

2019年11月29日

お客様 各位

生産動物 微生物モニタリング結果報告書

(2019年11月度)

試験責任者：モニタリングセンター
マネジャー 丸山滋



Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location *Health Status*
Atsugi A11 Mice 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	11-Nov-2019	0 / 15	0 / 187
PVM ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
MHV ace	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 194
MVM ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
MPV ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
MNV ace	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 194
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
REO ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
EDIM ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
LCMV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
ECTRO ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
MAV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
MCMV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
K ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
POLY ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
HANT ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
MTLV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
LDV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 35
Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 142
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 160
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 142
<i>H. bilis</i> ade	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 80
<i>H. hepaticus</i> ade	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 80
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 80
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 201
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 142
<i>P. aeruginosa</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 142
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 142
<i>Staph. aureus</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 142
<i>S. moniliformis</i> ad	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 73
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 142
CPIL (<i>Tyzzler's Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 233
<i>Pneumocystis</i> sp. ad	PCR	RADS JPN	11-Nov-2019	0 / 5	0 / 27
<i>C. bovis</i> ade	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 52
Pathology					
Gross Exam df	Exam	RADS JPN	11-Nov-2019	0 / 15	0 / 153



Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

<i>Location</i>	<i>Health Status</i>
Atsugi A11 Mice	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	11-Nov-2019	0 / 15	0 / 149
<i>Helminths</i> ade	Exam/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 160
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 114
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59

* 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 A POSITIVE RESULT: a = immediate termination

TESTING SCHEDULE: c = screened every month; d = screened quarterly; e = additional PCR is done every month by environmental swabs
f = Results do not include incidental or strain related findings

Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location		Health Status			
Atsugi A12 Mice		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	11-Nov-2019	0 / 15	0 / 187
PVM ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
MHV ace	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 194
MVM ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
MPV ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
MNV ace	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 194
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
REO ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
EDIM ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
LCMV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
ECTRO ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
MAV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
MCMV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
K ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
POLY ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
HANT ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
MTLV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
LDV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 35
Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 142
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 160
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 142
<i>H. bilis</i> ade	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 80
<i>H. hepaticus</i> ade	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 80
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 80
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 201
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 142
<i>P. aeruginosa</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 142
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 142
<i>Staph. aureus</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 142
<i>S. moniliformis</i> ad	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 73
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 142
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 233
<i>Pneumocystis</i> sp. ad	PCR	RADS JPN	11-Nov-2019	0 / 5	0 / 27
<i>C. bovis</i> ade	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 52
Pathology					
Gross Exam df	Exam	RADS JPN	11-Nov-2019	0 / 15	0 / 153



Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

<i>Location</i>	<i>Health Status</i>
Atsugi A12 Mice	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	11-Nov-2019	0 / 15	0 / 149
<i>Helminths ade</i>	Exam/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 160
<i>Enteric Protozoa ade</i>	Exam/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 114
<i>E. cuniculi ad</i>	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59

* dashes indicate not tested during specified period

HOUSED STRAINS

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

COLONY POLICY FOR A POSITIVE RESULT: a = immediate termination

TESTING SCHEDULE: c = screened every month; d = screened quarterly; e = additional PCR is done every month by environmental swabs
 f = Results do not include incidental or strain related findings

Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location		Health Status			
Atsugi A13 Mice		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	11-Nov-2019	0 / 15	0 / 187
PVM ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
MHV ace	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 194
MVM ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
MPV ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
MNV ace	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 194
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
REO ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
EDIM ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
LCMV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
ECTRO ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
MAV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
MCMV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
K ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
POLY ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
HANT ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
MTLV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
LDV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 35
Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 114
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 136
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 114
<i>H. bilis</i> ade	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 66
<i>H. hepaticus</i> ade	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 66
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 66
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 114
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 107
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 114
<i>S. moniliformis</i> ad	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 114
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 209
<i>C. bovis</i> bde	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 26
Pathology					
Gross Exam df	Exam	RADS JPN	11-Nov-2019	0 / 15	0 / 129
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 114
Helminths ade	Exam/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 129



charles river
Mouse SPF/VAF Report
Japan

Charles River Laboratories Yokohama

Location *Health Status*
 Atsugi A13 Mice SPF/VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Parasitology					
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 90
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59

