods	Animals: BALB/c-nu/+ ♀									
			4-B-I	4-B-J	4-B-K	4-B-L	4-C-A	4-C-B	4-C-C	4-C-D	4-C-E	4-C-F
A	Mouse hepatitis virus	Serology	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
	Sendai virus	Serology	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
	<i>Clostridium piliforme</i>	Serology	0/1	0/1	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
	<i>Mycoplasma pulmonis</i>	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	<i>Salmonella</i> spp.	Cultivation	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
B	<i>Citrobacter rodentium</i>	Cultivation	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
	<i>Corynebacterium kutscheri</i>	Cultivation	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
	<i>Pasteurella pneumotropica</i>	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
	CAR bacillus	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
	<i>Helicobacter bilis</i>	PCR	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
	<i>Helicobacter hepaticus</i>	PCR	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
C	<i>Pseudomonas aeruginosa</i>	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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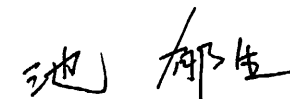
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			4-C-G	4-C-H	4-C-I	4-C-J	4-C-K	4-C-L			
A	Mouse hepatitis virus	Serology	0/1	0/1	0/1	0/1	0/1	0/1			
	Sendai virus	Serology	0/1	0/1	0/1	0/1	0/1	0/1			
	<i>Clostridium piliforme</i>	Serology	0/1	0/1	0/1	0/1	0/1	0/1			
	Hantaan virus	Serology	0/1	0/1	0/1	0/1	0/1	0/1			
	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			
	<i>Mycoplasma pulmonis</i>	Serology	0/1	0/1	0/1	0/1	0/1	0/1			
A/B	<i>Salmonella</i> spp.	Cultivation	0/1	0/1	0/1	0/1	0/1	0/1			
	<i>Citrobacter rodentium</i>	Cultivation	0/1	0/1	0/1	0/1	0/1	0/1			
B	<i>Corynebacterium kutscheri</i>	Cultivation	0/1	0/1	0/1	0/1	0/1	0/1			
	<i>Pasteurella pneumotropica</i>	Cultivation	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			
	CAR bacillus	Serology	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			
	Intestinal protozoa	Microscopy	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			
	<i>Helicobacter bilis</i>	PCR	0/1	0/1	0/1	0/1	0/1	0/1			
	<i>Helicobacter hepaticus</i>	PCR	0/1	0/1	0/1	0/1	0/1	0/1			
	C	<i>Pseudomonas aeruginosa</i>	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			

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