

2021年8月27日

お客様 各位

生産動物 微生物モニタリング結果報告書

(2021年8月度)

試験責任者：品質保証部
マネジャー 佐藤征直





Immunodeficient Mouse SPF/VAF Report (Barrier)

Japan

Charles River Laboratories Yokohama

Location

Atsugi A11 Mice

Health Status

Immunodeficient

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Virology					
SEND ac	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 257
PVM ac	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 257
MHV ace	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 274
MVM ac	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 257
MPV ac	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 257
MNV ace	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 274
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 257
REO ac	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 257
EDIM ac	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 257
LCMV ad	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
ECTRO ad	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
MAV ad	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
MCMV ad	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
K ad	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
POLY ad	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
HANT ad	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
MTLV ad	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
LDV ad	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
MuCPV ad	PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 40
Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 107
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 107
<i>F. rodentium</i> (CAR Bacillus) ad	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 107
<i>H. bilis</i> ade	PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 107
<i>H. hepaticus</i> ade	PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 107
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 107
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 282
<i>R. heylji</i> (<i>P.pneumotropica</i>) ade	Culture/PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 107
<i>R. pneumotropicus</i> (<i>P.pneumotropica</i>) ade	Culture/PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 107
<i>P. aeruginosa</i> ade	Culture/PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 107
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 107
<i>Staph. aureus</i> ade	Culture/PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 107
<i>S. moniliformis</i> ad	PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 90
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 107
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 282
<i>Pneumocystis</i> sp. ad	PCR	RADS JPN	02-Aug-2021	0 / 5	0 / 30
<i>C. bovis</i> ade	PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 107



Immunodeficient Mouse SPF/VAF Report (Barrier)

Japan

Charles River Laboratories Yokohama

Location

Atsugi A11 Mice

Health Status

Immunodeficient

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Pathology					
Gross Exam df	Exam	RADS JPN	02-Aug-2021	0 / 15	0 / 90
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 97
Helminths ade	Exam/PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 107
Enteric Protozoa ade	Exam/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 82
E. cuniculi ad	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65

* dashes indicate not tested during specified period.

HOUSED STRAINS

Outbred	Inbred
NU/NU CD1	NU/NU B/C
NU+ CD1	NU+ B/C

COLONY POLICY FOR POSITIVE RESULT: a = immediate termination; b = no action

TESTING SCHEDULE: c = screened every month; d = screened quarterly; e = additional PCR is done every month by environmental swabs;

Other

f = results do not include incidental or strain related findings



Immunodeficient Mouse SPF/VAF Report (Barrier)

Japan

Charles River Laboratories Yokohama

Location

Atsugi A12 Mice

Health Status

Immunodeficient

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Virology					
SEND ac	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 257
PVM ac	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 257
MHV ace	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 274
MVM ac	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 257
MPV ac	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 257
MNV ace	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 274
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 257
REO ac	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 257
EDIM ac	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 257
LCMV ad	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
ECTRO ad	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
MAV ad	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
MCMV ad	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
K ad	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
POLY ad	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
HANT ad	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
MTLV ad	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
LDV ad	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
MuCPV ad	PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 40
Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 107
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 107
<i>F. rodentium</i> (CAR Bacillus) ad	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 107
<i>H. bilis</i> ade	PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 107
<i>H. hepaticus</i> ade	PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 107
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 107
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 282
<i>R. heylji</i> (<i>P.pneumotropica</i>) ade	Culture/PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 107
<i>R. pneumotropicus</i> (<i>P.pneumotropica</i>) ade	Culture/PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 107
<i>P. aeruginosa</i> ade	Culture/PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 107
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 107
<i>Staph. aureus</i> ade	Culture/PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 107
<i>S. moniliformis</i> ad	PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 90
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 107
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 282
<i>Pneumocystis</i> sp. ad	PCR	RADS JPN	02-Aug-2021	0 / 5	0 / 30
<i>C. bovis</i> ade	PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 107



Immunodeficient Mouse SPF/VAF Report (Barrier)

Japan

Charles River Laboratories Yokohama

Location

Atsugi A12 Mice

Health Status

Immunodeficient

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Pathology					
Gross Exam df	Exam	RADS JPN	02-Aug-2021	0 / 15	0 / 90
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 97
Helminths ade	Exam/PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 107
Enteric Protozoa ade	Exam/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 82
E. cuniculi ad	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65

* dashes indicate not tested during specified period.

HOUSED STRAINS

Inbred
 NU/NU B/C
 NU+ B/C

COLONY POLICY FOR POSITIVE RESULT: a = immediate termination; b = no action

TESTING SCHEDULE: c = screened every month; d = screened quarterly; e = additional PCR is done every month by environmental swabs;

Other

f = results do not include incidental or strain related findings

Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location

Atsugi A13 Mice

Health Status

SPF / VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Virology					
SEND ac	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 257
PVM ac	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 257
MHV ace	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 274
MVM ac	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 257
MPV ac	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 257
MNV ace	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 274
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 257
REO ac	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 257
EDIM ac	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 257
LCMV ad	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
ECTRO ad	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
MAV ad	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
MCMV ad	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
K ad	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
POLY ad	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
HANT ad	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
MTLV ad	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
LDV ad	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
MuCPV bd	PCR	RADS JPN	02-Aug-2021	0 / 5	0 / 20
Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 82
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 107
<i>F. rodentium</i> (CAR Bacillus) ad	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 82
<i>H. bilis</i> ade	PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 82
<i>H. hepaticus</i> ade	PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 82
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 82
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 257
<i>R. heylji</i> (<i>P.pneumotropica</i>) ade	Culture/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 82
<i>R. pneumotropicus</i> (<i>P.pneumotropica</i>) ade	Culture/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 82
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 82
<i>S. moniliformis</i> ad	PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 82
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 282
<i>C. bovis</i> bde	PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 82
Pathology					
Gross Exam df	Exam	RADS JPN	02-Aug-2021	0 / 15	0 / 90

Mouse SPF/VAF Report
Japan

Charles River Laboratories Yokohama

Location

Atsugi A13 Mice

Health Status

SPF / VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Parasitology					
<i>Ectoparasites</i> ade	Exam/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 82
<i>Helminths</i> ade	Exam/PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 107
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 82
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65

* dashes indicate not tested during specified period.

