

2019年12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

(2019年12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	02-Dec-2019	0 / 16	0 / 203
PVM ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 203
MHV ace	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 211
MVM ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 203
MPV ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 203
MNV ace	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 211
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 203
REO ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 203
EDIM ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 203
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	28-Nov-2019	0 / 1	0 / 143
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 161
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	28-Nov-2019	0 / 1	0 / 143
<i>H. bilis</i> ade	PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 81
<i>H. hepaticus</i> ade	PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 81
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 81
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 217
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 143
<i>P. aeruginosa</i> ade	Culture/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 143
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 143
<i>Staph. aureus</i> ade	Culture/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 143
<i>S. moniliformis</i> ad	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 73
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 143
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 249
<i>Pneumocystis</i> sp. ad	PCR	RADS JPN	11-Nov-2019	0 / 5	0 / 27
<i>C. bovis</i> ade	PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 53
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	28-Nov-2019	0 / 1	0 / 151
<i>Helminths</i> ade	Exam/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 161
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 115
<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		Summary Item			
			Method	Primary Lab	Test Date	Most Recent Positive / Tested
Atsugi A12 Mice	SPF/VAF					
Virology						
SEND ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 203	
PVM ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 203	
MHV ace	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 211	
MVM ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 203	
MPV ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 203	
MNV ace	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 211	
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 203	
REO ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 203	
EDIM ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 203	
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	28-Nov-2019	0 / 1	0 / 143	
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 161	
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	28-Nov-2019	0 / 1	0 / 143	
<i>H. bilis</i> ade	PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 81	
<i>H. hepaticus</i> ade	PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 81	
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 81	
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 217	
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 143	
<i>P. aeruginosa</i> ade	Culture/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 143	
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 143	
<i>Staph. aureus</i> ade	Culture/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 143	
<i>S. moniliformis</i> ad	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 73	
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 143	
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 249	
<i>Pneumocystis</i> sp. ad	PCR	RADS JPN	11-Nov-2019	0 / 5	0 / 27	
<i>C. bovis</i> ade	PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 53	
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</i> ade	Exam/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 151
<i>Helminths</i> ade	Exam/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 161
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 115
<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
 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	02-Dec-2019	0 / 16	0 / 203
PVM ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 203
MHV ace	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 211
MVM ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 203
MPV ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 203
MNV ace	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 211
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 203
REO ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 203
EDIM ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 203
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	28-Nov-2019	0 / 1	0 / 115
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 137
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	28-Nov-2019	0 / 1	0 / 115
<i>H. bilis</i> ade	PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 67
<i>H. hepaticus</i> ade	PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 67
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 67
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 203
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 115
<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	28-Nov-2019	0 / 1	0 / 115
<i>S. moniliformis</i> ad	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 115
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 225
<i>C. bovis</i> bde	PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 43
Pathology					
Gross Exam df	Exam	RADS JPN	11-Nov-2019	0 / 15	0 / 129
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 115
Helminths ade	Exam/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 137



charles river
Mouse SPF/VAF Report
Japan

Charles River Laboratories Yokohama

Location
 Atsugi A13 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	28-Nov-2019	0 / 1	0 / 91
<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	02-Dec-2019	0 / 16	0 / 203
PVM ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 203
MHV ace	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 211
MVM ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 203
MPV ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 203
MNV ace	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 211
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 203
REO ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 203
EDIM ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 203
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	28-Nov-2019	0 / 1	0 / 115
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 137
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	28-Nov-2019	0 / 1	0 / 115
<i>H. bilis</i> ade	PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 67
<i>H. hepaticus</i> ade	PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 67
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 67
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 203
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 115
<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	28-Nov-2019	0 / 1	0 / 115
<i>S. moniliformis</i> ad	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 115
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 225
<i>C. bovis</i> bde	PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 43
Pathology					
Gross Exam df	Exam	RADS JPN	11-Nov-2019	0 / 15	0 / 129
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 115
Helminths ade	Exam/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 137



charles river
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
Parasitology					
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 91
<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	02-Dec-2019	0 / 16	0 / 203
PVM ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 203
MHV ace	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 211
MVM ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 203
MPV ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 203
MNV ace	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 211
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 203
REO ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 203
EDIM ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 203
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	28-Nov-2019	0 / 1	0 / 115
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 137
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	28-Nov-2019	0 / 1	0 / 115
<i>H. bilis</i> ade	PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 67
<i>H. hepaticus</i> ade	PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 67
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 67
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 203
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 115
<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	28-Nov-2019	0 / 1	0 / 115
<i>S. moniliformis</i> ad	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 115
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 225
<i>C. bovis</i> bde	PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 43
Pathology					
Gross Exam df	Exam	RADS JPN	11-Nov-2019	0 / 15	0 / 129
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 115
Helminths ade	Exam/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 137



