

HEALTH MONITORING REPORT (November 2017)

Species: MICE

Agents	Area	A11	A12	A13	A14
	Strains & Stocks	CAnN.Cg-Foxn1 <sup>nu</sup> /CrIcrIj <sup>4</sup> CrIj:CD1-Foxn1 <sup>nu</sup> <sup>4</sup>	CAnN.Cg-Foxn1 <sup>nu</sup> /CrIcrIj <sup>4</sup>	JAX <sup>®</sup> Mice Strain C57BL/6J C57BL/6NcrI	JAX <sup>®</sup> Mice Strain SJL/J <sup>3</sup> JAX <sup>®</sup> Mice Strain CBA/J NC/NgaTndCrIj, CrI:CD1(ICR) B6N-Tyr <sup>c-Brd</sup> /BrdCrCrI
	Test period Technique	November 1 - 24	November 1 - 24	November 1 - 24	November 1 - 24
<b>VIRUSES</b>					
Sendai Virus <sup>1</sup> (m)	MFIA	0/8	0/8	0/8	0/8
Pneumonia Virus of Mice <sup>1</sup> (m)	MFIA	0/8	0/8	0/8	0/8
Mouse Hepatitis Virus <sup>1</sup> (m)	MFIA	0/8	0/8	0/8	0/8
Minute Virus of Mice <sup>1</sup> (m)	MFIA	0/8	0/8	0/8	0/8
Mouse Parvovirus (1 or 2) <sup>1</sup> (m)	MFIA	0/8	0/8	0/8	0/8
Murine Norovirus <sup>1</sup> (m)	MFIA	0/8	0/8	0/8	0/8
Theiler's Murine Encephalomyelitis Virus <sup>1</sup> (m)	MFIA	0/8	0/8	0/8	0/8
Reovirus <sup>1</sup> (m)	MFIA	0/8	0/8	0/8	0/8
Epizootic Diarrhea of Infant Mice Virus <sup>1</sup> (m)	MFIA	0/8	0/8	0/8	0/8
Lymphocytic Choriomeningitis Virus <sup>1</sup> (q)	MFIA	0/8	0/8	0/8	0/8
Ectromelia Virus <sup>1</sup> (q)	MFIA	0/8	0/8	0/8	0/8
Mouse Adenovirus (1 or 2) <sup>1</sup> (q)	MFIA	0/8	0/8	0/8	0/8
Mouse Cytomegalovirus <sup>1</sup> (q)	MFIA	0/8	0/8	0/8	0/8
Mouse Pneumonitis Virus <sup>1</sup> (q)	MFIA	0/8	0/8	0/8	0/8
Polyoma Virus <sup>1</sup> (q)	MFIA	0/8	0/8	0/8	0/8
Hantaan Virus <sup>1</sup> (q)	MFIA	0/8	0/8	0/8	0/8
Mouse Thymic Virus <sup>1</sup> (q)	MFIA	0/8	0/8	0/8	0/8
<b>BACTERIA</b>					
<i>Bordetella bronchiseptica</i> (m)	Culture	0/12	0/12	0/8	0/8
<i>Citrobacter rodentium</i> (m)	Culture	0/8	0/8	0/8	0/8
<i>Corynebacterium kutscheri</i> (m)	Culture	0/12	0/12	0/8	0/8
<i>Pasteurella pneumotropica</i> (m)	Culture	0/12	0/12	0/8	0/8
<i>Pseudomonas aeruginosa</i> <sup>2</sup> (m)	Culture	0/12	0/12	0/8	0/8
<i>Salmonella</i> spp. (m)	Culture	0/12	0/12	0/8	0/8
<i>Streptococcus pneumoniae</i> (m)	Culture	0/12	0/12	0/8	0/8
<i>Staphylococcus aureus</i> <sup>2</sup> (m)	Culture	0/12	0/12	-	-
<i>Helicobacter hepaticus</i> (q)	PCR	0/12	0/12	0/8	0/8
<i>Helicobacter bilis</i> (q)	PCR	0/12	0/12	0/8	0/8
<i>Helicobacter</i> spp. (q)	PCR	0/12	0/12	0/8	0/8
<i>Streptobacillus moniliformis</i> (q)	PCR	0/12	0/12	0/8	0/8
<i>Mycoplasma pulmonis</i> <sup>1</sup> (m)	PCR/MFIA	0/12	0/12	0/8	0/8
<i>Clostridium piliforme</i> (Tyzzer's Disease) <sup>1</sup> (m)	Lesions/MFIA	0/12	0/12	0/12	0/12
CAR bacillus <sup>1</sup> (q)	MFIA	0/8	0/8	0/8	0/8
<b>PARASITES AND FUNGI</b>					
Ectoparasites (m)	Direct Examination	0/12	0/12	0/8	0/8
Pinworms (m)	Direct Examination	0/12	0/12	0/12	0/12
Gastrointestinal protozoa (m)	Direct Examination	0/8	0/8	0/8	0/8
<i>Encephalitozoon cuniculi</i> <sup>1</sup> (q)	MFIA	0/8	0/8	0/8	0/8
<i>Pneumocystis</i> spp. <sup>2</sup> (q)	PCR	0/4	0/4	-	-

