

HEALTH MONITORING REPORT (August 2018)

Species: MICE

Agents	Area	A11	A12	A13	A14
	Strains & Stocks	CAnN.Cg-Foxn1 ^{nu} /CrIcrIj ⁴ CrIj:CD1-Foxn1 ^{nu} ⁴	CAnN.Cg-Foxn1 ^{nu} /CrIcrIj ⁴	JAX [®] Mice Strain C57BL/6J C57BL/6NcrI	JAX [®] Mice Strain SJL/J JAX [®] Mice Strain CBA/J NC/NgaTndCrIj ³ , CrI:CD1(ICR) B6N-Tyr ^{c-Brd} /BrdCrCrI
	Test period Technique	August 6 - 24	August 6 - 24	August 6 - 24	August 6 - 24
VIRUSES					
Sendai Virus ¹ (m)	MFIA	0/8	0/8	0/8	0/8
Pneumonia Virus of Mice ¹ (m)	MFIA	0/8	0/8	0/8	0/8
Mouse Hepatitis Virus ¹ (m)	MFIA	0/8	0/8	0/8	0/8
Minute Virus of Mice ¹ (m)	MFIA	0/8	0/8	0/8	0/8
Mouse Parvovirus (1 or 2) ¹ (m)	MFIA	0/8	0/8	0/8	0/8
Murine Norovirus ¹ (m)	MFIA	0/8	0/8	0/8	0/8
Theiler's Murine Encephalomyelitis Virus ¹ (m)	MFIA	0/8	0/8	0/8	0/8
Reovirus ¹ (m)	MFIA	0/8	0/8	0/8	0/8
Epizootic Diarrhea of Infant Mice Virus ¹ (m)	MFIA	0/8	0/8	0/8	0/8
Lymphocytic Choriomeningitis Virus ¹ (q)	MFIA	0/8	0/8	0/8	0/8
Ectromelia Virus ¹ (q)	MFIA	0/8	0/8	0/8	0/8
Mouse Adenovirus (1 or 2) ¹ (q)	MFIA	0/8	0/8	0/8	0/8
Mouse Cytomegalovirus ¹ (q)	MFIA	0/8	0/8	0/8	0/8
Mouse Pneumonitis Virus ¹ (q)	MFIA	0/8	0/8	0/8	0/8
Polyoma Virus ¹ (q)	MFIA	0/8	0/8	0/8	0/8
Hantaan Virus ¹ (q)	MFIA	0/8	0/8	0/8	0/8
Mouse Thymic Virus ¹ (q)	MFIA	0/8	0/8	0/8	0/8
BACTERIA					
<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> ² (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> ² (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> ¹ (m)	PCR/MFIA	0/12	0/12	0/8	0/8
<i>Clostridium piliforme</i> (Tyzzer's Disease) ¹ (m)	Lesions/MFIA	0/12	0/12	0/12	0/12
CAR bacillus ¹ (q)	MFIA	0/8	0/8	0/8	0/8
PARASITES AND FUNGI					
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> ¹ (q)	MFIA	0/8	0/8	0/8	0/8
<i>Pneumocystis</i> spp. ² (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 (August 2018)