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	28-Nov-2019	0 / 1	0 / 91
<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	09-Dec-2019	0 / 16	0 / 139
PVM ac	MFIA/PCR	RADS JPN	09-Dec-2019	0 / 16	0 / 139
SDAV ace	MFIA/PCR	RADS JPN	09-Dec-2019	0 / 16	0 / 147
KRV ac	MFIA/PCR	RADS JPN	09-Dec-2019	0 / 16	0 / 139
H-1 ac	MFIA/PCR	RADS JPN	09-Dec-2019	0 / 16	0 / 139
RPV ac	MFIA/PCR	RADS JPN	09-Dec-2019	0 / 16	0 / 139
RMV ac	MFIA/PCR	RADS JPN	09-Dec-2019	0 / 16	0 / 139
REO ac	MFIA/PCR	RADS JPN	09-Dec-2019	0 / 16	0 / 139
RTV ac	MFIA/PCR	RADS JPN	09-Dec-2019	0 / 16	0 / 139
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	28-Nov-2019	0 / 1	0 / 51
CAR Bacillus ad	MFIA/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 35
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 51
<i>H. bilis</i> ade	PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 43
<i>H. hepaticus</i> ade	PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 43
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 43
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	09-Dec-2019	0 / 16	0 / 139
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 51
<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	28-Nov-2019	0 / 1	0 / 51
<i>S. moniliformis</i> ad	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 35
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 51
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	09-Dec-2019	0 / 16	0 / 149
<i>Pneumocystis sp.</i> ac	MFIA/PCR	RADS JPN	09-Dec-2019	0 / 16	0 / 139
<i>C. bovis</i> bde	PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 43
Pathology					
Gross Exam df	Exam	RADS JPN	11-Nov-2019	0 / 15	0 / 53
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 51
Helminths ade	Exam/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 61
Enteric Protozoa ade	Exam/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 47
<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	09-Dec-2019	0 / 16	0 / 203
PVM ac	MFIA/PCR	RADS JPN	09-Dec-2019	0 / 16	0 / 203
MHV ace	MFIA/PCR	RADS JPN	09-Dec-2019	0 / 16	0 / 211
MVM ac	MFIA/PCR	RADS JPN	09-Dec-2019	0 / 16	0 / 203
MPV ac	MFIA/PCR	RADS JPN	09-Dec-2019	0 / 16	0 / 203
MNV ace	MFIA/PCR	RADS JPN	09-Dec-2019	0 / 16	0 / 211
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	09-Dec-2019	0 / 16	0 / 203
REO ac	MFIA/PCR	RADS JPN	09-Dec-2019	0 / 16	0 / 203
EDIM ac	MFIA/PCR	RADS JPN	09-Dec-2019	0 / 16	0 / 203
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	28-Nov-2019	0 / 1	0 / 115
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 137
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	28-Nov-2019	0 / 1	0 / 115
<i>H. bilis</i> ade	PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 67
<i>H. hepaticus</i> ade	PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 67
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 67
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	09-Dec-2019	0 / 16	0 / 203
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 115
<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	28-Nov-2019	0 / 1	0 / 115
<i>S. moniliformis</i> ad	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 115
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	09-Dec-2019	0 / 16	0 / 225
<i>C. bovis</i> bde	PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 43
Pathology					
Gross Exam df	Exam	RADS JPN	11-Nov-2019	0 / 15	0 / 129
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 115
Helminths ade	Exam/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 137



charles river
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>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 91
<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	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 *Health Status*
Atsugi A24 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	02-Dec-2019	0 / 16	0 / 73
PVM ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 73
MHV ace	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 79
MVM ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 73
MPV ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 73
MNV ace	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 79
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 73
REO ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 73
EDIM ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 73
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	28-Nov-2019	0 / 1	0 / 31
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 36
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	28-Nov-2019	0 / 1	0 / 31
<i>H. bilis</i> ade	PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 31
<i>H. hepaticus</i> ade	PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 31
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 31
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 73
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 31
<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	28-Nov-2019	0 / 1	0 / 31
<i>S. moniliformis</i> ad	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 25
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 31
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	02-Dec-2019	0 / 16	0 / 78
<i>C. bovis</i> bde	PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 31
Pathology					
Gross Exam df	Exam	RADS JPN	11-Nov-2019	0 / 15	0 / 30
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 31
Helminths ade	Exam/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 36