Monitoring frequency: (m) monthly, (q) quarterly

Tested by Charles River Laboratories Japan, Inc.

Remarks: 1: Serology on immunocompetent animals from each colony

2: Not considered as specific pathogens for immunocompetent strains

3: Not tested strains or stocks; monitoring on parents or other strains in the area

4: Monitoring on both *nu/nu* and *nu/+* mice

日本チャールス・リバー株式会社  
品質保証部マネジャー 川西正彦

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HEALTH MONITORING REPORT (November 2017)

Species: MICE

Agents	Area	A15	A23	A24	A25
	Strains & Stocks	JAX <sup>®</sup> Mice Strain C57BL/6J C57BL/6NCrl	BALB/cAnNCrIcrlj DBA/2NCrIcrlj CD2F1/Crlj <sup>3</sup>	CAnN.Cg-Foxn1 <sup>nu</sup> /CrIcrlj <sup>4</sup>	JAX <sup>®</sup> Mice Strain C57BL/6J
	Test period Technique	November 1 - 24	November 6 - 24	November 1 - 24	November 6 - 24
<b>VIRUSES</b>					
Sendai Virus <sup>1</sup> (m)	MFIA	0/8	0/8	0/8	0/8
Pneumonia Virus of Mice <sup>1</sup> (m)	MFIA	0/8	0/8	0/8	0/8
Mouse Hepatitis Virus <sup>1</sup> (m)	MFIA	0/8	0/8	0/8	0/8
Minute Virus of Mice <sup>1</sup> (m)	MFIA	0/8	0/8	0/8	0/8
Mouse Parvovirus (1 or 2) <sup>1</sup> (m)	MFIA	0/8	0/8	0/8	0/8
Murine Norovirus <sup>1</sup> (m)	MFIA	0/8	0/8	0/8	0/8
Theiler's Murine Encephalomyelitis Virus <sup>1</sup> (m)	MFIA	0/8	0/8	0/8	0/8
Reovirus <sup>1</sup> (m)	MFIA	0/8	0/8	0/8	0/8
Epizootic Diarrhea of Infant Mice Virus <sup>1</sup> (m)	MFIA	0/8	0/8	0/8	0/8
Lymphocytic Choriomeningitis Virus <sup>1</sup> (q)	MFIA	0/8	0/8	0/8	0/8
Ectromelia Virus <sup>1</sup> (q)	MFIA	0/8	0/8	0/8	0/8
Mouse Adenovirus (1 or 2) <sup>1</sup> (q)	MFIA	0/8	0/8	0/8	0/8
Mouse Cytomegalovirus <sup>1</sup> (q)	MFIA	0/8	0/8	0/8	0/8
Mouse Pneumonitis Virus <sup>1</sup> (q)	MFIA	0/8	0/8	0/8	0/8
Polyoma Virus <sup>1</sup> (q)	MFIA	0/8	0/8	0/8	0/8
Hantaan Virus <sup>1</sup> (q)	MFIA	0/8	0/8	0/8	0/8
Mouse Thymic Virus <sup>1</sup> (q)	MFIA	0/8	0/8	0/8	0/8
<b>BACTERIA</b>					
<i>Bordetella bronchiseptica</i> (m)	Culture	0/8	0/8	0/12	0/8
<i>Citrobacter rodentium</i> (m)	Culture	0/8	0/8	0/8	0/8
<i>Corynebacterium kutscheri</i> (m)	Culture	0/8	0/8	0/12	0/8
<i>Pasteurella pneumotropica</i> (m)	Culture	0/8	0/8	0/12	0/8
<i>Pseudomonas aeruginosa</i> <sup>2</sup> (m)	Culture	0/8	0/8	0/12	0/8
<i>Salmonella</i> spp. (m)	Culture	0/8	0/8	0/12	0/8
<i>Streptococcus pneumoniae</i> (m)	Culture	0/8	0/8	0/12	0/8
<i>Staphylococcus aureus</i> <sup>2</sup> (m)	Culture	-	-	0/12	-
<i>Helicobacter hepaticus</i> (q)	PCR	0/8	0/8	0/12	0/8
<i>Helicobacter bilis</i> (q)	PCR	0/8	0/8	0/12	0/8
<i>Helicobacter</i> spp. (q)	PCR	0/8	0/8	0/12	0/8
<i>Streptobacillus moniliformis</i> (q)	PCR	0/8	0/8	0/12	0/8
<i>Mycoplasma pulmonis</i> <sup>1</sup> (m)	PCR/MFIA	0/8	0/8	0/12	0/8
<i>Clostridium piliforme</i> (Tyzzer's Disease) <sup>1</sup> (m)	Lesions/MFIA	0/12	0/12	0/12	0/12
CAR bacillus <sup>1</sup> (q)	MFIA	0/8	0/8	0/8	0/8
<b>PARASITES AND FUNGI</b>					
Ectoparasites (m)	Direct Examination	0/8	0/8	0/12	0/8
Pinworms (m)	Direct Examination	0/12	0/12	0/12	0/12
Gastrointestinal protozoa (m)	Direct Examination	0/8	0/8	0/8	0/8
<i>Encephalitozoon cuniculi</i> <sup>1</sup> (q)	MFIA	0/8	0/8	0/8	0/8
<i>Pneumocystis</i> spp. <sup>2</sup> (q)	PCR	-	-	0/4	-