Species: MICE

Agents	Area	A15	A23	A24	A25
	Strains & Stocks	JAX [®] Mice Strain C57BL/6J	BALB/cAnNCrIj DBA/2NCrIj CD2F1/CrIj ³	CAnN.Cg- <i>Foxn1^{nu}</i> /CrIj ⁴	JAX [®] Mice Strain C57BL/6J
	Test period Technique	August 6 - 24	August 8 - 24	August 6 - 24	August 8 - 24
VIRUSES					
Sendai Virus ¹ (m)	MFIA	0/8	0/8	0/8	0/8
Pneumonia Virus of Mice ¹ (m)	MFIA	0/8	0/8	0/8	0/8
Mouse Hepatitis Virus ¹ (m)	MFIA	0/8	0/8	0/8	0/8
Minute Virus of Mice ¹ (m)	MFIA	0/8	0/8	0/8	0/8
Mouse Parvovirus (1 or 2) ¹ (m)	MFIA	0/8	0/8	0/8	0/8
Murine Norovirus ¹ (m)	MFIA	0/8	0/8	0/8	0/8
Theiler's Murine Encephalomyelitis Virus ¹ (m)	MFIA	0/8	0/8	0/8	0/8
Reovirus ¹ (m)	MFIA	0/8	0/8	0/8	0/8
Epizootic Diarrhea of Infant Mice Virus ¹ (m)	MFIA	0/8	0/8	0/8	0/8
Lymphocytic Choriomeningitis Virus ¹ (q)	MFIA	0/8	0/8	0/8	0/8
Ectromelia Virus ¹ (q)	MFIA	0/8	0/8	0/8	0/8
Mouse Adenovirus (1 or 2) ¹ (q)	MFIA	0/8	0/8	0/8	0/8
Mouse Cytomegalovirus ¹ (q)	MFIA	0/8	0/8	0/8	0/8
Mouse Pneumonitis Virus ¹ (q)	MFIA	0/8	0/8	0/8	0/8
Polyoma Virus ¹ (q)	MFIA	0/8	0/8	0/8	0/8
Hantaan Virus ¹ (q)	MFIA	0/8	0/8	0/8	0/8
Mouse Thymic Virus ¹ (q)	MFIA	0/8	0/8	0/8	0/8
BACTERIA					
<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> ² (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> ² (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> ¹ (m)	PCR/MFIA	0/8	0/8	0/12	0/8
<i>Clostridium piliforme</i> (Tyzzer's Disease) ¹ (m)	Lesions/MFIA	0/12	0/12	0/12	0/12
CAR bacillus ¹ (q)	MFIA	0/8	0/8	0/8	0/8
PARASITES AND FUNGI					
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> ¹ (q)	MFIA	0/8	0/8	0/8	0/8
<i>Pneumocystis</i> spp. ² (q)	PCR	-	-	0/4	-

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

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

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HEALTH MONITORING REPORT (August 2018)

Species: RATS

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

Species: MICE

Agents	Area	H12	H22	H23
	Strains & Stocks	JAX® Mice Strain C57BL/6J JAX® Mice Strain B6.Cg-Lep ^{ob} /J JAX® Mice Strain BKS.Cg-Dock7 ^m +/+ Lep ^{db} /J	CrI:CD1(ICR) C57BL/6NCrI C3H/HeNCrI DBA/2NCrI B6D2F1/CrI ³ B6C3F1/CrI ³	BALB/cAnNCrICrIj DBA/1JNCrIj
	Test period Technique	August 2 - 24	August 2 - 24	August 2 - 24
VIRUSES				
Sendai Virus ¹ (m)	MFIA	0/8	0/8	0/8
Pneumonia Virus of Mice ¹ (m)	MFIA	0/8	0/8	0/8
Mouse Hepatitis Virus ¹ (m)	MFIA	0/8	0/8	0/8
Minute Virus of Mice ¹ (m)	MFIA	0/8	0/8	0/8
Mouse Parvovirus (1 or 2) ¹ (m)	MFIA	0/8	0/8	0/8
Murine Norovirus ¹ (m)	MFIA	0/8	0/8	0/8
Theiler's Murine Encephalomyelitis Virus ¹ (m)	MFIA	0/8	0/8	0/8
Reovirus ¹ (m)	MFIA	0/8	0/8	0/8
Epizootic Diarrhea of Infant Mice Virus ¹ (m)	MFIA	0/8	0/8	0/8
Lymphocytic Choriomeningitis Virus ¹ (q)	MFIA	0/8	0/8	0/8
Ectromelia Virus ¹ (q)	MFIA	0/8	0/8	0/8
Mouse Adenovirus (1 or 2) ¹ (q)	MFIA	0/8	0/8	0/8
Mouse Cytomegalovirus ¹ (q)	MFIA	0/8	0/8	0/8
Mouse Pneumonitis Virus ¹ (q)	MFIA	0/8	0/8	0/8
Polyoma Virus ¹ (q)	MFIA	0/8	0/8	0/8
Hantaan Virus ¹ (q)	MFIA	0/8	0/8	0/8
Mouse Thymic Virus ¹ (q)	MFIA	0/8	0/8	0/8
BACTERIA				
<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> ² (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> ¹ (m)	PCR/MFIA	0/8	0/8	0/8
<i>Clostridium piliforme</i> (Tyzzer's Disease) ¹ (m)	Lesions/MFIA	0/12	0/12	0/12
CAR bacillus ¹ (q)	MFIA	0/8	0/8	0/8
PARASITES AND FUNGI				
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> ¹ (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 (August 2018)