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</i> ade	Exam/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 31
<i>E. cuniculi</i> ad	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		Summary Item				
			Method	Primary Lab	Test Date	Most Recent Positive / Tested	Past 18 Months Positive / Tested
Atsugi A25 Mice	SPF/VAF						
Virology							
	SEND ac	MFIA/PCR	RADS JPN	09-Dec-2019	0 / 16	0 / 115	
	PVM ac	MFIA/PCR	RADS JPN	09-Dec-2019	0 / 16	0 / 115	
	MHV ace	MFIA/PCR	RADS JPN	09-Dec-2019	0 / 16	0 / 123	
	MVM ac	MFIA/PCR	RADS JPN	09-Dec-2019	0 / 16	0 / 115	
	MPV ac	MFIA/PCR	RADS JPN	09-Dec-2019	0 / 16	0 / 115	
	MNV ace	MFIA/PCR	RADS JPN	09-Dec-2019	0 / 16	0 / 123	
	TMEV (GDVII) ac	MFIA/PCR	RADS JPN	09-Dec-2019	0 / 16	0 / 115	
	REO ac	MFIA/PCR	RADS JPN	09-Dec-2019	0 / 16	0 / 115	
	EDIM ac	MFIA/PCR	RADS JPN	09-Dec-2019	0 / 16	0 / 115	
	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	28-Nov-2019	0 / 1	0 / 43	
	<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 53	
	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	28-Nov-2019	0 / 1	0 / 43	
	<i>H. bilis</i> ade	PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 43	
	<i>H. hepaticus</i> ade	PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 43	
	<i>Helicobacter</i> sp. ade	PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 43	
	<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	09-Dec-2019	0 / 16	0 / 115	
	<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 43	
	<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 35	
	<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 43	
	<i>S. moniliformis</i> ad	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 35	
	<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 43	
	CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	09-Dec-2019	0 / 16	0 / 125	
	<i>C. bovis</i> bde	PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 33	
Pathology							
	Gross Exam df	Exam	RADS JPN	11-Nov-2019	0 / 15	0 / 45	
Parasitology							
	Ectoparasites ade	Exam/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 42	
	Helminths ade	Exam/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 46	



charles river
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
Parasitology					
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	28-Nov-2019	0 / 1	0 / 43
<i>E. cuniculi</i> ad	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	11-Dec-2019	0 / 16	0 / 203
PVM ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203
SDAV ace	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 211
KRV ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203
H-1 ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203
RPV ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203
RMV ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203
REO ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203
RTV ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203
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	29-Nov-2019	0 / 1	0 / 115
CAR Bacillus ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 115
<i>H. bilis</i> ade	PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 67
<i>H. hepaticus</i> ade	PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 67
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 67
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 115
<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	29-Nov-2019	0 / 1	0 / 115
<i>S. moniliformis</i> ad	PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 115
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 225
<i>Pneumocystis sp.</i> ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203
<i>C. bovis</i> bde	PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 43
Pathology					
Gross Exam df	Exam	RADS JPN	13-Nov-2019	0 / 15	0 / 113
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 115
Helminths ade	Exam/PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 137
Enteric Protozoa ade	Exam/PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 91
<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	Health Status		Summary Item		
			Method	Primary Lab	Test Date
Hino H12 Mice	SPF/VAF				
Virology					
SEND ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203
PVM ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203
MHV ace	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 211
MVM ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203
MPV ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203
MNV ace	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 211
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203
REO ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203
EDIM ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203
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					
B. bronchiseptica ade	Culture/PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 115
C. rodentium ade	Culture/PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 137
CAR Bacillus ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59
C. kutscheri ade	Culture/PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 115
H. bilis ade	PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 67
H. hepaticus ade	PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 67
Helicobacter sp. ade	PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 67
M. pulmonis ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203
P. pneumotropica ade	Culture/PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 115
P. aeruginosa bd	Culture/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 107
Salmonella sp. ade	Culture/PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 115
S. moniliformis ad	PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59
Strep. pneumoniae ade	Culture/PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 115
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 225
C. bovis bde	PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 43
Pathology					
Gross Exam df	Exam	RADS JPN	13-Nov-2019	0 / 15	0 / 129
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 115
Helminths ade	Exam/PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 137