Monitoring frequency: (m) monthly, (q) quarterly

Remarks: 1: Serology on immunocompetent animals from each colony

2: Not considered as specific pathogens for immunocompetent strains

3: Not tested strains or stocks; monitoring on parents or other strains in the area

4: Monitoring on both *nu/nu* and *nu/+* mice

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Tested by Charles River Laboratories Japan, Inc.

日本チャールス・リバー株式会社  
品質保証部マネジャー 川西正彦

HEALTH MONITORING REPORT (November 2017)

Species: RATS

Agents	Area	A21	A22
	Strains & Stocks	F344/DuCrI CrIj ZDF- <i>Lepr<sup>fa</sup></i> /CrI CrIj CrIj:ZUC- <i>Lepr<sup>fa</sup></i>	CrI:CD(SD)
	Test period Technique	November 6 - 24	November 6 - 24
<b>VIRUSES</b>			
Sendai Virus <sup>1</sup> (m)	MFIA	0/8	0/8
Pneumonia Virus of Mice <sup>1</sup> (m)	MFIA	0/8	0/8
Sialodacryoadenitis Virus <sup>1</sup> (m)	MFIA	0/8	0/8
Rat Minute Virus <sup>1</sup> (m)	MFIA	0/8	0/8
Rat Parvovirus <sup>1</sup> (m)	MFIA	0/8	0/8
Toolan's H-1 Virus <sup>1</sup> (m)	MFIA	0/8	0/8
Kilham Rat Virus <sup>1</sup> (m)	MFIA	0/8	0/8
Reovirus <sup>1</sup> (m)	MFIA	0/8	0/8
Rat Theilovirus <sup>1</sup> (m)	MFIA	0/8	0/8
Lymphocytic Choriomeningitis Virus <sup>1</sup> (q)	MFIA	0/8	0/8
Mouse Adenovirus (1 or 2) <sup>1</sup> (q)	MFIA	0/8	0/8
Hantaan Virus <sup>1</sup> (q)	MFIA	0/8	0/8
<b>BACTERIA</b>			
<i>Bordetella bronchiseptica</i> (m)	Culture	0/8	0/8
<i>Corynebacterium kutscheri</i> (m)	Culture	0/8	0/8
<i>Pasteurella pneumotropica</i> (m)	Culture	0/8	0/8
<i>Pseudomonas aeruginosa</i> <sup>2</sup> (m)	Culture	0/8	0/8
<i>Salmonella</i> spp. (m)	Culture	0/8	0/8
<i>Streptococcus pneumoniae</i> (m)	Culture	0/8	0/8
<i>Helicobacter hepaticus</i> (q)	PCR	0/8	0/8
<i>Helicobacter bilis</i> (q)	PCR	0/8	0/8
<i>Helicobacter</i> spp. (q)	PCR	0/8	0/8
<i>Streptobacillus moniliformis</i> (q)	PCR	0/8	0/8
<i>Mycoplasma pulmonis</i> <sup>1</sup> (m)	PCR/MFIA	0/8	0/8
<i>Clostridium piliforme</i> (Tyzzer's Disease) <sup>1</sup> (m)	Lesions/MFIA	0/12	0/12
CAR bacillus <sup>1</sup> (q)	MFIA	0/8	0/8
<b>PARASITES AND FUNGI</b>			
Ectoparasites (m)	Direct Examination	0/8	0/8
Pinworms (m)	Direct Examination	0/12	0/12
Gastrointestinal protozoa (m)	Direct Examination	0/8	0/8
<i>Encephalitozoon cuniculi</i> <sup>1</sup> (q)	MFIA	0/8	0/8
<i>Pneumocystis</i> spp. <sup>1,3</sup> (m)	MFIA	0/8	0/8

Tested by Charles River Laboratories Japan, Inc.