* dashes indicate not tested during specified period

HOUSED STRAINS

Inbred
 C57BL/6J
 C57BL/6N

COLONY POLICY FOR A 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
 f = Results do not include incidental or strain related findings

Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location	Health Status
Atsugi A14 Mice	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	11-Nov-2019	0 / 15	0 / 187
PVM ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
MHV ace	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 194
MVM ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
MPV ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
MNV ace	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 194
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
REO ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
EDIM ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
LCMV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
ECTRO ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
MAV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
MCMV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
K ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
POLY ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
HANT ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
MTLV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
LDV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 35
Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 114
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 136
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 114
<i>H. bilis</i> ade	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 66
<i>H. hepaticus</i> ade	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 66
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 66
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 114
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 107
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 114
<i>S. moniliformis</i> ad	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 114
CPIL (<i>Tyzzler's Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 209
<i>C. bovis</i> bde	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 26
Pathology					
Gross Exam df	Exam	RADS JPN	11-Nov-2019	0 / 15	0 / 129
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 114
Helminths ade	Exam/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 129



charles river
Mouse SPF/VAF Report
Japan

Charles River Laboratories Yokohama

Location
 Atsugi A14 Mice

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>
Parasitology					
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 90
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59

* dashes indicate not tested during specified period

HOUSED STRAINS

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

COLONY POLICY FOR A 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
 f = Results do not include incidental or strain related findings

Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location	Health Status
Atsugi A15 Mice	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	11-Nov-2019	0 / 15	0 / 187
PVM ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
MHV ace	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 194
MVM ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
MPV ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
MNV ace	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 194
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
REO ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
EDIM ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
LCMV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
ECTRO ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
MAV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
MCMV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
K ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
POLY ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
HANT ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
MTLV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
LDV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 35
Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 114
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 136
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 114
<i>H. bilis</i> ade	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 66
<i>H. hepaticus</i> ade	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 66
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 66
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 114
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 107
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 114
<i>S. moniliformis</i> ad	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 114
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 209
<i>C. bovis</i> bde	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 26
Pathology					
Gross Exam df	Exam	RADS JPN	11-Nov-2019	0 / 15	0 / 129
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 114
Helminths ade	Exam/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 129



charles river
Mouse SPF/VAF Report
Japan

Charles River Laboratories Yokohama

Location Atsugi A15 Mice *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>
Parasitology					
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 90
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59

* dashes indicate not tested during specified period

HOUSED STRAINS

Inbred
 C57BL/6J

COLONY POLICY FOR A 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
 f = Results do not include incidental or strain related findings

Rat SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location	Health Status		Atsugi A21 Rats		
			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	11-Nov-2019	0 / 15	0 / 123
PVM ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 123
SDAV ace	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 130
KRV ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 123
H-1 ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 123
RPV ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 123
RMV ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 123
REO ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 123
RTV ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 123
LCMV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 35
HANT ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 35
MAV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 35
Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 50
CAR Bacillus ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 35
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 50
<i>H. bilis</i> ade	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 42
<i>H. hepaticus</i> ade	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 42
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 42
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 123
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 50
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 43
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 50
<i>S. moniliformis</i> ad	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 35
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 50
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 133
<i>Pneumocystis sp.</i> ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 123
<i>C. bovis</i> bde	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 42
Pathology					
Gross Exam df	Exam	RADS JPN	11-Nov-2019	0 / 15	0 / 53
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 50
Helminths ade	Exam/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 60
Enteric Protozoa ade	Exam/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 53
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 35

* dashes indicate not tested during specified period



Rat SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location

Atsugi A21 Rats

Health Status

SPF/VAF

HOUSED STRAINS

Outbred

CD

COLONY POLICY FOR A 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
f = Results do not include incidental or strain related findings

Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location	Health Status
Atsugi A23 Mice	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	11-Nov-2019	0 / 15	0 / 187
PVM ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
MHV ace	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 194
MVM ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
MPV ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
MNV ace	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 194
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
REO ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
EDIM ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
LCMV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
ECTRO ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
MAV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
MCMV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
K ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
POLY ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
HANT ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
MTLV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
LDV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 35
Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 114
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 136
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 114
<i>H. bilis</i> ade	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 66
<i>H. hepaticus</i> ade	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 66
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 66
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 187
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 114
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 107
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 114
<i>S. moniliformis</i> ad	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 114
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 209
<i>C. bovis</i> bde	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 26
Pathology					
Gross Exam df	Exam	RADS JPN	11-Nov-2019	0 / 15	0 / 129
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 114
Helminths ade	Exam/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 129



charles river
Mouse SPF/VAF Report
Japan

Charles River Laboratories Yokohama

Location
 Atsugi A23 Mice

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>
Parasitology					
<i>Enteric Protozoa ade</i>	Exam/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 90
<i>E. cuniculi ad</i>	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59

* dashes indicate not tested during specified period

HOUSED STRAINS

Inbred	Hybrid
BALB/C	CDF-1
DBA/2	

COLONY POLICY FOR A 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
 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					
SEND ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 57
PVM ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 57
MHV ace	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 62
MVM ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 57
MPV ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 57
MNV ace	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 62
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 57
REO ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 57
EDIM ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 57
LCMV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 25
ECTRO ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 25
MAV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 25
MCMV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 25
K ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 25
POLY ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 25
HANT ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 25
MTLV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 25
LDV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 25
Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 30
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 35
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 25
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 30
<i>H. bilis</i> ade	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 30
<i>H. hepaticus</i> ade	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 30
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 30
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 57
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 30
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 25
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 30
<i>S. moniliformis</i> ad	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 25
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 30
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 62
<i>C. bovis</i> bde	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 30
Pathology					
Gross Exam df	Exam	RADS JPN	11-Nov-2019	0 / 15	0 / 30
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 30
Helminths ade	Exam/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 30



charles river
Mouse SPF/VAF Report
Japan

Charles River Laboratories Yokohama

Location
 Atsugi A24 Mice

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>
Parasitology					
<i>Enteric Protozoa ade</i>	Exam/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 30
<i>E. cuniculi ad</i>	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 30

* dashes indicate not tested during specified period

Inbred
 C57BL/6J

COLONY POLICY FOR A 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
 f = Results do not include incidental or strain related findings

Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location	Health Status
Atsugi A25 Mice	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	11-Nov-2019	0 / 15	0 / 99
PVM ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 99
MHV ace	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 106
MVM ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 99
MPV ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 99
MNV ace	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 106
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 99
REO ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 99
EDIM ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 99
LCMV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 35
ECTRO ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 35
MAV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 35
MCMV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 35
K ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 35
POLY ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 35
HANT ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 35
MTLV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 35
LDV ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 35
Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 42
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 52
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 35
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 42
<i>H. bilis</i> ade	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 42
<i>H. hepaticus</i> ade	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 42
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 42
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 99
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 42
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 35
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 42
<i>S. moniliformis</i> ad	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 35
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 42
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 109
<i>C. bovis</i> bde	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 32
Pathology					
Gross Exam df	Exam	RADS JPN	11-Nov-2019	0 / 15	0 / 45
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 42
Helminths ade	Exam/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 45



charles river
Mouse SPF/VAF Report
Japan

Charles River Laboratories Yokohama

Location
 Atsugi A25 Mice

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>
Parasitology					
<i>Enteric Protozoa ade</i>	Exam/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 42
<i>E. cuniculi ad</i>	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 35

* dashes indicate not tested during specified period

HOUSED STRAINS

Inbred
 BALB/C
 DBA/1

COLONY POLICY FOR A 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
 f = Results do not include incidental or strain related findings

Rat SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location		Health Status			
Hino H11 Rats		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	13-Nov-2019	0 / 15	0 / 187
PVM ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187
SDAV ace	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 194
KRV ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187
H-1 ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187
RPV ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187
RMV ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187
REO ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187
RTV ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187
LCMV ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59
HANT ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59
MAV ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59
Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 114
CAR Bacillus ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 52
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 114
<i>H. bilis</i> ade	PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 66
<i>H. hepaticus</i> ade	PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 66
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 66
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 114
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 107
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 114
<i>S. moniliformis</i> ad	PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 114
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 209
<i>Pneumocystis sp.</i> ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187
<i>C. bovis</i> bde	PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 42
Pathology					
Gross Exam df	Exam	RADS JPN	13-Nov-2019	0 / 15	0 / 113
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 114
Helminths ade	Exam/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 129
Enteric Protozoa ade	Exam/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 90
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59