HOUSED STRAINS

Inbred
C57BL/6J
C57BL/6N

COLONY POLICY FOR POSITIVE RESULT: a = immediate termination; b = no action

TESTING SCHEDULE: c = screened every month; d = screened quarterly; e = additional PCR is done every month by environmental swabs;

Other

f = results do not include incidental or strain related findings

Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location

Atsugi A14 Mice

Health Status

SPF / VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Virology					
<i>SEND ac</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 257
<i>PVM ac</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 257
<i>MHV ace</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 274
<i>MVM ac</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 257
<i>MPV ac</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 257
<i>MNV ace</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 274
<i>TMEV (GDVII) ac</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 257
<i>REO ac</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 257
<i>EDIM ac</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 257
<i>LCMV ad</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
<i>ECTRO ad</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
<i>MAV ad</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
<i>MCMV ad</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
<i>K ad</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
<i>POLY ad</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
<i>HANT ad</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
<i>MTLV ad</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
<i>LDV ad</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
<i>MuCPV bd</i>	PCR	RADS JPN	02-Aug-2021	0 / 5	0 / 20
Microbiology					
<i>B. bronchiseptica ade</i>	Culture/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 82
<i>C. rodentium ade</i>	Culture/PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 107
<i>F. rodentium (CAR Bacillus) ad</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
<i>C. kutscheri ade</i>	Culture/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 82
<i>H. bilis ade</i>	PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 82
<i>H. hepaticus ade</i>	PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 82
<i>Helicobacter sp. ade</i>	PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 82
<i>M. pulmonis ac</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 257
<i>R. heylji (P.pneumotropica) ade</i>	Culture/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 82
<i>R. pneumotropicus (P.pneumotropica) ade</i>	Culture/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 82
<i>P. aeruginosa bd</i>	Culture/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
<i>Salmonella sp. ade</i>	Culture/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 82
<i>S. moniliformis ad</i>	PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
<i>Strep. pneumoniae ade</i>	Culture/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 82
<i>CPIL (Tyzzer's Disease) ac</i>	Exam/MFIA/PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 282
<i>C. bovis bde</i>	PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 82
Pathology					
<i>Gross Exam df</i>	Exam	RADS JPN	02-Aug-2021	0 / 15	0 / 90

Mouse SPF/VAF Report
Japan

Charles River Laboratories Yokohama

Location Atsugi A14 Mice *Health Status*
SPF / VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Parasitology					
<i>Ectoparasites ade</i>	Exam/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 82
<i>Helminths ade</i>	Exam/PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 107
<i>Enteric Protozoa ade</i>	Exam/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 82
<i>E. cuniculi ad</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65

* dashes indicate not tested during specified period.

HOUSED STRAINS

Outbred	Inbred
CD-1	B6 ALBINO
	CBA/J
	NC/CRJ
	SJL

COLONY POLICY FOR POSITIVE RESULT: a = immediate termination; b = no action

TESTING SCHEDULE: c = screened every month; d = screened quarterly; e = additional PCR is done every month by environmental swabs;

Other
f = results do not include incidental or strain related findings



Rat SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location

Atsugi A21 Rats

Health Status

SPF / VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Virology					
SEND ac	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 257
PVM ac	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 257
SDAV ace	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 274
KRV ac	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 257
H1 ac	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 257
RPV ac	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 257
RMV ac	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 257
REO ac	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 257
RTV ac	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 257
LCMV ad	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 65
HANT ad	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 65
MAV ad	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 65
Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 82
<i>F. rodentium</i> (CAR Bacillus) ad	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 65
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 82
<i>H. bilis</i> ade	PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 82
<i>H. hepaticus</i> ade	PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 82
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 82
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 257
<i>R. heyltii</i> (<i>P.pneumotropica</i>) ade	Culture/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 82
<i>R. pneumotropicus</i> (<i>P.pneumotropica</i>) ade	Culture/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 82
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 65
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 82
<i>S. moniliformis</i> ad	PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 65
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 82
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	10-Aug-2021	0 / 15	0 / 282
<i>Pneumocystis</i> sp. ac	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 257
<i>C. bovis</i> bde	PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 82
Pathology					
Gross Exam df	Exam	RADS JPN	10-Aug-2021	0 / 15	0 / 90
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 82
Helminths ade	Exam/PCR	RADS JPN	10-Aug-2021	0 / 15	0 / 107
Enteric Protozoa ade	Exam/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 82
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 65

* dashes indicate not tested during specified period.



Rat SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location

Atsugi A21 Rats

Health Status

SPF / VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
HOUSED STRAINS					
	Outbred				
	CD				

COLONY POLICY FOR POSITIVE RESULT: a = immediate termination; b = no action

TESTING SCHEDULE: c = screened every month; d = screened quarterly; e = additional PCR is done every month by environmental swabs;

Other

f = results do not include incidental or strain related findings

Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location

Atsugi A22 Mice

Health Status

SPF / VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Virology					
<i>SEND ac</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 34
<i>PVM ac</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 34
<i>MHV ace</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 38
<i>MVM ac</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 34
<i>MPV ac</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 34
<i>MNV ace</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 38
<i>TMEV (GDVII) ac</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 34
<i>REO ac</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 34
<i>EDIM ac</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 34
<i>LCMV ad</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 18
<i>ECTRO ad</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 18
<i>MAV ad</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 18
<i>MCMV ad</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 18
<i>K ad</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 18
<i>POLY ad</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 18
<i>HANT ad</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 18
<i>MTLV ad</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 18
<i>LDV ad</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 18
<i>MuCPV bd</i>	PCR	RADS JPN	10-Aug-2021	0 / 5	0 / 13
Microbiology					
<i>B. bronchiseptica ade</i>	Culture/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 22
<i>C. rodentium ade</i>	Culture/PCR	RADS JPN	10-Aug-2021	0 / 15	0 / 27
<i>F. rodentium (CAR Bacillus) ad</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 18
<i>C. kutscheri ade</i>	Culture/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 22
<i>H. bilis ade</i>	PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 22
<i>H. hepaticus ade</i>	PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 22
<i>Helicobacter sp. ade</i>	PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 22
<i>M. pulmonis ac</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 34
<i>R. heylji (P.pneumotropica) ade</i>	Culture/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 22
<i>R. pneumotropicus (P.pneumotropica) ade</i>	Culture/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 22
<i>P. aeruginosa bd</i>	Culture/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 18
<i>Salmonella sp. ade</i>	Culture/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 22
<i>S. moniliformis ad</i>	PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 18
<i>Strep. pneumoniae ade</i>	Culture/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 22
<i>CPIL (Tyzzer's Disease) ac</i>	Exam/MFIA/PCR	RADS JPN	10-Aug-2021	0 / 15	0 / 39
<i>C. bovis bde</i>	PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 22
Pathology					
<i>Gross Exam df</i>	Exam	RADS JPN	10-Aug-2021	0 / 15	0 / 23



Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location

Atsugi A22 Mice

Health Status

SPF / VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Parasitology					
<i>Ectoparasites</i> ade	Exam/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 22
<i>Helminths</i> ade	Exam/PCR	RADS JPN	10-Aug-2021	0 / 15	0 / 27
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 22
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 18

* dashes indicate not tested during specified period.

HOUSED STRAINS

Inbred	Hybrid
BALB/C	CDF-1
DBA/1	
DBA/2	

COLONY POLICY FOR POSITIVE RESULT: a = immediate termination; b = no action

TESTING SCHEDULE: c = screened every month; d = screened quarterly; e = additional PCR is done every month by environmental swabs;

Other

f = results do not include incidental or strain related findings

Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location

Atsugi A23 Mice

Health Status

SPF / VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Virology					
<i>SEND ac</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 257
<i>PVM ac</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 257
<i>MHV ace</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 274
<i>MVM ac</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 257
<i>MPV ac</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 257
<i>MNV ace</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 274
<i>TMEV (GDVII) ac</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 257
<i>REO ac</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 257
<i>EDIM ac</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 257
<i>LCMV ad</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 65
<i>ECTRO ad</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 65
<i>MAV ad</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 65
<i>MCMV ad</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 65
<i>K ad</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 65
<i>POLY ad</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 65
<i>HANT ad</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 65
<i>MTLV ad</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 65
<i>LDV ad</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 65
<i>MuCPV bd</i>	PCR	RADS JPN	10-Aug-2021	0 / 5	0 / 20
Microbiology					
<i>B. bronchiseptica ade</i>	Culture/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 82
<i>C. rodentium ade</i>	Culture/PCR	RADS JPN	10-Aug-2021	0 / 15	0 / 107
<i>F. rodentium (CAR Bacillus) ad</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 65
<i>C. kutscheri ade</i>	Culture/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 82
<i>H. bilis ade</i>	PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 82
<i>H. hepaticus ade</i>	PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 82
<i>Helicobacter sp. ade</i>	PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 82
<i>M. pulmonis ac</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 257
<i>R. heylji (P.pneumotropica) ade</i>	Culture/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 82
<i>R. pneumotropicus (P.pneumotropica) ade</i>	Culture/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 82
<i>P. aeruginosa bd</i>	Culture/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 65
<i>Salmonella sp. ade</i>	Culture/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 82
<i>S. moniliformis ad</i>	PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 65
<i>Strep. pneumoniae ade</i>	Culture/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 82
<i>CPIL (Tyzzer's Disease) ac</i>	Exam/MFIA/PCR	RADS JPN	10-Aug-2021	0 / 15	0 / 282
<i>C. bovis bde</i>	PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 82
Pathology					
<i>Gross Exam df</i>	Exam	RADS JPN	10-Aug-2021	0 / 15	0 / 90



Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location

Atsugi A23 Mice

Health Status

SPF / VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Parasitology					
<i>Ectoparasites</i> ade	Exam/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 82
<i>Helminths</i> ade	Exam/PCR	RADS JPN	10-Aug-2021	0 / 15	0 / 107
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 82
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 65

* dashes indicate not tested during specified period.

HOUSED STRAINS

Inbred	Hybrid
BALB/C	CDF-1
DBA/2	

COLONY POLICY FOR POSITIVE RESULT: a = immediate termination; b = no action

TESTING SCHEDULE: c = screened every month; d = screened quarterly; e = additional PCR is done every month by environmental swabs;

Other

f = results do not include incidental or strain related findings

Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location
Atsugi A24 Mice

Health Status
SPF / VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Virology					
<i>SEND ac</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 257
<i>PVM ac</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 257
<i>MHV ace</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 274
<i>MVM ac</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 257
<i>MPV ac</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 257
<i>MNV ace</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 274
<i>TMEV (GDVII) ac</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 257
<i>REO ac</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 257
<i>EDIM ac</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 257
<i>LCMV ad</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
<i>ECTRO ad</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
<i>MAV ad</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
<i>MCMV ad</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
<i>K ad</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
<i>POLY ad</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
<i>HANT ad</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
<i>MTLV ad</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
<i>LDV ad</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
<i>MuCPV bd</i>	PCR	RADS JPN	02-Aug-2021	0 / 5	0 / 20
Microbiology					
<i>B. bronchiseptica ade</i>	Culture/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 82
<i>C. rodentium ade</i>	Culture/PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 107
<i>F. rodentium (CAR Bacillus) ad</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
<i>C. kutscheri ade</i>	Culture/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 82
<i>H. bilis ade</i>	PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 82
<i>H. hepaticus ade</i>	PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 82
<i>Helicobacter sp. ade</i>	PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 82
<i>M. pulmonis ac</i>	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 257
<i>R. heylji (P.pneumotropica) ade</i>	Culture/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 82
<i>R. pneumotropicus (P.pneumotropica) ade</i>	Culture/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 82
<i>P. aeruginosa bd</i>	Culture/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
<i>Salmonella sp. ade</i>	Culture/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 82
<i>S. moniliformis ad</i>	PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65
<i>Strep. pneumoniae ade</i>	Culture/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 82
<i>CPIL (Tyzzer's Disease) ac</i>	Exam/MFIA/PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 282
<i>C. bovis bde</i>	PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 82
Pathology					
<i>Gross Exam df</i>	Exam	RADS JPN	02-Aug-2021	0 / 15	0 / 90

Mouse SPF/VAF Report
Japan

Charles River Laboratories Yokohama

Location

Atsugi A24 Mice

Health Status

SPF / VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Parasitology					
<i>Ectoparasites</i> ade	Exam/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 82
<i>Helminths</i> ade	Exam/PCR	RADS JPN	02-Aug-2021	0 / 15	0 / 107
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 82
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	02-Aug-2021	0 / 10	0 / 65

* dashes indicate not tested during specified period.