Monitoring frequency: (m) monthly, (q) quarterly

Remarks: 1: Serology on immunocompetent animals from each colony  
2: Not considered as specific pathogens for immunocompetent strains  
3: Not included in the Specific Pathogen Free (SPF) lists

日本チャールス・リバー株式会社  
品質保証部マネジャー 川西正彦

Species: MICE

Agents	Area	H12	H22	H23
	Strains & Stocks	JAX® Mice Strain C57BL/6J JAX® Mice Strain B6.Cg-Lep <sup>ob</sup> /J JAX® Mice Strain BKS.Cg-Dock7 <sup>m</sup> +/+ Lep <sup>db</sup> /J	CrI:CD1(ICR) C57BL/6NCrI C3H/HeNCrI DBA/2NCrI B6D2F1/CrI <sup>3</sup> B6C3F1/CrI <sup>3</sup>	BALB/cAnNCrICrIj DBA/1JNCrIj
	Test period Technique	November 8 - 24	November 8 - 24	November 8 - 24
<b>VIRUSES</b>				
Sendai Virus <sup>1</sup> (m)	MFIA	0/8	0/8	0/8
Pneumonia Virus of Mice <sup>1</sup> (m)	MFIA	0/8	0/8	0/8
Mouse Hepatitis Virus <sup>1</sup> (m)	MFIA	0/8	0/8	0/8
Minute Virus of Mice <sup>1</sup> (m)	MFIA	0/8	0/8	0/8
Mouse Parvovirus (1 or 2) <sup>1</sup> (m)	MFIA	0/8	0/8	0/8
Murine Norovirus <sup>1</sup> (m)	MFIA	0/8	0/8	0/8
Theiler's Murine Encephalomyelitis Virus <sup>1</sup> (m)	MFIA	0/8	0/8	0/8
Reovirus <sup>1</sup> (m)	MFIA	0/8	0/8	0/8
Epizootic Diarrhea of Infant Mice Virus <sup>1</sup> (m)	MFIA	0/8	0/8	0/8
Lymphocytic Choriomeningitis Virus <sup>1</sup> (q)	MFIA	0/8	0/8	0/8
Ectromelia Virus <sup>1</sup> (q)	MFIA	0/8	0/8	0/8
Mouse Adenovirus (1 or 2) <sup>1</sup> (q)	MFIA	0/8	0/8	0/8
Mouse Cytomegalovirus <sup>1</sup> (q)	MFIA	0/8	0/8	0/8
Mouse Pneumonitis Virus <sup>1</sup> (q)	MFIA	0/8	0/8	0/8
Polyoma Virus <sup>1</sup> (q)	MFIA	0/8	0/8	0/8
Hantaan Virus <sup>1</sup> (q)	MFIA	0/8	0/8	0/8
Mouse Thymic Virus <sup>1</sup> (q)	MFIA	0/8	0/8	0/8
<b>BACTERIA</b>				
<i>Bordetella bronchiseptica</i> (m)	Culture	0/8	0/8	0/8
<i>Citrobacter rodentium</i> (m)	Culture	0/8	0/8	0/8
<i>Corynebacterium kutscheri</i> (m)	Culture	0/8	0/8	0/8
<i>Pasteurella pneumotropica</i> (m)	Culture	0/8	0/8	0/8
<i>Pseudomonas aeruginosa</i> <sup>2</sup> (m)	Culture	0/8	0/8	0/8
<i>Salmonella</i> spp. (m)	Culture	0/8	0/8	0/8
<i>Streptococcus pneumoniae</i> (m)	Culture	0/8	0/8	0/8
<i>Helicobacter hepaticus</i> (q)	PCR	0/8	0/8	0/8
<i>Helicobacter bilis</i> (q)	PCR	0/8	0/8	0/8
<i>Helicobacter</i> spp. (q)	PCR	0/8	0/8	0/8
<i>Streptobacillus moniliformis</i> (q)	PCR	0/8	0/8	0/8
<i>Mycoplasma pulmonis</i> <sup>1</sup> (m)	PCR/MFIA	0/8	0/8	0/8
<i>Clostridium piliforme</i> (Tyzzer's Disease) <sup>1</sup> (m)	Lesions/MFIA	0/12	0/12	0/12
CAR bacillus <sup>1</sup> (q)	MFIA	0/8	0/8	0/8
<b>PARASITES AND FUNGI</b>				
Ectoparasites (m)	Direct Examination	0/8	0/8	0/8
Pinworms (m)	Direct Examination	0/12	0/12	0/12
Gastrointestinal protozoa (m)	Direct Examination	0/8	0/8	0/8
<i>Encephalitozoon cuniculi</i> <sup>1</sup> (q)	MFIA	0/8	0/8	0/8

