

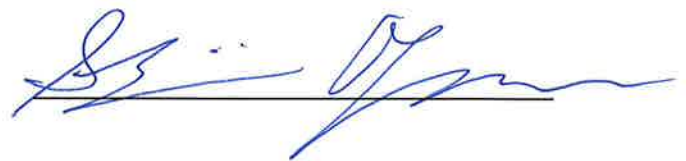
2020年1月31日

お客様 各位

生産動物 微生物モニタリング結果報告書

(2020年1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	06-Jan-2020	0 / 16	0 / 211
PVM ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
MHV ace	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 220
MVM ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
MPV ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
MNV ace	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 220
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
REO ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
EDIM ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
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	25-Dec-2019	0 / 1	0 / 124
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 138
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	25-Dec-2019	0 / 1	0 / 124
<i>H. bilis</i> ade	PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 74
<i>H. hepaticus</i> ade	PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 74
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 74
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 217
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 124
<i>P. aeruginosa</i> ade	Culture/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 124
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 124
<i>Staph. aureus</i> ade	Culture/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 124
<i>S. moniliformis</i> ad	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 65
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 124
CPIL (<i>Tyzzler's Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 241
<i>Pneumocystis</i> sp. ad	PCR	RADS JPN	11-Nov-2019	0 / 5	0 / 27
<i>C. bovis</i> ade	PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 54
Pathology					
Gross Exam df	Exam	RADS JPN	11-Nov-2019	0 / 15	0 / 129



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	25-Dec-2019	0 / 1	0 / 133
<i>Helminths</i> ade	Exam/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 138
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 100
<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	06-Jan-2020	0 / 16	0 / 211
PVM ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
MHV ace	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 220
MVM ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
MPV ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
MNV ace	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 220
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
REO ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
EDIM ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
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	25-Dec-2019	0 / 1	0 / 124
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 138
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	25-Dec-2019	0 / 1	0 / 124
<i>H. bilis</i> ade	PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 74
<i>H. hepaticus</i> ade	PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 74
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 74
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 217
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 124
<i>P. aeruginosa</i> ade	Culture/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 124
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 124
<i>Staph. aureus</i> ade	Culture/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 124
<i>S. moniliformis</i> ad	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 65
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 124
CPIL (<i>Tyzzler's Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 241
<i>Pneumocystis</i> sp. ad	PCR	RADS JPN	11-Nov-2019	0 / 5	0 / 27
<i>C. bovis</i> ade	PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 54
Pathology					
Gross Exam df	Exam	RADS JPN	11-Nov-2019	0 / 15	0 / 129



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	25-Dec-2019	0 / 1	0 / 133
<i>Helminths</i> ade	Exam/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 138
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 100
<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	06-Jan-2020	0 / 16	0 / 211
PVM ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
MHV ace	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 220
MVM ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
MPV ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
MNV ace	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 220
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
REO ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
EDIM ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
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	25-Dec-2019	0 / 1	0 / 108
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 130
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	25-Dec-2019	0 / 1	0 / 108
<i>H. bilis</i> ade	PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 68
<i>H. hepaticus</i> ade	PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 68
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 68
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 108
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 99
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 108
<i>S. moniliformis</i> ad	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 108
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 233
<i>C. bovis</i> bde	PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 44
Pathology					
Gross Exam df	Exam	RADS JPN	11-Nov-2019	0 / 15	0 / 121
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 108
Helminths ade	Exam/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 130



charles river
Mouse SPF/VAF Report
Japan

Charles River Laboratories Yokohama

Location
 Atsugi A13 Mice

Health Status
 SPF/VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Parasitology					
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 88
<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	06-Jan-2020	0 / 16	0 / 211
PVM ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
MHV ace	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 220
MVM ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
MPV ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
MNV ace	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 220
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
REO ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
EDIM ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
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	25-Dec-2019	0 / 1	0 / 108
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 130
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	25-Dec-2019	0 / 1	0 / 108
<i>H. bilis</i> ade	PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 68
<i>H. hepaticus</i> ade	PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 68
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 68
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 108
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 99
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 108
<i>S. moniliformis</i> ad	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 108
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 233
<i>C. bovis</i> bde	PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 44
Pathology					
Gross Exam df	Exam	RADS JPN	11-Nov-2019	0 / 15	0 / 121
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 108
Helminths ade	Exam/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 130