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	29-Nov-2019	0 / 1	0 / 91
<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
Hino H13 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-Dec-2019	0 / 16	0 / 203
PVM ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203
SDAV ace	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 211
KRV ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203
H-1 ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203
RPV ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203
RMV ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203
REO ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203
RTV ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203
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	29-Nov-2019	0 / 1	0 / 115
CAR Bacillus ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 115
<i>H. bilis</i> ade	PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 67
<i>H. hepaticus</i> ade	PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 67
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 67
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 115
<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	29-Nov-2019	0 / 1	0 / 115
<i>S. moniliformis</i> ad	PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 115
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 225
<i>Pneumocystis sp.</i> ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203
<i>C. bovis</i> bde	PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 43
Pathology					
Gross Exam df	Exam	RADS JPN	13-Nov-2019	0 / 15	0 / 113
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 115
Helminths ade	Exam/PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 137
Enteric Protozoa ade	Exam/PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 91
<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	Most Recent Positive / Tested	Past 18 Months Positive / Tested
Hino H21 Rats	SPF/VAF						
Virology							
	SEND ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203	
	PVM ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203	
	SDAV ace	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 211	
	KRV ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203	
	H-1 ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203	
	RPV ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203	
	RMV ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203	
	REO ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203	
	RTV ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203	
	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	29-Nov-2019	0 / 1	0 / 115	
	CAR Bacillus ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59	
	<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 115	
	<i>H. bilis</i> ade	PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 67	
	<i>H. hepaticus</i> ade	PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 67	
	<i>Helicobacter sp.</i> ade	PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 67	
	<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203	
	<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 115	
	<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	29-Nov-2019	0 / 1	0 / 115	
	<i>S. moniliformis</i> ad	PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59	
	<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 115	
	CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 225	
	<i>Pneumocystis sp.</i> ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203	
	<i>C. bovis</i> bde	PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 43	
Pathology							
	Gross Exam df	Exam	RADS JPN	13-Nov-2019	0 / 15	0 / 113	
Parasitology							
	Ectoparasites ade	Exam/PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 115	
	Helminths ade	Exam/PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 137	
	Enteric Protozoa ade	Exam/PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 91	
	<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	11-Dec-2019	0 / 16	0 / 203
PVM ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203
MHV ace	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 211
MVM ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203
MPV ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203
MNV ace	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 211
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203
REO ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203
EDIM ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203
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	29-Nov-2019	0 / 1	0 / 115
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 137
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	29-Nov-2019	0 / 1	0 / 115
<i>H. bilis</i> ade	PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 67
<i>H. hepaticus</i> ade	PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 67
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 67
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 203
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 115
<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	29-Nov-2019	0 / 1	0 / 115
<i>S. moniliformis</i> ad	PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 115
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 225
<i>C. bovis</i> bde	PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 43

Pathology					
Gross Exam df	Exam	RADS JPN	13-Nov-2019	0 / 15	0 / 129

Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 115
Helminths ade	Exam/PCR	RADS JPN	29-Nov-2019	0 / 1	0 / 137