Tested by Charles River Laboratories Japan, Inc.

Monitoring frequency: (m) monthly, (q) quarterly

Remarks: 1: Serology on immunocompetent animals from each colony

2: Not considered as specific pathogens for immunocompetent strains

3: Not tested strains or stocks; monitoring on parents or other strains in the area

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品質保証部マネジャー 川西正彦

HEALTH MONITORING REPORT (November 2017)

Species: RATS

Agents	Area	H11	H13	H21
	Strains & Stocks	SHR/NCrCrIj WKY/NCrCrIj CrIj:WI	LEW/CrIjCrIj BN/CrIjCrIj PCK/CrIjCrIj- <i>Pckh1</i> <sup>Pck</sup> /CrIjCrIj CrIj:LE	CrIj:CD(SD)
	Test period Technique	November 8 - 24	November 8 - 24	November 8 - 24
<b>VIRUSES</b>				
Sendai Virus <sup>1</sup> (m)	MFIA	0/8	0/8	0/8
Pneumonia Virus of Mice <sup>1</sup> (m)	MFIA	0/8	0/8	0/8
Sialodacryoadenitis Virus <sup>1</sup> (m)	MFIA	0/8	0/8	0/8
Rat Minute Virus <sup>1</sup> (m)	MFIA	0/8	0/8	0/8
Rat Parvovirus <sup>1</sup> (m)	MFIA	0/8	0/8	0/8
Toolan's H-1 Virus <sup>1</sup> (m)	MFIA	0/8	0/8	0/8
Kilham Rat Virus <sup>1</sup> (m)	MFIA	0/8	0/8	0/8
Reovirus <sup>1</sup> (m)	MFIA	0/8	0/8	0/8
Rat Theilovirus <sup>1</sup> (m)	MFIA	0/8	0/8	0/8
Lymphocytic Choriomeningitis Virus <sup>1</sup> (q)	MFIA	0/8	0/8	0/8
Mouse Adenovirus (1 or 2) <sup>1</sup> (q)	MFIA	0/8	0/8	0/8
Hantaan Virus <sup>1</sup> (q)	MFIA	0/8	0/8	0/8
<b>BACTERIA</b>				
<i>Bordetella bronchiseptica</i> (m)	Culture	0/8	0/8	0/8
<i>Corynebacterium kutscheri</i> (m)	Culture	0/8	0/8	0/8
<i>Pasteurella pneumotropica</i> (m)	Culture	0/8	0/8	0/8
<i>Pseudomonas aeruginosa</i> <sup>2</sup> (m)	Culture	0/8	0/8	0/8
<i>Salmonella</i> spp. (m)	Culture	0/8	0/8	0/8
<i>Streptococcus pneumoniae</i> (m)	Culture	0/8	0/8	0/8
<i>Helicobacter hepaticus</i> (q)	PCR	0/8	0/8	0/8
<i>Helicobacter bilis</i> (q)	PCR	0/8	0/8	0/8
<i>Helicobacter</i> spp. (q)	PCR	0/8	0/8	0/8
<i>Streptobacillus moniliformis</i> (q)	PCR	0/8	0/8	0/8
<i>Mycoplasma pulmonis</i> <sup>1</sup> (m)	PCR/MFIA	0/8	0/8	0/8
<i>Clostridium piliforme</i> (Tyzzer's Disease) <sup>1</sup> (m)	Lesions/MFIA	0/12	0/12	0/12
CAR bacillus <sup>1</sup> (q)	MFIA	0/8	0/8	0/8
<b>PARASITES AND FUNGI</b>				
Ectoparasites (m)	Direct Examination	0/8	0/8	0/8
Pinworms (m)	Direct Examination	0/12	0/12	0/12
Gastrointestinal protozoa (m)	Direct Examination	0/8	0/8	0/8
<i>Encephalitozoon cuniculi</i> <sup>1</sup> (q)	MFIA	0/8	0/8	0/8
<i>Pneumocystis</i> spp. <sup>1,3</sup> (m)	MFIA	0/8	0/8	0/8

Tested by Charles River Laboratories Japan, Inc.