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	25-Dec-2019	0 / 1	0 / 88
<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	06-Jan-2020	0 / 16	0 / 211
PVM ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
MHV ace	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 220
MVM ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
MPV ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
MNV ace	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 220
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
REO ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
EDIM ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
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	25-Dec-2019	0 / 1	0 / 108
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 130
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	25-Dec-2019	0 / 1	0 / 108
<i>H. bilis</i> ade	PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 68
<i>H. hepaticus</i> ade	PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 68
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 68
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 108
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 99
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 108
<i>S. moniliformis</i> ad	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 108
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 233
<i>C. bovis</i> bde	PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 44
Pathology					
Gross Exam df	Exam	RADS JPN	11-Nov-2019	0 / 15	0 / 121
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 108
Helminths ade	Exam/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 130



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	25-Dec-2019	0 / 1	0 / 88
<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: Atsugi A21 Rats
Health Status: SPF/VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Virology					
SEND ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 155
PVM ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 155
SDAV ace	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 164
KRV ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 155
H-1 ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 155
RPV ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 155
RMV ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 155
REO ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 155
RTV ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 155
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	25-Dec-2019	0 / 1	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	25-Dec-2019	0 / 1	0 / 52
<i>H. bilis</i> ade	PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 44
<i>H. hepaticus</i> ade	PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 44
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 44
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 155
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 52
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 43
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 52
<i>S. moniliformis</i> ad	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 35
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 52
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 165
<i>Pneumocystis</i> sp. ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 155
<i>C. bovis</i> bde	PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 44
Pathology					
Gross Exam df	Exam	RADS JPN	11-Nov-2019	0 / 15	0 / 53
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 51
Helminths ade	Exam/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 62
Enteric Protozoa ade	Exam/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 48
<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		Summary Item			
			Method	Primary Lab	Test Date	Most Recent Positive / Tested
Atsugi A23 Mice	SPF/VAF					
Virology						
	SEND ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
	PVM ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
	MHV ace	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 220
	MVM ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
	MPV ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
	MNV ace	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 220
	TMEV (GDVII) ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
	REO ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
	EDIM ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
	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	25-Dec-2019	0 / 1	0 / 108
	<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 130
	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	25-Dec-2019	0 / 1	0 / 108
	<i>H. bilis</i> ade	PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 68
	<i>H. hepaticus</i> ade	PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 68
	<i>Helicobacter</i> sp. ade	PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 68
	<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 211
	<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 108
	<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 99
	<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 108
	<i>S. moniliformis</i> ad	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 59
	<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 108
	CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 233
	<i>C. bovis</i> bde	PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 44
Pathology						
	Gross Exam df	Exam	RADS JPN	11-Nov-2019	0 / 15	0 / 121
Parasitology						
	Ectoparasites ade	Exam/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 108
	Helminths ade	Exam/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 130



charles river
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
Parasitology					
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 88
<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	06-Jan-2020	0 / 16	0 / 89
PVM ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 89
MHV ace	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 96
MVM ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 89
MPV ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 89
MNV ace	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 96
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 89
REO ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 89
EDIM ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 89
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	25-Dec-2019	0 / 1	0 / 32
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 37
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	25-Dec-2019	0 / 1	0 / 32
<i>H. bilis</i> ade	PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 32
<i>H. hepaticus</i> ade	PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 32
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 32
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 89
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 32
<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	25-Dec-2019	0 / 1	0 / 32
<i>S. moniliformis</i> ad	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 25
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 32
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 94
<i>C. bovis</i> bde	PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 32
Pathology					
Gross Exam df	Exam	RADS JPN	11-Nov-2019	0 / 15	0 / 30
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 32
Helminths ade	Exam/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 37



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	25-Dec-2019	0 / 1	0 / 32
<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
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	06-Jan-2020	0 / 16	0 / 131
PVM ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 131
MHV ace	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 140
MVM ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 131
MPV ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 131
MNV ace	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 140
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 131
REO ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 131
EDIM ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 131
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	25-Dec-2019	0 / 1	0 / 44
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 54
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	25-Dec-2019	0 / 1	0 / 44
<i>H. bilis</i> ade	PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 44
<i>H. hepaticus</i> ade	PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 44
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 44
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 131
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 44
<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	25-Dec-2019	0 / 1	0 / 44
<i>S. moniliformis</i> ad	PCR	RADS JPN	11-Nov-2019	0 / 15	0 / 35
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 44
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	06-Jan-2020	0 / 16	0 / 141
<i>C. bovis</i> bde	PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 34
Pathology					
Gross Exam df	Exam	RADS JPN	11-Nov-2019	0 / 15	0 / 45
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 44
Helminths ade	Exam/PCR	RADS JPN	25-Dec-2019	0 / 1	0 / 54