HOUSED STRAINS

Inbred
C57BL/6J

COLONY POLICY FOR POSITIVE RESULT: a = immediate termination; b = no action

TESTING SCHEDULE: c = screened every month; d = screened quarterly; e = additional PCR is done every month by environmental swabs;

Other

f = results do not include incidental or strain related findings

Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location

Atsugi A25 Mice

Health Status

SPF / VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Virology					
<i>SEND ac</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 257
<i>PVM ac</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 257
<i>MHV ace</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 274
<i>MVM ac</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 257
<i>MPV ac</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 257
<i>MNV ace</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 274
<i>TMEV (GDVII) ac</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 257
<i>REO ac</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 257
<i>EDIM ac</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 257
<i>LCMV ad</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 65
<i>ECTRO ad</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 65
<i>MAV ad</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 65
<i>MCMV ad</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 65
<i>K ad</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 65
<i>POLY ad</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 65
<i>HANT ad</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 65
<i>MTLV ad</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 65
<i>LDV ad</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 65
<i>MuCPV bd</i>	PCR	RADS JPN	10-Aug-2021	0 / 5	0 / 20
Microbiology					
<i>B. bronchiseptica ade</i>	Culture/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 82
<i>C. rodentium ade</i>	Culture/PCR	RADS JPN	10-Aug-2021	0 / 15	0 / 107
<i>F. rodentium (CAR Bacillus) ad</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 65
<i>C. kutscheri ade</i>	Culture/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 82
<i>H. bilis ade</i>	PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 82
<i>H. hepaticus ade</i>	PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 82
<i>Helicobacter sp. ade</i>	PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 82
<i>M. pulmonis ac</i>	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 257
<i>R. heylji (P.pneumotropica) ade</i>	Culture/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 82
<i>R. pneumotropicus (P.pneumotropica) ade</i>	Culture/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 82
<i>P. aeruginosa bd</i>	Culture/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 65
<i>Salmonella sp. ade</i>	Culture/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 82
<i>S. moniliformis ad</i>	PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 65
<i>Strep. pneumoniae ade</i>	Culture/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 82
<i>CPIL (Tyzzer's Disease) ac</i>	Exam/MFIA/PCR	RADS JPN	10-Aug-2021	0 / 15	0 / 282
<i>C. bovis bde</i>	PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 82
Pathology					
<i>Gross Exam df</i>	Exam	RADS JPN	10-Aug-2021	0 / 15	0 / 90



Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location

Atsugi A25 Mice

Health Status

SPF / VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Parasitology					
<i>Ectoparasites</i> ade	Exam/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 82
<i>Helminths</i> ade	Exam/PCR	RADS JPN	10-Aug-2021	0 / 15	0 / 107
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 82
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 65

* dashes indicate not tested during specified period.

HOUSED STRAINS

Inbred
BALB/C
DBA/1

COLONY POLICY FOR POSITIVE RESULT: a = immediate termination; b = no action

TESTING SCHEDULE: c = screened every month; d = screened quarterly; e = additional PCR is done every month by environmental swabs;

Other

f = results do not include incidental or strain related findings

Rat SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location

Hino H11 Rats

Health Status

SPF / VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Virology					
SEND ac	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
PVM ac	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
SDAV ace	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 274
KRV ac	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
H1 ac	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
RPV ac	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
RMV ac	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
REO ac	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
RTV ac	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
LCMV ad	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
HANT ad	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
MAV ad	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>F. rodentium</i> (CAR Bacillus) ad	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>H. bilis</i> ade	PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>H. hepaticus</i> ade	PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
<i>R. heyltii</i> (<i>P.pneumotropica</i>) ade	Culture/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>R. pneumotropicus</i> (<i>P.pneumotropica</i>) ade	Culture/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>S. moniliformis</i> ad	PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	03-Aug-2021	0 / 15	0 / 282
<i>Pneumocystis sp.</i> ac	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
<i>C. bovis</i> bde	PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
Pathology					
Gross Exam df	Exam	RADS JPN	03-Aug-2021	0 / 15	0 / 90
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
Helminths ade	Exam/PCR	RADS JPN	03-Aug-2021	0 / 15	0 / 107
Enteric Protozoa ade	Exam/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65

* dashes indicate not tested during specified period.



Rat SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location

Hino H11 Rats

Health Status

SPF / VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
HOUSED STRAINS	Outbred WISTAR	Inbred F344 SHR WKY			

COLONY POLICY FOR POSITIVE RESULT: a = immediate termination; b = no action

TESTING SCHEDULE: c = screened every month; d = screened quarterly; e = additional PCR is done every month by environmental swabs;

Other

f = results do not include incidental or strain related findings

Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location
Hino H12 Mice

Health Status
SPF / VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Virology					
<i>SEND ac</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
<i>PVM ac</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
<i>MHV ace</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 274
<i>MVM ac</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
<i>MPV ac</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
<i>MNV ace</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 274
<i>TMEV (GDVII) ac</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
<i>REO ac</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
<i>EDIM ac</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
<i>LCMV ad</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
<i>ECTRO ad</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
<i>MAV ad</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
<i>MCMV ad</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
<i>K ad</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
<i>POLY ad</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
<i>HANT ad</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
<i>MTLV ad</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
<i>LDV ad</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
<i>MuCPV bd</i>	PCR	RADS JPN	03-Aug-2021	0 / 5	0 / 20
Microbiology					
<i>B. bronchiseptica ade</i>	Culture/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>C. rodentium ade</i>	Culture/PCR	RADS JPN	03-Aug-2021	0 / 15	0 / 107
<i>F. rodentium (CAR Bacillus) ad</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
<i>C. kutscheri ade</i>	Culture/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>H. bilis ade</i>	PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>H. hepaticus ade</i>	PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>Helicobacter sp. ade</i>	PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>M. pulmonis ac</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
<i>R. heylji (P.pneumotropica) ade</i>	Culture/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>R. pneumotropicus (P.pneumotropica) ade</i>	Culture/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>P. aeruginosa bd</i>	Culture/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
<i>Salmonella sp. ade</i>	Culture/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>S. moniliformis ad</i>	PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
<i>Strep. pneumoniae ade</i>	Culture/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>CPIL (Tyzzer's Disease) ac</i>	Exam/MFIA/PCR	RADS JPN	03-Aug-2021	0 / 15	0 / 282
<i>C. bovis bde</i>	PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
Pathology					
<i>Gross Exam df</i>	Exam	RADS JPN	03-Aug-2021	0 / 15	0 / 90

Mouse SPF/VAF Report
Japan

Charles River Laboratories Yokohama

Location

Hino H12 Mice

Health Status

SPF / VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Parasitology					
<i>Ectoparasites</i> ade	Exam/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>Helminths</i> ade	Exam/PCR	RADS JPN	03-Aug-2021	0 / 15	0 / 107
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65

* dashes indicate not tested during specified period.