charles river
Mouse SPF/VAF Report
Japan

Charles River Laboratories Yokohama

Location
Hino H22 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	29-Nov-2019	0 / 1	0 / 91
<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: Tsukuba T21 Mice
Health Status: SPF/VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Virology					
SEND ac	PCR	RADS JPN	03-Dec-2019	0 / 12	0 / 410
PVM ac	PCR	RADS JPN	03-Dec-2019	0 / 12	0 / 410
MHV ac	PCR	RADS JPN	03-Dec-2019	0 / 12	0 / 410
MVM ac	PCR	RADS JPN	03-Dec-2019	0 / 12	0 / 410
MPV ac	PCR	RADS JPN	03-Dec-2019	0 / 12	0 / 410
MNV ac	PCR	RADS JPN	03-Dec-2019	0 / 12	0 / 410
TMEV (GDVII) ac	PCR	RADS JPN	03-Dec-2019	0 / 12	0 / 410
REO ac	PCR	RADS JPN	03-Dec-2019	0 / 12	0 / 410
EDIM ac	PCR	RADS JPN	03-Dec-2019	0 / 12	0 / 410
LCMV a	PCR	RADS JPN	02-Dec-2019	0 / 12	0 / 175
ECTRO a	PCR	RADS JPN	02-Dec-2019	0 / 12	0 / 175
MAV a	PCR	RADS JPN	02-Dec-2019	0 / 12	0 / 175
MCMV a	PCR	RADS JPN	02-Dec-2019	0 / 12	0 / 175
K a	PCR	RADS JPN	02-Dec-2019	0 / 12	0 / 175
POLY a	PCR	RADS JPN	02-Dec-2019	0 / 12	0 / 175
HANT a	PCR	RADS JPN	02-Dec-2019	0 / 12	0 / 175
MTLV a	PCR	RADS JPN	02-Dec-2019	0 / 12	0 / 175
LDV ad	PCR	RADS JPN	02-Dec-2019	0 / 12	0 / 128
Microbiology					
<i>B. bronchiseptica</i> abc	Culture/PCR	RADS JPN	03-Dec-2019	0 / 56	0 / 1,039
<i>C. rodentium</i> abc	Culture/PCR	RADS JPN	03-Dec-2019	0 / 56	0 / 1,039
CAR <i>Bacillus</i> a	PCR	RADS JPN	02-Dec-2019	0 / 12	0 / 175
<i>C. kutscheri</i> abc	Culture/PCR	RADS JPN	03-Dec-2019	0 / 56	0 / 1,039
<i>H. bilis</i> a	PCR	RADS JPN	03-Dec-2019	0 / 12	0 / 336
<i>H. hepaticus</i> a	PCR	RADS JPN	03-Dec-2019	0 / 12	0 / 336
<i>Helicobacter</i> sp. a	PCR	RADS JPN	03-Dec-2019	0 / 12	0 / 336
<i>M. pulmonis</i> ac	PCR	RADS JPN	03-Dec-2019	0 / 12	0 / 462
<i>P. pneumotropica</i> abc	Culture/PCR	RADS JPN	03-Dec-2019	0 / 56	0 / 1,039
<i>P. aeruginosa</i> abc	Culture/PCR	RADS JPN	03-Dec-2019	0 / 56	0 / 1,039
<i>Salmonella</i> sp. abc	Culture/PCR	RADS JPN	03-Dec-2019	0 / 56	0 / 1,039
<i>Staph. aureus</i> abc	Culture/PCR	RADS JPN	03-Dec-2019	0 / 56	0 / 1,039
<i>S. moniliformis</i> a	PCR	RADS JPN	02-Dec-2019	0 / 12	0 / 227
<i>Strep. pneumoniae</i> abc	Culture/PCR	RADS JPN	03-Dec-2019	0 / 56	0 / 1,039
Beta <i>Strep.</i> sp. a	Culture/PCR	RADS JPN	02-Dec-2019	0 / 12	0 / 539
CPIL (<i>Tyzzers Disease</i>) ac	Exam/PCR	RADS JPN	03-Dec-2019	0 / 12	0 / 648
<i>Pneumocystis</i> sp. ac	PCR	RADS JPN	03-Dec-2019	0 / 12	0 / 410
<i>C. bovis</i> ac	PCR	RADS JPN	03-Dec-2019	0 / 12	0 / 237
Pathology					
Gross Exam ad	Exam	RADS JPN	02-Dec-2019	0 / 12	0 / 539



Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

<i>Location</i>	<i>Health Status</i>
Tsukuba T21 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	02-Dec-2019	0 / 12	0 / 539
<i>Helminths ade</i>	Exam	RADS JPN	02-Dec-2019	0 / 12	0 / 539
<i>Enteric Protozoa ad</i>	Exam	RADS JPN	02-Dec-2019	0 / 12	0 / 418
<i>E. cuniculi ad</i>	PCR	RADS JPN	02-Dec-2019	0 / 12	0 / 175