Species: RATS

Agents	Area	H11	H13	H21
	Strains & Stocks	F344/DuCrIcrIj SHR/NCrIcrIj WKY/NCrIcrIj CrIj:WI	LEW/CrIcrIj BN/CrIcrIj ⁴ ZDF- <i>Lep^{ra}</i> /CrIcrIj PCK/CrIjCrI-Pkhd1 ^{Pck} /CrIcrIj CrIj:LE ⁴ CrIj:ZUC- <i>Lep^{ra}</i>	CrI:CD(SD)
	Test period Technique	August 15 - 24	August 15 - 24	August 15 - 24
VIRUSES				
Sendai Virus ¹ (m)	MFIA	0/8	0/8	0/8
Pneumonia Virus of Mice ¹ (m)	MFIA	0/8	0/8	0/8
Sialodacryoadenitis Virus ¹ (m)	MFIA	0/8	0/8	0/8
Rat Minute Virus ¹ (m)	MFIA	0/8	0/8	0/8
Rat Parvovirus ¹ (m)	MFIA	0/8	0/8	0/8
Toolan's H-1 Virus ¹ (m)	MFIA	0/8	0/8	0/8
Kilham Rat Virus ¹ (m)	MFIA	0/8	0/8	0/8
Reovirus ¹ (m)	MFIA	0/8	0/8	0/8
Rat Theilovirus ¹ (m)	MFIA	0/8	0/8	0/8
Lymphocytic Choriomeningitis Virus ¹ (q)	MFIA	0/8	0/8	0/8
Mouse Adenovirus (1 or 2) ¹ (q)	MFIA	0/8	0/8	0/8
Hantaan Virus ¹ (q)	MFIA	0/8	0/8	0/8
BACTERIA				
<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> ² (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> ¹ (m)	PCR/MFIA	0/8	0/8	0/8
<i>Clostridium piliforme</i> (Tyzzer's Disease) ¹ (m)	Lesions/MFIA	0/12	0/12	0/12
CAR bacillus ¹ (q)	MFIA	0/8	0/8	0/8
PARASITES AND FUNGI				
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> ¹ (q)	MFIA	0/8	0/8	0/8
<i>Pneumocystis</i> spp. ^{1,3} (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
4: Not tested strains or stocks; monitoring on parents or other strains in the area

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 (August 2018)

Printed date: August 29, 2018

Location: Tsukuba Breeding Center

Species: MICE

Agents	Area	T21 Isolator	T21 Isolator	T21 Isolator
	Strains & Stocks	JAX [®] Mice Strain NOD.Cg-Prkdc ^{scid} Il2rg ^{tm1Wjl} /SzJ C3H/HeNcrCrIj (Sentinels)	CrIj:SHO-Prkdc ^{scid} H ^{hr} C3H/HeNcrCrIj (Sentinels)	JAX [®] Mice Strain B6.129P2-Apoe ^{tm1Unc} /J
	Test period Technique	August 6 - 24	August 1 - 24	August 1 - 24
VIRUSES				
Sendai Virus ¹ (q)	MFIA	0/10	0/2	0/9
Pneumonia Virus of Mice ¹ (q)	MFIA	0/10	0/2	0/9
Mouse Hepatitis Virus ¹ (q)	MFIA	0/10	0/2	0/9
Minute Virus of Mice ¹ (q)	MFIA	0/10	0/2	0/9
Mouse Parvovirus (1 or 2) ¹ (q)	MFIA	0/10	0/2	0/9
Murine Norovirus ¹ (q)	MFIA	0/10	0/2	0/9
Theiler's Murine Encephalomyelitis Virus ¹ (q)	MFIA	0/10	0/2	0/9
Reovirus ¹ (q)	MFIA	0/10	0/2	0/9
Epizootic Diarrhea of Infant Mice Virus ¹ (q)	MFIA	0/10	0/2	0/9
BACTERIA				
<i>Bordetella bronchiseptica</i> (q)	Culture	0/30	0/6	0/9
<i>Citrobacter rodentium</i> (q)	Culture	0/20	0/4	0/9
<i>Corynebacterium kutscheri</i> (q)	Culture	0/30	0/6	0/9
<i>Pasteurella pneumotropica</i> (q)	Culture	0/30	0/6	0/9
<i>Pseudomonas aeruginosa</i> (q)	Culture	0/30	0/6	0/9
<i>Salmonella</i> spp. (q)	Culture	0/30	0/6	0/9
<i>Staphylococcus aureus</i> (q)	Culture	0/30	0/6	0/9
<i>Streptococcus pneumonia</i> (q)	Culture	0/30	0/6	0/9
<i>Mycoplasma pulmonis</i> ¹ (q)	MFIA	0/10	0/2	0/9
<i>Clostridium piliforme</i> (Tyzzer's Disease) ¹ (q)	Lesions/MFIA	0/30	0/6	0/9
PARASITES AND FUNGI				
Ectoparasites (q)	Direct Examination	0/30	0/6	0/9
Pinworms (q)	Direct Examination	0/30	0/6	0/9
Gastrointestinal protozoa (q)	Direct Examination	0/20	0/4	0/9
<i>Pneumocystis</i> spp. (q)	PCR	0/10	0/2	0/3