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	25-Dec-2019	0 / 1	0 / 44
<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		Summary Item				
			Method	Primary Lab	Test Date	Most Recent Positive / Tested	Past 18 Months Positive / Tested
Hino H11 Rats	SPF/VAF						
Virology							
SEND ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211		
PVM ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211		
SDAV ace	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 220		
KRV ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211		
H-1 ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211		
RPV ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211		
RMV ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211		
REO ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211		
RTV ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211		
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	26-Dec-2019	0 / 1	0 / 108		
CAR Bacillus ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59		
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 108		
<i>H. bilis</i> ade	PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 68		
<i>H. hepaticus</i> ade	PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 68		
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 68		
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211		
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 108		
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 99		
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 108		
<i>S. moniliformis</i> ad	PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59		
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 108		
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 233		
<i>Pneumocystis sp.</i> ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211		
<i>C. bovis</i> bde	PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 44		
Pathology							
Gross Exam df	Exam	RADS JPN	13-Nov-2019	0 / 15	0 / 121		
Parasitology							
Ectoparasites ade	Exam/PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 108		
Helminths ade	Exam/PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 130		
Enteric Protozoa ade	Exam/PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 88		
<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
Hino H12 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	08-Jan-2020	0 / 16	0 / 211
PVM ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211
MHV ace	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 220
MVM ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211
MPV ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211
MNV ace	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 220
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211
REO ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211
EDIM ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211
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	26-Dec-2019	0 / 1	0 / 108
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 130
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	26-Dec-2019	0 / 1	0 / 108
<i>H. bilis</i> ade	PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 68
<i>H. hepaticus</i> ade	PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 68
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 68
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 108
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 99
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 108
<i>S. moniliformis</i> ad	PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 108
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 233
<i>C. bovis</i> bde	PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 44

Pathology					
Gross Exam df	Exam	RADS JPN	13-Nov-2019	0 / 15	0 / 121

Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 108
Helminths ade	Exam/PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 130



charles river
Mouse SPF/VAF Report
Japan

Charles River Laboratories Yokohama

Location Hino H12 Mice *Health Status* SPF/VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Parasitology					
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 88
<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	08-Jan-2020	0 / 16	0 / 211		
PVM ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211		
SDAV ace	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 220		
KRV ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211		
H-1 ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211		
RPV ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211		
RMV ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211		
REO ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211		
RTV ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211		
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	26-Dec-2019	0 / 1	0 / 108		
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	26-Dec-2019	0 / 1	0 / 108		
<i>H. bilis</i> ade	PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 68		
<i>H. hepaticus</i> ade	PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 68		
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 68		
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211		
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 108		
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 99		
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 108		
<i>S. moniliformis</i> ad	PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59		
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 108		
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 233		
<i>Pneumocystis</i> sp. ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211		
<i>C. bovis</i> bde	PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 44		
Pathology							
Gross Exam df	Exam	RADS JPN	13-Nov-2019	0 / 15	0 / 121		
Parasitology							
Ectoparasites ade	Exam/PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 108		
Helminths ade	Exam/PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 130		
Enteric Protozoa ade	Exam/PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 88		
<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	08-Jan-2020	0 / 16	0 / 211
PVM ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211
SDAV ace	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 220
KRV ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211
H-1 ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211
RPV ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211
RMV ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211
REO ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211
RTV ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211
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	26-Dec-2019	0 / 1	0 / 108
CAR Bacillus ad	MFIA/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 108
<i>H. bilis</i> ade	PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 68
<i>H. hepaticus</i> ade	PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 68
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 68
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 108
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 99
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 108
<i>S. moniliformis</i> ad	PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 108
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 233
<i>Pneumocystis sp.</i> ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211
<i>C. bovis</i> bde	PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 44
Pathology					
Gross Exam df	Exam	RADS JPN	13-Nov-2019	0 / 15	0 / 121
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 108
Helminths ade	Exam/PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 130
Enteric Protozoa ade	Exam/PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 88
<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	08-Jan-2020	0 / 16	0 / 211
PVM ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211
MHV ace	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 220
MVM ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211
MPV ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211
MNV ace	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 220
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211
REO ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211
EDIM ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211
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	26-Dec-2019	0 / 1	0 / 108
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 130
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	26-Dec-2019	0 / 1	0 / 108
<i>H. bilis</i> ade	PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 68
<i>H. hepaticus</i> ade	PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 68
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 68
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 211
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 108
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 99
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 108
<i>S. moniliformis</i> ad	PCR	RADS JPN	13-Nov-2019	0 / 15	0 / 59
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 108
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	08-Jan-2020	0 / 16	0 / 233
<i>C. bovis</i> bde	PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 44