* dashes indicate not tested during specified period



Rat SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location

Hino H11 Rats

Health Status

SPF/VAF

HOUSED STRAINS

Outbred

WISTAR

Inbred

F344

SHR

WKY

COLONY POLICY FOR A 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

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					
SEND ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187
PVM ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187
MHV ace	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 194
MVM ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187
MPV ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187
MNV ace	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 194
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187
REO ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187
EDIM ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187
LCMV ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59
ECTRO ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59
MAV ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59
MCMV ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59
K ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59
POLY ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59
HANT ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59
MTLV ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59
LDV ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 35
Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 114
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 136
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 114
<i>H. bilis</i> ade	PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 66
<i>H. hepaticus</i> ade	PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 66
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 66
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 114
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 107
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 114
<i>S. moniliformis</i> ad	PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 114
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 209
<i>C. bovis</i> bde	PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 26
Pathology					
Gross Exam df	Exam	RADS JPN	13-Nov-2019	0 / 15	0 / 129
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 114
Helminths ade	Exam/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 129



charles river
Mouse SPF/VAF Report
Japan

Charles River Laboratories Yokohama

<i>Location</i>	<i>Health Status</i>
Hino H12 Mice	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>
Parasitology					
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 90
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59

* dashes indicate not tested during specified period

HOUSED STRAINS

Inbred
 B6 OB
 BKS DB
 C57BL/6J

COLONY POLICY FOR A 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
 f = Results do not include incidental or strain related findings

Rat SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location	Health Status		Summary Item				
			Method	Primary Lab	Test Date	Most Recent Positive / Tested	Past 18 Months Positive / Tested
Hino H13 Rats	SPF/VAF						
Virology							
	SEND ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187	
	PVM ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187	
	SDAV ace	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 194	
	KRV ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187	
	H-1 ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187	
	RPV ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187	
	RMV ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187	
	REO ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187	
	RTV ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187	
	LCMV ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59	
	HANT ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59	
	MAV ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59	
Microbiology							
	<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 114	
	CAR Bacillus ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 52	
	<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 114	
	<i>H. bilis</i> ade	PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 66	
	<i>H. hepaticus</i> ade	PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 66	
	<i>Helicobacter sp.</i> ade	PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 66	
	<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187	
	<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 114	
	<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 107	
	<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 114	
	<i>S. moniliformis</i> ad	PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59	
	<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 114	
	CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 209	
	<i>Pneumocystis sp.</i> ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187	
	<i>C. bovis</i> bde	PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 42	
Pathology							
	Gross Exam df	Exam	RADS JPN	13-Nov-2019	0 / 15	0 / 113	
Parasitology							
	Ectoparasites ade	Exam/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 114	
	Helminths ade	Exam/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 129	
	Enteric Protozoa ade	Exam/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 90	
	<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59	

* dashes indicate not tested during specified period



Rat SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location

Hino H13 Rats

Health Status

SPF/VAF

HOUSED STRAINS

Outbred

L/E

Inbred

BN

LEWIS

PCK

ZDF FA/+

ZDF FA/FA

COLONY POLICY FOR A 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

f = Results do not include incidental or strain related findings

Rat SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location	Health Status		Summary Item		
			Method	Primary Lab	Test Date
Hino H21 Rats	SPF/VAF				
Virology					
SEND ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187
PVM ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187
SDAV ace	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 194
KRV ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187
H-1 ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187
RPV ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187
RMV ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187
REO ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187
RTV ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187
LCMV ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59
HANT ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59
MAV ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59
Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 114
CAR Bacillus ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 52
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 114
<i>H. bilis</i> ade	PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 66
<i>H. hepaticus</i> ade	PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 66
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 66
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 114
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 107
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 114
<i>S. moniliformis</i> ad	PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 114
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 209
<i>Pneumocystis sp.</i> ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187
<i>C. bovis</i> bde	PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 42
Pathology					
Gross Exam df	Exam	RADS JPN	13-Nov-2019	0 / 15	0 / 113
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 114
Helminths ade	Exam/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 129
Enteric Protozoa ade	Exam/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 90
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59