Monitoring frequency: (m) monthly, (q) quarterly

Remarks: 1: Serology on immunocompetent animals from each colony  
2: Not considered as specific pathogens for immunocompetent strains  
3: Not included in the Specific Pathogen Free (SPF) lists

日本チャールス・リバー株式会社  
品質保証部マネジャー 川西正彦

HEALTH MONITORING REPORT (November 2017)

Printed date: November 28, 2017  
Location: Tsukuba Breeding Center

Species: MICE

Agents	Area	T21 Isolator	T21 Isolator	T21 Isolator
	Strains & Stocks	JAX <sup>®</sup> Mice Strain NOD.Cg-Prkdc <sup>scid</sup> Il2rg <sup>tm1Wjl</sup> /SzJ C3H/HeNcrJCrJ (Sentinels)	CrJ:SHO-Prkdc <sup>scid</sup> H <sup>2</sup> Jr C3H/HeNcrJCrJ (Sentinels)	JAX <sup>®</sup> Mice Strain B6.129P2-Apoe <sup>tm1Unc</sup> J
	Test period Technique	November 6 - 24	November 1 - 24	November 1 - 24
<b>VIRUSES</b>				
Sendai Virus <sup>1</sup> (q)	MFIA	0/9	0/2	0/15
Pneumonia Virus of Mice <sup>1</sup> (q)	MFIA	0/9	0/2	0/15
Mouse Hepatitis Virus <sup>1</sup> (q)	MFIA	0/9	0/2	0/15
Minute Virus of Mice <sup>1</sup> (q)	MFIA	0/9	0/2	0/15
Mouse Parvovirus (1 or 2) <sup>1</sup> (q)	MFIA	0/9	0/2	0/15
Murine Norovirus <sup>1</sup> (q)	MFIA	0/9	0/2	0/15
Theiler's Murine Encephalomyelitis Virus <sup>1</sup> (q)	MFIA	0/9	0/2	0/15
Reovirus <sup>1</sup> (q)	MFIA	0/9	0/2	0/15
Epizootic Diarrhea of Infant Mice Virus <sup>1</sup> (q)	MFIA	0/9	0/2	0/15
<b>BACTERIA</b>				
<i>Bordetella bronchiseptica</i> (q)	Culture	0/27	0/6	0/15
<i>Citrobacter rodentium</i> (q)	Culture	0/18	0/4	0/15
<i>Corynebacterium kutscheri</i> (q)	Culture	0/27	0/6	0/15
<i>Pasteurella pneumotropica</i> (q)	Culture	0/27	0/6	0/15
<i>Pseudomonas aeruginosa</i> (q)	Culture	0/27	0/6	0/15
<i>Salmonella</i> spp. (q)	Culture	0/27	0/6	0/15
<i>Staphylococcus aureus</i> (q)	Culture	0/27	0/6	0/15
<i>Streptococcus pneumoniae</i> (q)	Culture	0/27	0/6	0/15
<i>Mycoplasma pulmonis</i> <sup>1</sup> (q)	MFIA	0/9	0/2	0/15
<i>Clostridium piliforme</i> (Tyzzer's Disease) <sup>1</sup> (q)	Lesions/MFIA	0/27	0/6	0/15
<b>PARASITES AND FUNGI</b>				
Ectoparasites (q)	Direct Examination	0/27	0/6	0/15
Pinworms (q)	Direct Examination	0/27	0/6	0/15
Gastrointestinal protozoa (q)	Direct Examination	0/18	0/4	0/15
<i>Pneumocystis</i> spp. (q)	PCR	0/9	0/2	0/5

Tested by Charles River Laboratories Japan, Inc.