Pathology					
Gross Exam df	Exam	RADS JPN	13-Nov-2019	0 / 15	0 / 121

Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 108
Helminths ade	Exam/PCR	RADS JPN	26-Dec-2019	0 / 1	0 / 130



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	26-Dec-2019	0 / 1	0 / 88
<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	07-Jan-2020	0 / 31	0 / 404
PVM ac	PCR	RADS JPN	07-Jan-2020	0 / 31	0 / 404
MHV ac	PCR	RADS JPN	07-Jan-2020	0 / 31	0 / 404
MVM ac	PCR	RADS JPN	07-Jan-2020	0 / 31	0 / 404
MPV ac	PCR	RADS JPN	07-Jan-2020	0 / 31	0 / 404
MNV ac	PCR	RADS JPN	07-Jan-2020	0 / 31	0 / 404
TMEV (GDVII) ac	PCR	RADS JPN	07-Jan-2020	0 / 31	0 / 404
REO ac	PCR	RADS JPN	07-Jan-2020	0 / 31	0 / 404
EDIM ac	PCR	RADS JPN	07-Jan-2020	0 / 31	0 / 404
LCMV a	PCR	RADS JPN	07-Jan-2020	0 / 20	0 / 192
ECTRO a	PCR	RADS JPN	07-Jan-2020	0 / 20	0 / 192
MAV a	PCR	RADS JPN	07-Jan-2020	0 / 20	0 / 192
MCMV a	PCR	RADS JPN	07-Jan-2020	0 / 20	0 / 192
K a	PCR	RADS JPN	07-Jan-2020	0 / 20	0 / 192
POLY a	PCR	RADS JPN	07-Jan-2020	0 / 20	0 / 192
HANT a	PCR	RADS JPN	07-Jan-2020	0 / 20	0 / 192
MTLV a	PCR	RADS JPN	07-Jan-2020	0 / 20	0 / 192
LDV ad	PCR	RADS JPN	07-Jan-2020	0 / 20	0 / 148
Microbiology					
<i>B. bronchiseptica</i> abc	Culture/PCR	RADS JPN	07-Jan-2020	0 / 73	0 / 1,031
<i>C. rodentium</i> abc	Culture/PCR	RADS JPN	07-Jan-2020	0 / 73	0 / 1,031
CAR Bacillus a	PCR	RADS JPN	07-Jan-2020	0 / 20	0 / 192
<i>C. kutscheri</i> abc	Culture/PCR	RADS JPN	07-Jan-2020	0 / 73	0 / 1,031
<i>H. bilis</i> a	PCR	RADS JPN	07-Jan-2020	0 / 31	0 / 364
<i>H. hepaticus</i> a	PCR	RADS JPN	07-Jan-2020	0 / 31	0 / 364
<i>Helicobacter sp.</i> a	PCR	RADS JPN	07-Jan-2020	0 / 31	0 / 364
<i>M. pulmonis</i> ac	PCR	RADS JPN	07-Jan-2020	0 / 31	0 / 456
<i>P. pneumotropica</i> abc	Culture/PCR	RADS JPN	07-Jan-2020	0 / 73	0 / 1,031
<i>P. aeruginosa</i> abc	Culture/PCR	RADS JPN	07-Jan-2020	0 / 73	0 / 1,031
<i>Salmonella sp.</i> abc	Culture/PCR	RADS JPN	07-Jan-2020	0 / 73	0 / 1,031
<i>Staph. aureus</i> abc	Culture/PCR	RADS JPN	07-Jan-2020	0 / 73	0 / 1,031
<i>S. moniliformis</i> a	PCR	RADS JPN	07-Jan-2020	0 / 20	0 / 244
<i>Strep. pneumoniae</i> abc	Culture/PCR	RADS JPN	07-Jan-2020	0 / 73	0 / 1,031
Beta Strep. sp. a	Culture/PCR	RADS JPN	07-Jan-2020	0 / 20	0 / 478
CPIL (Tyzzer's Disease) ac	Exam/PCR	RADS JPN	07-Jan-2020	0 / 31	0 / 598
<i>Pneumocystis sp.</i> ac	PCR	RADS JPN	07-Jan-2020	0 / 31	0 / 404
<i>C. bovis</i> ac	PCR	RADS JPN	07-Jan-2020	0 / 31	0 / 268
Pathology					
Gross Exam ad	Exam	RADS JPN	07-Jan-2020	0 / 20	0 / 478