* dashes indicate not tested during specified period



Rat SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location

Hino H21 Rats

Health Status

SPF/VAF

HOUSED STRAINS

Outbred

CD

COLONY POLICY FOR A 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

f = Results do not include incidental or strain related findings

Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location	Health Status
Hino H22 Mice	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	13-Nov-2019	0 / 15	0 / 187
PVM ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187
MHV ace	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 194
MVM ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187
MPV ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187
MNV ace	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 194
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187
REO ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187
EDIM ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187
LCMV ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59
ECTRO ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59
MAV ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59
MCMV ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59
K ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59
POLY ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59
HANT ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59
MTLV ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59
LDV ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 35
Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 114
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 136
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 114
<i>H. bilis</i> ade	PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 66
<i>H. hepaticus</i> ade	PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 66
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 66
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 187
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 114
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 107
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 114
<i>S. moniliformis</i> ad	PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 114
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 209
<i>C. bovis</i> bde	PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 26
Pathology					
Gross Exam df	Exam	RADS JPN	13-Nov-2019	0 / 15	0 / 129
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 114
Helminths ade	Exam/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 129



charles river
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>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 90
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59

* dashes indicate not tested during specified period

HOUSED STRAINS

Outbred	Inbred	Hybrid
CD-1	C3H	B6C3F1
	C57BL/6N	BDF-1
	DBA/2	

COLONY POLICY FOR A 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
f = Results do not include incidental or strain related findings

Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location	Health Status
Tsukuba T21 Mice	SPF/VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Virology					
SEND ac	PCR	RADS JPN	05-Nov-2019	0 / 25	0 / 409
PVM ac	PCR	RADS JPN	05-Nov-2019	0 / 25	0 / 409
MHV ac	PCR	RADS JPN	05-Nov-2019	0 / 25	0 / 409
MVM ac	PCR	RADS JPN	05-Nov-2019	0 / 25	0 / 409
MPV ac	PCR	RADS JPN	05-Nov-2019	0 / 25	0 / 409
MNV ac	PCR	RADS JPN	05-Nov-2019	0 / 25	0 / 409
TMEV (GDVII) ac	PCR	RADS JPN	05-Nov-2019	0 / 25	0 / 409
REO ac	PCR	RADS JPN	05-Nov-2019	0 / 25	0 / 409
EDIM ac	PCR	RADS JPN	05-Nov-2019	0 / 25	0 / 409
LCMV a	PCR	RADS JPN	05-Nov-2019	0 / 12	0 / 186
ECTRO a	PCR	RADS JPN	05-Nov-2019	0 / 12	0 / 186
MAV a	PCR	RADS JPN	05-Nov-2019	0 / 12	0 / 186
MCMV a	PCR	RADS JPN	05-Nov-2019	0 / 12	0 / 186
K a	PCR	RADS JPN	05-Nov-2019	0 / 12	0 / 186
POLY a	PCR	RADS JPN	05-Nov-2019	0 / 12	0 / 186
HANT a	PCR	RADS JPN	05-Nov-2019	0 / 12	0 / 186
MTLV a	PCR	RADS JPN	05-Nov-2019	0 / 12	0 / 186
LDV ad	PCR	RADS JPN	05-Nov-2019	0 / 12	0 / 116
Microbiology					
<i>B. bronchiseptica</i> abc	Culture/PCR	RADS JPN	05-Nov-2019	0 / 69	0 / 1,004
<i>C. rodentium</i> abc	Culture/PCR	RADS JPN	05-Nov-2019	0 / 69	0 / 1,004
CAR <i>Bacillus</i> a	PCR	RADS JPN	05-Nov-2019	0 / 12	0 / 186
<i>C. kutscheri</i> abc	Culture/PCR	RADS JPN	05-Nov-2019	0 / 69	0 / 1,004
<i>H. bilis</i> a	PCR	RADS JPN	05-Nov-2019	0 / 25	0 / 315
<i>H. hepaticus</i> a	PCR	RADS JPN	05-Nov-2019	0 / 25	0 / 315
<i>Helicobacter</i> sp. a	PCR	RADS JPN	05-Nov-2019	0 / 25	0 / 315
<i>M. pulmonis</i> ac	PCR	RADS JPN	05-Nov-2019	0 / 25	0 / 461
<i>P. pneumotropica</i> abc	Culture/PCR	RADS JPN	05-Nov-2019	0 / 69	0 / 1,004
<i>P. aeruginosa</i> abc	Culture/PCR	RADS JPN	05-Nov-2019	0 / 69	0 / 1,004
<i>Salmonella</i> sp. abc	Culture/PCR	RADS JPN	05-Nov-2019	0 / 69	0 / 1,004
<i>Staph. aureus</i> abc	Culture/PCR	RADS JPN	05-Nov-2019	0 / 69	0 / 1,004
<i>S. moniliformis</i> a	PCR	RADS JPN	05-Nov-2019	0 / 12	0 / 218
<i>Strep. pneumoniae</i> abc	Culture/PCR	RADS JPN	05-Nov-2019	0 / 69	0 / 1,004
Beta <i>Strep.</i> sp. a	Culture/PCR	RADS JPN	05-Nov-2019	0 / 12	0 / 560
CPIL (<i>Tyzzers Disease</i>) ac	Exam/PCR	RADS JPN	05-Nov-2019	0 / 25	0 / 657
<i>Pneumocystis</i> sp. ac	PCR	RADS JPN	05-Nov-2019	0 / 25	0 / 409
<i>C. bovis</i> ac	PCR	RADS JPN	05-Nov-2019	0 / 25	0 / 213
Pathology					
Gross Exam ad	Exam	RADS JPN	05-Nov-2019	0 / 12	0 / 560



Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

<i>Location</i>	<i>Health Status</i>
Tsukuba T21 Mice	SPF/VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Parasitology					
<i>Ectoparasites</i> ade	Exam	RADS JPN	05-Nov-2019	0 / 12	0 / 560
<i>Helminths</i> ade	Exam	RADS JPN	05-Nov-2019	0 / 12	0 / 560
<i>Enteric Protozoa</i> ad	Exam	RADS JPN	05-Nov-2019	0 / 12	0 / 434
<i>E. cuniculi</i> ad	PCR	RADS JPN	05-Nov-2019	0 / 12	0 / 186

* dashes indicate not tested during specified period

HOUSED STRAINS

Outbred

SHO

Other Strains

Congenic

NSG

COLONY POLICY FOR A POSITIVE RESULT: immediate termination

TESTING SCHEDULE: a = screened annually; b = environmental bacteriology is done 11 times a year; c = environmental PCR is done triannually; d = Results do not include incidental or strain related findings

Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location *Health Status*
Tsukuba T22 Mice SPF/VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Virology					
SEND ac	PCR	RADS JPN	12-Nov-2019	0 / 9	0 / 291
PVM ac	PCR	RADS JPN	12-Nov-2019	0 / 9	0 / 291
MHV ac	PCR	RADS JPN	12-Nov-2019	0 / 9	0 / 291
MVM ac	PCR	RADS JPN	12-Nov-2019	0 / 9	0 / 291
MPV ac	PCR	RADS JPN	12-Nov-2019	0 / 9	0 / 291
MNV ac	PCR	RADS JPN	12-Nov-2019	0 / 9	0 / 291
TMEV (GDVII) ac	PCR	RADS JPN	12-Nov-2019	0 / 9	0 / 291
REO ac	PCR	RADS JPN	12-Nov-2019	0 / 9	0 / 291
EDIM ac	PCR	RADS JPN	12-Nov-2019	0 / 9	0 / 291
LCMV a	PCR	RADS JPN	06-Nov-2019	0 / 16	0 / 135
ECTRO a	PCR	RADS JPN	06-Nov-2019	0 / 16	0 / 135
MAV a	PCR	RADS JPN	06-Nov-2019	0 / 16	0 / 135
MCMV a	PCR	RADS JPN	06-Nov-2019	0 / 16	0 / 135
K a	PCR	RADS JPN	06-Nov-2019	0 / 16	0 / 135
POLY a	PCR	RADS JPN	06-Nov-2019	0 / 16	0 / 135
HANT a	PCR	RADS JPN	06-Nov-2019	0 / 16	0 / 135
MTLV a	PCR	RADS JPN	06-Nov-2019	0 / 16	0 / 135
LDV ad	PCR	RADS JPN	06-Nov-2019	0 / 16	0 / 108
Microbiology					
<i>B. bronchiseptica</i> abc	Culture/PCR	RADS JPN	12-Nov-2019	0 / 43	0 / 782
<i>C. rodentium</i> abc	Culture/PCR	RADS JPN	12-Nov-2019	0 / 43	0 / 782