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 (August 2018)

Species: MICE

Agents	Area	T22 Isolator
	Strains & Stocks	CB17/Icr-Prkdc ^{scid} /CrIcrlj C3H/HeNCrIcrlj (Sentinels)
	Test period Technique	August 7 - 24
VIRUSES		
Sendai Virus ¹ (q)	MFIA	0/11
Pneumonia Virus of Mice ¹ (q)	MFIA	0/11
Mouse Hepatitis Virus ¹ (q)	MFIA	0/11
Minute Virus of Mice ¹ (q)	MFIA	0/11
Mouse Parvovirus (1 or 2) ¹ (q)	MFIA	0/11
Murine Norovirus ¹ (q)	MFIA	0/11
Theiler's Murine Encephalomyelitis Virus ¹ (q)	MFIA	0/11
Reovirus ¹ (q)	MFIA	0/11
Epizootic Diarrhea of Infant Mice Virus ¹ (q)	MFIA	0/11
BACTERIA		
<i>Bordetella bronchiseptica</i> (q)	Culture	0/33
<i>Citrobacter rodentium</i> (q)	Culture	0/22
<i>Corynebacterium kutscheri</i> (q)	Culture	0/33
<i>Pasteurella pneumotropica</i> (q)	Culture	0/33
<i>Pseudomonas aeruginosa</i> (q)	Culture	0/33
<i>Salmonella</i> spp. (q)	Culture	0/33
<i>Staphylococcus aureus</i> (q)	Culture	0/33
<i>Streptococcus pneumoniae</i> (q)	Culture	0/33
<i>Mycoplasma pulmonis</i> ¹ (q)	MFIA	0/11
<i>Clostridium piliforme</i> (Tyzzer's Disease) ¹ (q)	Lesions/MFIA	0/33
PARASITES AND FUNGI		
Ectoparasites (q)	Direct Examination	0/33
Pinworms (q)	Direct Examination	0/33
Gastrointestinal protozoa (q)	Direct Examination	0/22
<i>Pneumocystis</i> spp. (q)	PCR	0/11

Tested by Charles River Laboratories Japan, Inc.

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

HEALTH MONITORING REPORT (August 2018)

Printed date: August 29, 2018

Location: Tsukuba Breeding Center

Species: MICE

Agents	Area	T23 Isolator	
	Strains & Stocks	JAX [®] Mice Strain NOD.CB17-Prkdc ^{scid} /J C3H/HeNCrCrIj (Sentinels)	CB17.Cg-Prkdc ^{scid} Lys ^{bs-J} /CrIcrlj C3H/HeNCrCrIj (Sentinels)
	Test period Technique	August 8 - 24	August 8 - 24
VIRUSES			
Sendai Virus ¹ (q)	MFIA	0/10	0/4
Pneumonia Virus of Mice ¹ (q)	MFIA	0/10	0/4
Mouse Hepatitis Virus ¹ (q)	MFIA	0/10	0/4
Minute Virus of Mice ¹ (q)	MFIA	0/10	0/4
Mouse Parvovirus (1 or 2) ¹ (q)	MFIA	0/10	0/4
Murine Norovirus ¹ (q)	MFIA	0/10	0/4
Theiler's Murine Encephalomyelitis Virus ¹ (q)	MFIA	0/10	0/4
Reovirus ¹ (q)	MFIA	0/10	0/4
Epizootic Diarrhea of Infant Mice Virus ¹ (q)	MFIA	0/10	0/4
BACTERIA			
<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> ¹ (q)	MFIA	0/10	0/4
<i>Clostridium piliforme</i> (Tyzzer's Disease) ¹ (q)	Lesions/MFIA	0/30	0/12
PARASITES AND FUNGI			
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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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 (August 2018)