* 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	10-Dec-2019	0 / 10	0 / 313
PVM ac	PCR	RADS JPN	10-Dec-2019	0 / 10	0 / 313
MHV ac	PCR	RADS JPN	10-Dec-2019	0 / 10	0 / 313
MVM ac	PCR	RADS JPN	10-Dec-2019	0 / 10	0 / 313
MPV ac	PCR	RADS JPN	10-Dec-2019	0 / 10	0 / 313
MNV ac	PCR	RADS JPN	10-Dec-2019	0 / 10	0 / 313
TMEV (GDVII) ac	PCR	RADS JPN	10-Dec-2019	0 / 10	0 / 313
REO ac	PCR	RADS JPN	10-Dec-2019	0 / 10	0 / 313
EDIM ac	PCR	RADS JPN	10-Dec-2019	0 / 10	0 / 313
LCMV a	PCR	RADS JPN	09-Dec-2019	0 / 12	0 / 147
ECTRO a	PCR	RADS JPN	09-Dec-2019	0 / 12	0 / 147
MAV a	PCR	RADS JPN	09-Dec-2019	0 / 12	0 / 147
MCMV a	PCR	RADS JPN	09-Dec-2019	0 / 12	0 / 147
K a	PCR	RADS JPN	09-Dec-2019	0 / 12	0 / 147
POLY a	PCR	RADS JPN	09-Dec-2019	0 / 12	0 / 147
HANT a	PCR	RADS JPN	09-Dec-2019	0 / 12	0 / 147
MTLV a	PCR	RADS JPN	09-Dec-2019	0 / 12	0 / 147
LDV ad	PCR	RADS JPN	09-Dec-2019	0 / 12	0 / 120
Microbiology					
<i>B. bronchiseptica</i> abc	Culture/PCR	RADS JPN	10-Dec-2019	0 / 45	0 / 839
<i>C. rodentium</i> abc	Culture/PCR	RADS JPN	10-Dec-2019	0 / 45	0 / 839
CAR Bacillus a	PCR	RADS JPN	09-Dec-2019	0 / 12	0 / 147
<i>C. kutscheri</i> abc	Culture/PCR	RADS JPN	10-Dec-2019	0 / 45	0 / 839
<i>H. bilis</i> a	PCR	RADS JPN	10-Dec-2019	0 / 10	0 / 281
<i>H. hepaticus</i> a	PCR	RADS JPN	10-Dec-2019	0 / 10	0 / 281
<i>Helicobacter sp.</i> a	PCR	RADS JPN	10-Dec-2019	0 / 10	0 / 281
<i>M. pulmonis</i> ac	PCR	RADS JPN	10-Dec-2019	0 / 10	0 / 367
<i>P. pneumotropica</i> abc	Culture/PCR	RADS JPN	10-Dec-2019	0 / 45	0 / 839
<i>P. aeruginosa</i> abc	Culture/PCR	RADS JPN	10-Dec-2019	0 / 45	0 / 839
<i>Salmonella sp.</i> abc	Culture/PCR	RADS JPN	10-Dec-2019	0 / 45	0 / 839
<i>Staph. aureus</i> abc	Culture/PCR	RADS JPN	10-Dec-2019	0 / 45	0 / 839
<i>S. moniliformis</i> a	PCR	RADS JPN	09-Dec-2019	0 / 12	0 / 201
<i>Strep. pneumoniae</i> abc	Culture/PCR	RADS JPN	10-Dec-2019	0 / 45	0 / 839
Beta Strep. sp. a	Culture/PCR	RADS JPN	09-Dec-2019	0 / 12	0 / 459
CPIL (Tyzzer's Disease) ac	Exam/PCR	RADS JPN	10-Dec-2019	0 / 10	0 / 539
<i>Pneumocystis sp.</i> ac	PCR	RADS JPN	10-Dec-2019	0 / 10	0 / 313
<i>C. bovis</i> ac	PCR	RADS JPN	10-Dec-2019	0 / 10	0 / 200
Pathology					
Gross Exam ad	Exam	RADS JPN	09-Dec-2019	0 / 12	0 / 459



Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

<i>Location</i>	<i>Health Status</i>
Tsukuba T22 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	09-Dec-2019	0 / 12	0 / 459
<i>Helminths ade</i>	Exam	RADS JPN	09-Dec-2019	0 / 12	0 / 459
<i>Enteric Protozoa ad</i>	Exam	RADS JPN	09-Dec-2019	0 / 12	0 / 346
<i>E. cuniculi ad</i>	PCR	RADS JPN	09-Dec-2019	0 / 12	0 / 147