HOUSED STRAINS

Inbred
B6 OB
BKS DB
C57BL/6J

COLONY POLICY FOR POSITIVE RESULT: a = immediate termination; b = no action

TESTING SCHEDULE: c = screened every month; d = screened quarterly; e = additional PCR is done every month by environmental swabs;

Other

f = results do not include incidental or strain related findings



Rat SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location

Hino H13 Rats

Health Status

SPF / VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Virology					
SEND ac	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
PVM ac	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
SDAV ace	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 274
KRV ac	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
H1 ac	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
RPV ac	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
RMV ac	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
REO ac	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
RTV ac	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
LCMV ad	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
HANT ad	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
MAV ad	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>F. rodentium</i> (CAR Bacillus) ad	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>H. bilis</i> ade	PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>H. hepaticus</i> ade	PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
<i>R. heyltii</i> (<i>P.pneumotropica</i>) ade	Culture/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>R. pneumotropicus</i> (<i>P.pneumotropica</i>) ade	Culture/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>S. moniliformis</i> ad	PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	03-Aug-2021	0 / 15	0 / 282
<i>Pneumocystis</i> sp. ac	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
<i>C. bovis</i> bde	PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
Pathology					
Gross Exam df	Exam	RADS JPN	03-Aug-2021	0 / 15	0 / 90
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
Helminths ade	Exam/PCR	RADS JPN	03-Aug-2021	0 / 15	0 / 107
Enteric Protozoa ade	Exam/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65

* dashes indicate not tested during specified period.



Rat SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location

Hino H13 Rats

Health Status

SPF / VAF

<i>Summary Item</i>	<i>Method</i>	<i>Primary Lab</i>	<i>Most Recent</i>		<i>Past 18 Months</i>
			<i>Test Date</i>	<i>Positive / Tested</i>	<i>Positive / Tested</i>
HOUSED STRAINS					
	Outbred L/E	Inbred BN LEWIS PCK ZDF FA/+ ZDF FA/FA			

COLONY POLICY FOR POSITIVE RESULT: a = immediate termination; b = no action

TESTING SCHEDULE: c = screened every month; d = screened quarterly; e = additional PCR is done every month by environmental swabs;

Other

f = results do not include incidental or strain related findings

Rat SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location

Hino H21 Rats

Health Status

SPF / VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Virology					
<i>SEND ac</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
<i>PVM ac</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
<i>SDAV ace</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 274
<i>KRV ac</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
<i>H1 ac</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
<i>RPV ac</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
<i>RMV ac</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
<i>REO ac</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
<i>RTV ac</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
<i>LCMV ad</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
<i>HANT ad</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
<i>MAV ad</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
Microbiology					
<i>B. bronchiseptica ade</i>	Culture/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>F. rodentium (CAR Bacillus) ad</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
<i>C. kutscheri ade</i>	Culture/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>H. bilis ade</i>	PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>H. hepaticus ade</i>	PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>Helicobacter sp. ade</i>	PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>M. pulmonis ac</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
<i>R. heyltii (P.pneumotropica) ade</i>	Culture/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>R. pneumotropicus (P.pneumotropica) ade</i>	Culture/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>P. aeruginosa bd</i>	Culture/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
<i>Salmonella sp. ade</i>	Culture/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>S. moniliformis ad</i>	PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
<i>Strep. pneumoniae ade</i>	Culture/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>CPIL (Tyzzer's Disease) ac</i>	Exam/MFIA/PCR	RADS JPN	03-Aug-2021	0 / 15	0 / 282
<i>Pneumocystis sp. ac</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
<i>C. bovis bde</i>	PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
Pathology					
<i>Gross Exam df</i>	Exam	RADS JPN	03-Aug-2021	0 / 15	0 / 90
Parasitology					
<i>Ectoparasites ade</i>	Exam/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>Helminths ade</i>	Exam/PCR	RADS JPN	03-Aug-2021	0 / 15	0 / 107
<i>Enteric Protozoa ade</i>	Exam/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>E. cuniculi ad</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65

* dashes indicate not tested during specified period.



Rat SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location

Hino H21 Rats

Health Status

SPF / VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
HOUSED STRAINS					
	Outbred				
	CD				

COLONY POLICY FOR POSITIVE RESULT: a = immediate termination; b = no action

TESTING SCHEDULE: c = screened every month; d = screened quarterly; e = additional PCR is done every month by environmental swabs;

Other

f = results do not include incidental or strain related findings

Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location

Hino H22 Mice

Health Status

SPF / VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Virology					
<i>SEND ac</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
<i>PVM ac</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
<i>MHV ace</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 274
<i>MVM ac</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
<i>MPV ac</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
<i>MNV ace</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 274
<i>TMEV (GDVII) ac</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
<i>REO ac</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
<i>EDIM ac</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
<i>LCMV ad</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
<i>ECTRO ad</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
<i>MAV ad</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
<i>MCMV ad</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
<i>K ad</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
<i>POLY ad</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
<i>HANT ad</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
<i>MTLV ad</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
<i>LDV ad</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
<i>MuCPV bd</i>	PCR	RADS JPN	03-Aug-2021	0 / 5	0 / 20
Microbiology					
<i>B. bronchiseptica ade</i>	Culture/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>C. rodentium ade</i>	Culture/PCR	RADS JPN	03-Aug-2021	0 / 15	0 / 107
<i>F. rodentium (CAR Bacillus) ad</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
<i>C. kutscheri ade</i>	Culture/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>H. bilis ade</i>	PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>H. hepaticus ade</i>	PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>Helicobacter sp. ade</i>	PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>M. pulmonis ac</i>	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 257
<i>R. heylji (P.pneumotropica) ade</i>	Culture/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>R. pneumotropicus (P.pneumotropica) ade</i>	Culture/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>P. aeruginosa bd</i>	Culture/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
<i>Salmonella sp. ade</i>	Culture/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>S. moniliformis ad</i>	PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65
<i>Strep. pneumoniae ade</i>	Culture/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>CPIL (Tyzzer's Disease) ac</i>	Exam/MFIA/PCR	RADS JPN	03-Aug-2021	0 / 15	0 / 282
<i>C. bovis bde</i>	PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
Pathology					
<i>Gross Exam df</i>	Exam	RADS JPN	03-Aug-2021	0 / 15	0 / 90



Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location

Hino H22 Mice

Health Status

SPF / VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Parasitology					
<i>Ectoparasites</i> ade	Exam/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>Helminths</i> ade	Exam/PCR	RADS JPN	03-Aug-2021	0 / 15	0 / 107
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 82
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	03-Aug-2021	0 / 10	0 / 65

* dashes indicate not tested during specified period.

HOUSED STRAINS

Outbred
CD-1

Inbred
C3H
C57BL/6N
DBA/2

Hybrid
B6C3F1
BDF-1

COLONY POLICY FOR POSITIVE RESULT: a = immediate termination; b = no action

TESTING SCHEDULE: c = screened every month; d = screened quarterly; e = additional PCR is done every month by environmental swabs;

Other

f = results do not include incidental or strain related findings

Immunodeficient Mouse SPF/NAF Report (Isolator)

Japan

Charles River Laboratories Yokohama

Location

Tsukuba T21 Mice

Health Status

SPF Isolator

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Virology					
<i>SEND ac</i>	PCR	RADS JPN	03-Aug-2021	0 / 13	0 / 461
<i>PVM ac</i>	PCR	RADS JPN	03-Aug-2021	0 / 13	0 / 461
<i>MHV ac</i>	PCR	RADS JPN	03-Aug-2021	0 / 13	0 / 461
<i>MVM ac</i>	PCR	RADS JPN	03-Aug-2021	0 / 13	0 / 461
<i>MPV ac</i>	PCR	RADS JPN	03-Aug-2021	0 / 13	0 / 461
<i>MNV ac</i>	PCR	RADS JPN	03-Aug-2021	0 / 13	0 / 461
<i>TMEV (GDVII) ac</i>	PCR	RADS JPN	03-Aug-2021	0 / 13	0 / 461
<i>REO ac</i>	PCR	RADS JPN	03-Aug-2021	0 / 13	0 / 461
<i>EDIM ac</i>	PCR	RADS JPN	03-Aug-2021	0 / 13	0 / 461
<i>LCMV a</i>	PCR	RADS JPN	02-Aug-2021	0 / 12	0 / 260
<i>ECTRO a</i>	PCR	RADS JPN	02-Aug-2021	0 / 12	0 / 260
<i>MAV a</i>	PCR	RADS JPN	02-Aug-2021	0 / 12	0 / 260
<i>MCMV a</i>	PCR	RADS JPN	02-Aug-2021	0 / 12	0 / 260
<i>K a</i>	PCR	RADS JPN	02-Aug-2021	0 / 12	0 / 260
<i>POLY a</i>	PCR	RADS JPN	02-Aug-2021	0 / 12	0 / 260
<i>HANT a</i>	PCR	RADS JPN	02-Aug-2021	0 / 12	0 / 260
<i>MTLV a</i>	PCR	RADS JPN	02-Aug-2021	0 / 12	0 / 260
<i>LDV a</i>	PCR	RADS JPN	02-Aug-2021	0 / 12	0 / 260
<i>MuCPV a</i>	PCR	RADS JPN	02-Aug-2021	0 / 12	0 / 101
Microbiology					
<i>B. bronchiseptica abc</i>	Culture/PCR	RADS JPN	03-Aug-2021	0 / 54	0 / 1,195
<i>C. rodentium abc</i>	Culture/PCR	RADS JPN	03-Aug-2021	0 / 54	0 / 1,195
<i>F. rodentium (CAR Bacillus) a</i>	PCR	RADS JPN	02-Aug-2021	0 / 12	0 / 260
<i>C. kutscheri abc</i>	Culture/PCR	RADS JPN	03-Aug-2021	0 / 54	0 / 1,195
<i>H. bilis ac</i>	PCR	RADS JPN	03-Aug-2021	0 / 13	0 / 461
<i>H. hepaticus ac</i>	PCR	RADS JPN	03-Aug-2021	0 / 13	0 / 461
<i>Helicobacter sp. ac</i>	PCR	RADS JPN	03-Aug-2021	0 / 13	0 / 461
<i>M. pulmonis ac</i>	PCR	RADS JPN	03-Aug-2021	0 / 13	0 / 461
<i>R. heylji (P.pneumotropica) abc</i>	Culture/PCR	RADS JPN	03-Aug-2021	0 / 54	0 / 1,195
<i>R. pneumotropicus (P.pneumotropica) abc</i>	Culture/PCR	RADS JPN	03-Aug-2021	0 / 54	0 / 1,195
<i>P. aeruginosa abc</i>	Culture/PCR	RADS JPN	03-Aug-2021	0 / 54	0 / 1,195
<i>Salmonella sp. abc</i>	Culture/PCR	RADS JPN	03-Aug-2021	0 / 54	0 / 1,195
<i>Staph. aureus abc</i>	Culture/PCR	RADS JPN	03-Aug-2021	0 / 54	0 / 1,195
<i>S. moniliformis a</i>	PCR	RADS JPN	02-Aug-2021	0 / 12	0 / 260
<i>Strep. pneumoniae abc</i>	Culture/PCR	RADS JPN	03-Aug-2021	0 / 54	0 / 1,195
<i>Beta Strep. sp. a</i>	Culture/PCR	RADS JPN	02-Aug-2021	0 / 12	0 / 260
<i>CPIL (Tyzzer's Disease) ac</i>	Exam/PCR	RADS JPN	03-Aug-2021	0 / 13	0 / 461
<i>Pneumocystis sp. ac</i>	PCR	RADS JPN	03-Aug-2021	0 / 13	0 / 461