Printed date: August 29, 2018
Location: Tsukuba Breeding Center

Species: MICE (Fecal and Water Samples)

Agents	Area	T21 Isolator	T21 Isolator	T21 Isolator
	Strains & Stocks	JAX [®] Mice Strain NOD.Cg-Prkdc ^{scid} Il2rg ^{tm1Wjl} /SzJ C3H/HeNcr1Cr1j (Sentinels)	Cr1j:SHO-Prkdc ^{scid} Hr ^{hr} C3H/HeNcr1Cr1j (Sentinels)	JAX [®] Mice Strain B6.129P2-Apoe ^{tm1Unc} /J
	Test period Technique	August 14 - 24	August 14 - 24	August 14 - 24
BACTERIA				
<i>Bordetella bronchiseptica</i>	Culture	0/20	0/6	0/1
<i>Citrobacter rodentium</i>	Culture	0/20	0/6	0/1
<i>Corynebacterium kutscheri</i>	Culture	0/20	0/6	0/1
<i>Pasteurella pneumotropica</i>	Culture	0/20	0/6	0/1
<i>Pseudomonas aeruginosa</i>	Culture	0/20	0/6	0/1
<i>Salmonella</i> spp.	Culture	0/20	0/6	0/1
<i>Staphylococcus aureus</i>	Culture	0/20	0/6	0/1
<i>Streptococcus pneumoniae</i>	Culture	0/20	0/6	0/1

Tested by Charles River Laboratories Japan, Inc.

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

HEALTH MONITORING REPORT (August 2018)

Printed date: August 29, 2018
Location: Tsukuba Breeding Center

Species: MICE (Fecal and Water Samples)

Agents	Area	T22 Isolator
	Strains & Stocks	CB17/Icr-Prkdc ^{scid} /CrIcrlj C3H/HeNCrIcrlj (Sentinels)
	Test period Technique	August 14 - 24
BACTERIA		
<i>Bordetella bronchiseptica</i>	Culture	0/26
<i>Citrobacter rodentium</i>	Culture	0/26
<i>Corynebacterium kutscheri</i>	Culture	0/26
<i>Pasteurella pneumotropica</i>	Culture	0/26
<i>Pseudomonas aeruginosa</i>	Culture	0/26
<i>Salmonella</i> spp.	Culture	0/26
<i>Staphylococcus aureus</i>	Culture	0/26
<i>Streptococcus pneumoniae</i>	Culture	0/26

Tested by Charles River Laboratories Japan, Inc.

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

HEALTH MONITORING REPORT (August 2018)

Printed date: August 29, 2018
Location: Tsukuba Breeding Center

Species: MICE (Fecal and Water Samples)

Agents	Area	T23 Isolator	T23 Isolator
	Strains & Stocks	JAX [®] Mice Strain NOD.CB17-Prkdc ^{scid} /J C3H/HeNCrCrIj (Sentinels)	CB17.Cg-Prkdc ^{scid} Lyst ^{bg-J} /CrIcrlj C3H/HeNCrCrIj (Sentinels)
	Test period Technique	August 14 - 24	August 14 - 24
BACTERIA			
<i>Bordetella bronchiseptica</i>	Culture	0/22	0/7
<i>Citrobacter rodentium</i>	Culture	0/22	0/7
<i>Corynebacterium kutscheri</i>	Culture	0/22	0/7
<i>Pasteurella pneumotropica</i>	Culture	0/22	0/7
<i>Pseudomonas aeruginosa</i>	Culture	0/22	0/7
<i>Salmonella</i> spp.	Culture	0/22	0/7
<i>Staphylococcus aureus</i>	Culture	0/22	0/7
<i>Streptococcus pneumoniae</i>	Culture	0/22	0/7

Tested by Charles River Laboratories Japan, Inc.

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