Monitoring frequency of animals: (q) quarterly, (a) annually

Remarks: 1: Serology on immunocompetent animals from each colony

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日本チャールス・リバー株式会社  
品質保証部マネジャー 川西正彦

HEALTH MONITORING REPORT (November 2017)

Species: MICE

Agents	Area	T22 Isolator
	Strains & Stocks	CB17/Icr-Prkdc <sup>scid</sup> /CrIcrlj C3H/HeNCrIcrlj (Sentinels)
	Test period Technique	November 7 - 24
<b>VIRUSES</b>		
Sendai Virus <sup>1</sup> (q)	MFIA	0/13
Pneumonia Virus of Mice <sup>1</sup> (q)	MFIA	0/13
Mouse Hepatitis Virus <sup>1</sup> (q)	MFIA	0/13
Minute Virus of Mice <sup>1</sup> (q)	MFIA	0/13
Mouse Parvovirus (1 or 2) <sup>1</sup> (q)	MFIA	0/13
Murine Norovirus <sup>1</sup> (q)	MFIA	0/13
Theiler's Murine Encephalomyelitis Virus <sup>1</sup> (q)	MFIA	0/13
Reovirus <sup>1</sup> (q)	MFIA	0/13
Epizootic Diarrhea of Infant Mice Virus <sup>1</sup> (q)	MFIA	0/13
<b>BACTERIA</b>		
<i>Bordetella bronchiseptica</i> (q)	Culture	0/39
<i>Citrobacter rodentium</i> (q)	Culture	0/26
<i>Corynebacterium kutscheri</i> (q)	Culture	0/39
<i>Pasteurella pneumotropica</i> (q)	Culture	0/39
<i>Pseudomonas aeruginosa</i> (q)	Culture	0/39
<i>Salmonella</i> spp. (q)	Culture	0/39
<i>Staphylococcus aureus</i> (q)	Culture	0/39
<i>Streptococcus pneumoniae</i> (q)	Culture	0/39
<i>Mycoplasma pulmonis</i> <sup>1</sup> (q)	MFIA	0/13
<i>Clostridium piliforme</i> (Tyzzer's Disease) <sup>1</sup> (q)	Lesions/MFIA	0/39
<b>PARASITES AND FUNGI</b>		
Ectoparasites (q)	Direct Examination	0/39
Pinworms (q)	Direct Examination	0/39
Gastrointestinal protozoa (q)	Direct Examination	0/26
<i>Pneumocystis</i> spp. (q)	PCR	0/13

Tested by Charles River Laboratories Japan, Inc.

Monitoring frequency of animals: (q) quarterly, (a) annually

HEALTH MONITORING REPORT (November 2017)

Printed date: November 28, 2017

Location: Tsukuba Breeding Center

Species: MICE

Agents	Area	T23 Isolator	
	Strains & Stocks	JAX <sup>®</sup> Mice Strain NOD.CB17-Prkdc <sup>scid</sup> /J C3H/HeNCrCrIj (Sentinels)	CB17.Cg-Prkdc <sup>scid</sup> Lys <sup>bs-J</sup> /CrIcrlj C3H/HeNCrCrIj (Sentinels)
	Test period Technique	November 8 - 24	
<b>VIRUSES</b>			
Sendai Virus <sup>1</sup> (q)	MFIA	0/10	0/4
Pneumonia Virus of Mice <sup>1</sup> (q)	MFIA	0/10	0/4
Mouse Hepatitis Virus <sup>1</sup> (q)	MFIA	0/10	0/4
Minute Virus of Mice <sup>1</sup> (q)	MFIA	0/10	0/4
Mouse Parvovirus (1 or 2) <sup>1</sup> (q)	MFIA	0/10	0/4
Murine Norovirus <sup>1</sup> (q)	MFIA	0/10	0/4
Theiler's Murine Encephalomyelitis Virus <sup>1</sup> (q)	MFIA	0/10	0/4
Reovirus <sup>1</sup> (q)	MFIA	0/10	0/4
Epizootic Diarrhea of Infant Mice Virus <sup>1</sup> (q)	MFIA	0/10	0/4
<b>BACTERIA</b>			
<i>Bordetella bronchiseptica</i> (q)	Culture	0/30	0/12
<i>Citrobacter rodentium</i> (q)	Culture	0/20	0/8
<i>Corynebacterium kutscheri</i> (q)	Culture	0/30	0/12
<i>Pasteurella pneumotropica</i> (q)	Culture	0/30	0/12
<i>Pseudomonas aeruginosa</i> (q)	Culture	0/30	0/12
<i>Salmonella</i> spp. (q)	Culture	0/30	0/12
<i>Staphylococcus aureus</i> (q)	Culture	0/30	0/12
<i>Streptococcus pneumoniae</i> (q)	Culture	0/30	0/12
<i>Mycoplasma pulmonis</i> <sup>1</sup> (q)	MFIA	0/10	0/4
<i>Clostridium piliforme</i> (Tyzzer's Disease) <sup>1</sup> (q)	Lesions/MFIA	0/30	0/12
<b>PARASITES AND FUNGI</b>			
Ectoparasites (q)	Direct Examination	0/30	0/12
Pinworms (q)	Direct Examination	0/30	0/12
Gastrointestinal protozoa (q)	Direct Examination	0/20	0/8
<i>Pneumocystis</i> spp. (q)	PCR	0/10	0/4

Tested by Charles River Laboratories Japan, Inc.