Immunodeficient Mouse SPF/NAF Report (Isolator)

Japan

Charles River Laboratories Yokohama

Location

Tsukuba T21 Mice

Health Status

SPF Isolator

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Microbiology					
<i>C. bovis</i> ac	PCR	RADS JPN	03-Aug-2021	0 / 13	0 / 461
Pathology					
<i>Gross Exam</i> ad	Exam	RADS JPN	02-Aug-2021	0 / 12	0 / 260
Parasitology					
<i>Ectoparasites</i> a	Exam/PCR	RADS JPN	02-Aug-2021	0 / 12	0 / 260
<i>Helminths</i> a	Exam/PCR	RADS JPN	02-Aug-2021	0 / 12	0 / 260
<i>Enteric Protozoa</i> a	Exam/PCR	RADS JPN	02-Aug-2021	0 / 12	0 / 260
<i>E. cuniculi</i> a	PCR	RADS JPN	02-Aug-2021	0 / 12	0 / 260

* dashes indicate not tested during specified period.

HOUSED STRAINS

Outbred
SHO

Other Strains
Congenic
NSG

COLONY POLICY FOR POSITIVE RESULT: immediate termination

TESTING SCHEDULE: a = screened annually; b = environmental bacteriology is done 11 times a year; c = environmental PCR is done triannually

Other

d = results do not include incidental or strain related findings



Immunodeficient Mouse SPF/VAF Report (Isolator)

Japan

Charles River Laboratories Yokohama

Location

Tsukuba T22 Mice

Health Status

SPF Isolator

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Virology					
<i>SEND ac</i>	PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 396
<i>PVM ac</i>	PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 396
<i>MHV ac</i>	PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 396
<i>MVM ac</i>	PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 396
<i>MPV ac</i>	PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 396
<i>MNV ac</i>	PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 396
<i>TMEV (GDVII) ac</i>	PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 396
<i>REO ac</i>	PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 396
<i>EDIM ac</i>	PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 396
<i>LCMV a</i>	PCR	RADS JPN	02-Aug-2021	0 / 12	0 / 224
<i>ECTRO a</i>	PCR	RADS JPN	02-Aug-2021	0 / 12	0 / 224
<i>MAV a</i>	PCR	RADS JPN	02-Aug-2021	0 / 12	0 / 224
<i>MCMV a</i>	PCR	RADS JPN	02-Aug-2021	0 / 12	0 / 224
<i>K a</i>	PCR	RADS JPN	02-Aug-2021	0 / 12	0 / 224
<i>POLY a</i>	PCR	RADS JPN	02-Aug-2021	0 / 12	0 / 224
<i>HANT a</i>	PCR	RADS JPN	02-Aug-2021	0 / 12	0 / 224
<i>MTLV a</i>	PCR	RADS JPN	02-Aug-2021	0 / 12	0 / 224
<i>LDV a</i>	PCR	RADS JPN	02-Aug-2021	0 / 12	0 / 224
<i>MuCPV a</i>	PCR	RADS JPN	02-Aug-2021	0 / 12	0 / 89
Microbiology					
<i>B. bronchiseptica abc</i>	Culture/PCR	RADS JPN	10-Aug-2021	0 / 45	0 / 1,024
<i>C. rodentium abc</i>	Culture/PCR	RADS JPN	10-Aug-2021	0 / 45	0 / 1,024
<i>F. rodentium (CAR Bacillus) a</i>	PCR	RADS JPN	02-Aug-2021	0 / 12	0 / 224
<i>C. kutscheri abc</i>	Culture/PCR	RADS JPN	10-Aug-2021	0 / 45	0 / 1,024
<i>H. bilis ac</i>	PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 396
<i>H. hepaticus ac</i>	PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 396
<i>Helicobacter sp. ac</i>	PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 396
<i>M. pulmonis ac</i>	PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 396
<i>R. heylii (P.pneumotropica) abc</i>	Culture/PCR	RADS JPN	10-Aug-2021	0 / 45	0 / 1,024
<i>R. pneumotropicus (P.pneumotropica) abc</i>	Culture/PCR	RADS JPN	10-Aug-2021	0 / 45	0 / 1,024
<i>P. aeruginosa abc</i>	Culture/PCR	RADS JPN	10-Aug-2021	0 / 45	0 / 1,024
<i>Salmonella sp. abc</i>	Culture/PCR	RADS JPN	10-Aug-2021	0 / 45	0 / 1,024
<i>Staph. aureus abc</i>	Culture/PCR	RADS JPN	10-Aug-2021	0 / 45	0 / 1,024
<i>S. moniliformis a</i>	PCR	RADS JPN	02-Aug-2021	0 / 12	0 / 224
<i>Strep. pneumoniae abc</i>	Culture/PCR	RADS JPN	10-Aug-2021	0 / 45	0 / 1,024
<i>Beta Strep. sp. a</i>	Culture/PCR	RADS JPN	02-Aug-2021	0 / 12	0 / 224
<i>CPIL (Tyzzer's Disease) ac</i>	Exam/PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 396
<i>Pneumocystis sp. ac</i>	PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 396



Immunodeficient Mouse SPF/NAF Report (Isolator)

Japan

Charles River Laboratories Yokohama

Location

Tsukuba T22 Mice

Health Status

SPF Isolator

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Microbiology					
<i>C. bovis</i> ac	PCR	RADS JPN	10-Aug-2021	0 / 10	0 / 396
Pathology					
Gross Exam ad	Exam	RADS JPN	02-Aug-2021	0 / 12	0 / 224
Parasitology					
Ectoparasites a	Exam/PCR	RADS JPN	02-Aug-2021	0 / 12	0 / 224
Helminths a	Exam/PCR	RADS JPN	02-Aug-2021	0 / 12	0 / 224
Enteric Protozoa a	Exam/PCR	RADS JPN	02-Aug-2021	0 / 12	0 / 224
<i>E. cuniculi</i> a	PCR	RADS JPN	02-Aug-2021	0 / 12	0 / 224

* dashes indicate not tested during specified period.