* 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	17-Dec-2019	0 / 13	0 / 394
PVM ac	PCR	RADS JPN	17-Dec-2019	0 / 13	0 / 394
MHV ac	PCR	RADS JPN	17-Dec-2019	0 / 13	0 / 394
MVM ac	PCR	RADS JPN	17-Dec-2019	0 / 13	0 / 394
MPV ac	PCR	RADS JPN	17-Dec-2019	0 / 13	0 / 394
MNV ac	PCR	RADS JPN	17-Dec-2019	0 / 13	0 / 394
TMEV (GDVII) ac	PCR	RADS JPN	17-Dec-2019	0 / 13	0 / 394
REO ac	PCR	RADS JPN	17-Dec-2019	0 / 13	0 / 394
EDIM ac	PCR	RADS JPN	17-Dec-2019	0 / 13	0 / 394
LCMV a	PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 179
ECTRO a	PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 179
MAV a	PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 179
MCMV a	PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 179
K a	PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 179
POLY a	PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 179
HANT a	PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 179
MTLV a	PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 179
LDV ad	PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 148
Microbiology					
<i>B. bronchiseptica</i> abc	Culture/PCR	RADS JPN	17-Dec-2019	0 / 58	0 / 1,070
<i>C. rodentium</i> abc	Culture/PCR	RADS JPN	17-Dec-2019	0 / 58	0 / 1,070
CAR <i>Bacillus</i> a	PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 179
<i>C. kutscheri</i> abc	Culture/PCR	RADS JPN	17-Dec-2019	0 / 58	0 / 1,070
<i>H. bilis</i> a	PCR	RADS JPN	17-Dec-2019	0 / 13	0 / 350
<i>H. hepaticus</i> a	PCR	RADS JPN	17-Dec-2019	0 / 13	0 / 350
<i>Helicobacter</i> sp. a	PCR	RADS JPN	17-Dec-2019	0 / 13	0 / 350
<i>M. pulmonis</i> ac	PCR	RADS JPN	17-Dec-2019	0 / 13	0 / 456
<i>P. pneumotropica</i> abc	Culture/PCR	RADS JPN	17-Dec-2019	0 / 58	0 / 1,070
<i>P. aeruginosa</i> abc	Culture/PCR	RADS JPN	17-Dec-2019	0 / 58	0 / 1,070
<i>Salmonella</i> sp. abc	Culture/PCR	RADS JPN	17-Dec-2019	0 / 58	0 / 1,070
<i>Staph. aureus</i> abc	Culture/PCR	RADS JPN	17-Dec-2019	0 / 58	0 / 1,070
<i>S. moniliformis</i> a	PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 241
<i>Strep. pneumoniae</i> abc	Culture/PCR	RADS JPN	17-Dec-2019	0 / 58	0 / 1,070
Beta <i>Strep.</i> sp. a	Culture/PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 559
CPIL (<i>Tyzzers Disease</i>) ac	Exam/PCR	RADS JPN	17-Dec-2019	0 / 13	0 / 668
<i>Pneumocystis</i> sp. ac	PCR	RADS JPN	17-Dec-2019	0 / 13	0 / 394
<i>C. bovis</i> ac	PCR	RADS JPN	17-Dec-2019	0 / 13	0 / 257
Pathology					
Gross Exam ad	Exam	RADS JPN	11-Dec-2019	0 / 16	0 / 559



Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

<i>Location</i>	<i>Health Status</i>
Tsukuba T23 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	11-Dec-2019	0 / 16	0 / 559
<i>Helminths</i> ade	Exam	RADS JPN	11-Dec-2019	0 / 16	0 / 559
<i>Enteric Protozoa</i> ad	Exam	RADS JPN	11-Dec-2019	0 / 16	0 / 423
<i>E. cuniculi</i> ad	PCR	RADS JPN	11-Dec-2019	0 / 16	0 / 179

* dashes indicate not tested during specified period

HOUSED STRAINS

Other Strains

Congenic
 NOD SCID
 SCID BEIGE

COLONY POLICY FOR A POSITIVE RESULT: immediate termination

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