Monitoring frequency of animals: (q) quarterly, (a) annually

Remarks: 1: Serology on immunocompetent animals from each colony

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HEALTH MONITORING REPORT (November 2017)

Printed date: November 28, 2017  
Location: Tsukuba Breeding Center

Species: MICE (Fecal and Water Samples)

Agents	Area	T21 Isolator	T21 Isolator	T21 Isolator
	Strains & Stocks	JAX <sup>®</sup> Mice Strain NOD.Cg-Prkdc <sup>scid</sup> Il2rg <sup>tm1Wjl</sup> /SzJ C3H/HeNCrCrJ (Sentinels)	CrJ:SHO-Prkdc <sup>scid</sup> Hr <sup>hr</sup> C3H/HeNCrCrJ (Sentinels)	JAX <sup>®</sup> Mice Strain B6.129P2-Apo <sup>e<sup>tm1Unc</sup></sup> /J
	Test period Technique	November 6 - 24	November 6 - 24	November 6 - 24
<b>BACTERIA</b>				
<i>Bordetella bronchiseptica</i>	Culture	0/20	0/6	0/9
<i>Citrobacter rodentium</i>	Culture	0/20	0/6	0/9
<i>Corynebacterium kutscheri</i>	Culture	0/20	0/6	0/9
<i>Pasteurella pneumotropica</i>	Culture	0/20	0/6	0/9
<i>Pseudomonas aeruginosa</i>	Culture	0/20	0/6	0/9
<i>Salmonella</i> spp.	Culture	0/20	0/6	0/9
<i>Staphylococcus aureus</i>	Culture	0/20	0/6	0/9
<i>Streptococcus pneumoniae</i>	Culture	0/20	0/6	0/9

Tested by Charles River Laboratories Japan, Inc.

Monitoring frequency: Fecal and water samples of isolator-maintained animals are tested monthly.

HEALTH MONITORING REPORT (November 2017)

Printed date: November 28, 2017  
Location: Tsukuba Breeding Center

Species: MICE (Fecal and Water Samples)

Agents	Area	T22 Isolator
	Strains & Stocks	CB17/Icr-Prkdc <sup>scid</sup> /CrIcrlj C3H/HeNCrIcrlj (Sentinels)
	Test period Technique	November 6 - 24
<b>BACTERIA</b>		
<i>Bordetella bronchiseptica</i>	Culture	0/27
<i>Citrobacter rodentium</i>	Culture	0/27
<i>Corynebacterium kutscheri</i>	Culture	0/27
<i>Pasteurella pneumotropica</i>	Culture	0/27
<i>Pseudomonas aeruginosa</i>	Culture	0/27
<i>Salmonella</i> spp.	Culture	0/27
<i>Staphylococcus aureus</i>	Culture	0/27
<i>Streptococcus pneumoniae</i>	Culture	0/27

Tested by Charles River Laboratories Japan, Inc.

Monitoring frequency: Fecal and water samples of isolator-maintained animals are tested monthly.

HEALTH MONITORING REPORT (November 2017)

Printed date: November 28, 2017

Location: Tsukuba Breeding Center

Species: MICE (Fecal and Water Samples)

Agents	Area	T23 Isolator	T23 Isolator
	Strains & Stocks	JAX <sup>®</sup> Mice Strain NOD.CB17-Prkdc <sup>scid</sup> /J C3H/HeNCrCrJj (Sentinels)	CB17.Cg-Prkdc <sup>scid</sup> Lyst <sup>bg-J</sup> /CrCrJj C3H/HeNCrCrJj (Sentinels)
	Test period Technique	November 6 - 24	November 6 - 24
<b>BACTERIA</b>			
<i>Bordetella bronchiseptica</i>	Culture	0/25	0/6
<i>Citrobacter rodentium</i>	Culture	0/25	0/6
<i>Corynebacterium kutscheri</i>	Culture	0/25	0/6
<i>Pasteurella pneumotropica</i>	Culture	0/25	0/6
<i>Pseudomonas aeruginosa</i>	Culture	0/25	0/6
<i>Salmonella</i> spp.	Culture	0/25	0/6
<i>Staphylococcus aureus</i>	Culture	0/25	0/6
<i>Streptococcus pneumoniae</i>	Culture	0/25	0/6

Tested by Charles River Laboratories Japan, Inc.

Monitoring frequency: Fecal and water samples of isolator-maintained animals are tested monthly.