HOUSED STRAINS

Other Strains

Congenic

CB17SCID

COLONY POLICY FOR POSITIVE RESULT: immediate termination

TESTING SCHEDULE: a = screened annually; b = environmental bacteriology is done 11 times a year; c = environmental PCR is done triannually

Other

d = results do not include incidental or strain related findings

Immunodeficient Mouse SPF/NAF Report (Isolator)

Japan

Charles River Laboratories Yokohama

Location

Tsukuba T23 Mice

Health Status

SPF Isolator

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Virology					
<i>SEND ac</i>	PCR	RADS JPN	17-Aug-2021	0 / 14	0 / 586
<i>PVM ac</i>	PCR	RADS JPN	17-Aug-2021	0 / 14	0 / 586
<i>MHV ac</i>	PCR	RADS JPN	17-Aug-2021	0 / 14	0 / 586
<i>MVM ac</i>	PCR	RADS JPN	17-Aug-2021	0 / 14	0 / 586
<i>MPV ac</i>	PCR	RADS JPN	17-Aug-2021	0 / 14	0 / 586
<i>MNV ac</i>	PCR	RADS JPN	17-Aug-2021	0 / 14	0 / 586
<i>TMEV (GDVII) ac</i>	PCR	RADS JPN	17-Aug-2021	0 / 14	0 / 586
<i>REO ac</i>	PCR	RADS JPN	17-Aug-2021	0 / 14	0 / 586
<i>EDIM ac</i>	PCR	RADS JPN	17-Aug-2021	0 / 14	0 / 586
<i>LCMV a</i>	PCR	RADS JPN	10-Aug-2021	0 / 16	0 / 344
<i>ECTRO a</i>	PCR	RADS JPN	10-Aug-2021	0 / 16	0 / 344
<i>MAV a</i>	PCR	RADS JPN	10-Aug-2021	0 / 16	0 / 344
<i>MCMV a</i>	PCR	RADS JPN	10-Aug-2021	0 / 16	0 / 344
<i>K a</i>	PCR	RADS JPN	10-Aug-2021	0 / 16	0 / 344
<i>POLY a</i>	PCR	RADS JPN	10-Aug-2021	0 / 16	0 / 344
<i>HANT a</i>	PCR	RADS JPN	10-Aug-2021	0 / 16	0 / 344
<i>MTLV a</i>	PCR	RADS JPN	10-Aug-2021	0 / 16	0 / 344
<i>LDV a</i>	PCR	RADS JPN	10-Aug-2021	0 / 16	0 / 344
<i>MuCPV a</i>	PCR	RADS JPN	10-Aug-2021	0 / 16	0 / 146
Microbiology					
<i>B. bronchiseptica abc</i>	Culture/PCR	RADS JPN	17-Aug-2021	0 / 65	0 / 1,484
<i>C. rodentium abc</i>	Culture/PCR	RADS JPN	17-Aug-2021	0 / 65	0 / 1,484
<i>F. rodentium (CAR Bacillus) a</i>	PCR	RADS JPN	10-Aug-2021	0 / 16	0 / 344
<i>C. kutscheri abc</i>	Culture/PCR	RADS JPN	17-Aug-2021	0 / 65	0 / 1,484
<i>H. bilis ac</i>	PCR	RADS JPN	17-Aug-2021	0 / 14	0 / 586
<i>H. hepaticus ac</i>	PCR	RADS JPN	17-Aug-2021	0 / 14	0 / 586
<i>Helicobacter sp. ac</i>	PCR	RADS JPN	17-Aug-2021	0 / 14	0 / 586
<i>M. pulmonis ac</i>	PCR	RADS JPN	17-Aug-2021	0 / 14	0 / 586
<i>R. heylji (P.pneumotropica) abc</i>	Culture/PCR	RADS JPN	17-Aug-2021	0 / 65	0 / 1,484
<i>R. pneumotropicus (P.pneumotropica) abc</i>	Culture/PCR	RADS JPN	17-Aug-2021	0 / 65	0 / 1,484
<i>P. aeruginosa abc</i>	Culture/PCR	RADS JPN	17-Aug-2021	0 / 65	0 / 1,484
<i>Salmonella sp. abc</i>	Culture/PCR	RADS JPN	17-Aug-2021	0 / 65	0 / 1,484
<i>Staph. aureus abc</i>	Culture/PCR	RADS JPN	17-Aug-2021	0 / 65	0 / 1,484
<i>S. moniliformis a</i>	PCR	RADS JPN	10-Aug-2021	0 / 16	0 / 344
<i>Strep. pneumoniae abc</i>	Culture/PCR	RADS JPN	17-Aug-2021	0 / 65	0 / 1,484
<i>Beta Strep. sp. a</i>	Culture/PCR	RADS JPN	10-Aug-2021	0 / 16	0 / 344
<i>CPIL (Tyzzer's Disease) ac</i>	Exam/PCR	RADS JPN	17-Aug-2021	0 / 14	0 / 586
<i>Pneumocystis sp. ac</i>	PCR	RADS JPN	17-Aug-2021	0 / 14	0 / 586

Immunodeficient Mouse SPF/VAF Report (Isolator)

Japan

Charles River Laboratories Yokohama

Location

Tsukuba T23 Mice

Health Status

SPF Isolator

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Microbiology					
<i>C. bovis</i> ac	PCR	RADS JPN	17-Aug-2021	0 / 14	0 / 586
Pathology					
<i>Gross Exam</i> ad	Exam	RADS JPN	10-Aug-2021	0 / 16	0 / 344
Parasitology					
<i>Ectoparasites</i> a	Exam/PCR	RADS JPN	10-Aug-2021	0 / 16	0 / 344
<i>Helminths</i> a	Exam/PCR	RADS JPN	10-Aug-2021	0 / 16	0 / 344
<i>Enteric Protozoa</i> a	Exam/PCR	RADS JPN	10-Aug-2021	0 / 16	0 / 344
<i>E. cuniculi</i> a	PCR	RADS JPN	10-Aug-2021	0 / 16	0 / 344

* dashes indicate not tested during specified period.

HOUSED STRAINS

Other Strains

Congenic
NOD SCID J
SCIDBEIGE

COLONY POLICY FOR POSITIVE RESULT: immediate termination

TESTING SCHEDULE: a = screened annually; b = environmental bacteriology is done 11 times a year; c = environmental PCR is done triannually

Other

d = results do not include incidental or strain related findings