CAR Bacillus a	PCR	RADS JPN	06-Nov-2019	0 / 16	0 / 135
<i>C. kutscheri</i> abc	Culture/PCR	RADS JPN	12-Nov-2019	0 / 43	0 / 782
<i>H. bilis</i> a	PCR	RADS JPN	12-Nov-2019	0 / 9	0 / 259
<i>H. hepaticus</i> a	PCR	RADS JPN	12-Nov-2019	0 / 9	0 / 259
<i>Helicobacter sp.</i> a	PCR	RADS JPN	12-Nov-2019	0 / 9	0 / 259
<i>M. pulmonis</i> ac	PCR	RADS JPN	12-Nov-2019	0 / 9	0 / 345
<i>P. pneumotropica</i> abc	Culture/PCR	RADS JPN	12-Nov-2019	0 / 43	0 / 782
<i>P. aeruginosa</i> abc	Culture/PCR	RADS JPN	12-Nov-2019	0 / 43	0 / 782
<i>Salmonella sp.</i> abc	Culture/PCR	RADS JPN	12-Nov-2019	0 / 43	0 / 782
<i>Staph. aureus</i> abc	Culture/PCR	RADS JPN	12-Nov-2019	0 / 43	0 / 782
<i>S. moniliformis</i> a	PCR	RADS JPN	06-Nov-2019	0 / 16	0 / 189
<i>Strep. pneumoniae</i> abc	Culture/PCR	RADS JPN	12-Nov-2019	0 / 43	0 / 782
Beta Strep. sp. a	Culture/PCR	RADS JPN	06-Nov-2019	0 / 16	0 / 447
CPIL (Tyzzer's Disease) ac	Exam/PCR	RADS JPN	12-Nov-2019	0 / 9	0 / 517
<i>Pneumocystis sp.</i> ac	PCR	RADS JPN	12-Nov-2019	0 / 9	0 / 291
<i>C. bovis</i> ac	PCR	RADS JPN	12-Nov-2019	0 / 9	0 / 178
Pathology					
Gross Exam ad	Exam	RADS JPN	06-Nov-2019	0 / 16	0 / 447



Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

<i>Location</i>	<i>Health Status</i>
Tsukuba T22 Mice	SPF/VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Parasitology					
<i>Ectoparasites ade</i>	Exam	RADS JPN	06-Nov-2019	0 / 16	0 / 447
<i>Helminths ade</i>	Exam	RADS JPN	06-Nov-2019	0 / 16	0 / 447
<i>Enteric Protozoa ad</i>	Exam	RADS JPN	06-Nov-2019	0 / 16	0 / 334
<i>E. cuniculi ad</i>	PCR	RADS JPN	06-Nov-2019	0 / 16	0 / 135

* dashes indicate not tested during specified period

HOUSED STRAINS

Other Strains

Congenetic
CB17SCID

COLONY POLICY FOR A POSITIVE RESULT: immediate termination

TESTING SCHEDULE: a = screened annually; b = environmental bacteriology is done 11 times a year;
c = environmental PCR is done triannually; d = Results do not include incidental or strain related findings

Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location *Health Status*
Tsukuba T23 Mice SPF/VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Virology					
SEND ac	PCR	RADS JPN	19-Nov-2019	0 / 12	0 / 381
PVM ac	PCR	RADS JPN	19-Nov-2019	0 / 12	0 / 381
MHV ac	PCR	RADS JPN	19-Nov-2019	0 / 12	0 / 381
MVM ac	PCR	RADS JPN	19-Nov-2019	0 / 12	0 / 381
MPV ac	PCR	RADS JPN	19-Nov-2019	0 / 12	0 / 381
MNV ac	PCR	RADS JPN	19-Nov-2019	0 / 12	0 / 381
TMEV (GDVII) ac	PCR	RADS JPN	19-Nov-2019	0 / 12	0 / 381
REO ac	PCR	RADS JPN	19-Nov-2019	0 / 12	0 / 381
EDIM ac	PCR	RADS JPN	19-Nov-2019	0 / 12	0 / 381
LCMV a	PCR	RADS JPN	07-Nov-2019	0 / 16	0 / 163
ECTRO a	PCR	RADS JPN	07-Nov-2019	0 / 16	0 / 163
MAV a	PCR	RADS JPN	07-Nov-2019	0 / 16	0 / 163
MCMV a	PCR	RADS JPN	07-Nov-2019	0 / 16	0 / 163
K a	PCR	RADS JPN	07-Nov-2019	0 / 16	0 / 163
POLY a	PCR	RADS JPN	07-Nov-2019	0 / 16	0 / 163
HANT a	PCR	RADS JPN	07-Nov-2019	0 / 16	0 / 163
MTLV a	PCR	RADS JPN	07-Nov-2019	0 / 16	0 / 163
LDV ad	PCR	RADS JPN	07-Nov-2019	0 / 16	0 / 132
Microbiology					
<i>B. bronchiseptica</i> abc	Culture/PCR	RADS JPN	19-Nov-2019	0 / 57	0 / 1,044
<i>C. rodentium</i> abc	Culture/PCR	RADS JPN	19-Nov-2019	0 / 57	0 / 1,044
CAR Bacillus a	PCR	RADS JPN	07-Nov-2019	0 / 16	0 / 163
<i>C. kutscheri</i> abc	Culture/PCR	RADS JPN	19-Nov-2019	0 / 57	0 / 1,044
<i>H. bilis</i> a	PCR	RADS JPN	19-Nov-2019	0 / 12	0 / 321
<i>H. hepaticus</i> a	PCR	RADS JPN	19-Nov-2019	0 / 12	0 / 321
<i>Helicobacter sp.</i> a	PCR	RADS JPN	19-Nov-2019	0 / 12	0 / 321
<i>M. pulmonis</i> ac	PCR	RADS JPN	19-Nov-2019	0 / 12	0 / 443
<i>P. pneumotropica</i> abc	Culture/PCR	RADS JPN	19-Nov-2019	0 / 57	0 / 1,044
<i>P. aeruginosa</i> abc	Culture/PCR	RADS JPN	19-Nov-2019	0 / 57	0 / 1,044
<i>Salmonella sp.</i> abc	Culture/PCR	RADS JPN	19-Nov-2019	0 / 57	0 / 1,044
<i>Staph. aureus</i> abc	Culture/PCR	RADS JPN	19-Nov-2019	0 / 57	0 / 1,044
<i>S. moniliformis</i> a	PCR	RADS JPN	07-Nov-2019	0 / 16	0 / 225
<i>Strep. pneumoniae</i> abc	Culture/PCR	RADS JPN	19-Nov-2019	0 / 57	0 / 1,044
Beta Strep. sp. a	Culture/PCR	RADS JPN	07-Nov-2019	0 / 16	0 / 591
CPIL (Tyzzer's Disease) ac	Exam/PCR	RADS JPN	19-Nov-2019	0 / 12	0 / 687
<i>Pneumocystis sp.</i> ac	PCR	RADS JPN	19-Nov-2019	0 / 12	0 / 381
<i>C. bovis</i> ac	PCR	RADS JPN	19-Nov-2019	0 / 12	0 / 228
Pathology					
Gross Exam ad	Exam	RADS JPN	07-Nov-2019	0 / 16	0 / 591



Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

<i>Location</i>	<i>Health Status</i>
Tsukuba T23 Mice	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>
Parasitology					
<i>Ectoparasites ade</i>	Exam	RADS JPN	07-Nov-2019	0 / 16	0 / 591
<i>Helminths ade</i>	Exam	RADS JPN	07-Nov-2019	0 / 16	0 / 591
<i>Enteric Protozoa ad</i>	Exam	RADS JPN	07-Nov-2019	0 / 16	0 / 439
<i>E. cuniculi ad</i>	PCR	RADS JPN	07-Nov-2019	0 / 16	0 / 163

* dashes indicate not tested during specified period

HOUSED STRAINS

Other Strains

- Congenetic
- NOD SCID
- SCID BEIGE

COLONY POLICY FOR A POSITIVE RESULT: immediate termination

TESTING SCHEDULE: a = screened annually; b = environmental bacteriology is done 11 times a year; c = environmental PCR is done triannually; d = Results do not include incidental or strain related findings