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	07-Jan-2020	0 / 20	0 / 478
<i>Helminths ade</i>	Exam	RADS JPN	07-Jan-2020	0 / 20	0 / 478
<i>Enteric Protozoa ad</i>	Exam	RADS JPN	07-Jan-2020	0 / 20	0 / 380
<i>E. cuniculi ad</i>	PCR	RADS JPN	07-Jan-2020	0 / 20	0 / 192

* 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: Tsukuba T22 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	14-Jan-2020	0 / 10	0 / 317
PVM ac	PCR	RADS JPN	14-Jan-2020	0 / 10	0 / 317
MHV ac	PCR	RADS JPN	14-Jan-2020	0 / 10	0 / 317
MVM ac	PCR	RADS JPN	14-Jan-2020	0 / 10	0 / 317
MPV ac	PCR	RADS JPN	14-Jan-2020	0 / 10	0 / 317
MNV ac	PCR	RADS JPN	14-Jan-2020	0 / 10	0 / 317
TMEV (GDVII) ac	PCR	RADS JPN	14-Jan-2020	0 / 10	0 / 317
REO ac	PCR	RADS JPN	14-Jan-2020	0 / 10	0 / 317
EDIM ac	PCR	RADS JPN	14-Jan-2020	0 / 10	0 / 317
LCMV a	PCR	RADS JPN	08-Jan-2020	0 / 8	0 / 155
ECTRO a	PCR	RADS JPN	08-Jan-2020	0 / 8	0 / 155
MAV a	PCR	RADS JPN	08-Jan-2020	0 / 8	0 / 155
MCMV a	PCR	RADS JPN	08-Jan-2020	0 / 8	0 / 155
K a	PCR	RADS JPN	08-Jan-2020	0 / 8	0 / 155
POLY a	PCR	RADS JPN	08-Jan-2020	0 / 8	0 / 155
HANT a	PCR	RADS JPN	08-Jan-2020	0 / 8	0 / 155
MTLV a	PCR	RADS JPN	08-Jan-2020	0 / 8	0 / 155
LDV ad	PCR	RADS JPN	08-Jan-2020	0 / 8	0 / 128
Microbiology					
<i>B. bronchiseptica</i> abc	Culture/PCR	RADS JPN	14-Jan-2020	0 / 46	0 / 851
<i>C. rodentium</i> abc	Culture/PCR	RADS JPN	14-Jan-2020	0 / 46	0 / 851
CAR Bacillus a	PCR	RADS JPN	08-Jan-2020	0 / 8	0 / 155
<i>C. kutscheri</i> abc	Culture/PCR	RADS JPN	14-Jan-2020	0 / 46	0 / 851
<i>H. bilis</i> a	PCR	RADS JPN	14-Jan-2020	0 / 10	0 / 299
<i>H. hepaticus</i> a	PCR	RADS JPN	14-Jan-2020	0 / 10	0 / 299
<i>Helicobacter sp.</i> a	PCR	RADS JPN	14-Jan-2020	0 / 10	0 / 299
<i>M. pulmonis</i> ac	PCR	RADS JPN	14-Jan-2020	0 / 10	0 / 371
<i>P. pneumotropica</i> abc	Culture/PCR	RADS JPN	14-Jan-2020	0 / 46	0 / 851
<i>P. aeruginosa</i> abc	Culture/PCR	RADS JPN	14-Jan-2020	0 / 46	0 / 851
<i>Salmonella sp.</i> abc	Culture/PCR	RADS JPN	14-Jan-2020	0 / 46	0 / 851
<i>Staph. aureus</i> abc	Culture/PCR	RADS JPN	14-Jan-2020	0 / 46	0 / 851
<i>S. moniliformis</i> a	PCR	RADS JPN	08-Jan-2020	0 / 8	0 / 209
<i>Strep. pneumoniae</i> abc	Culture/PCR	RADS JPN	14-Jan-2020	0 / 46	0 / 851
Beta Strep. sp. a	Culture/PCR	RADS JPN	08-Jan-2020	0 / 8	0 / 425
CPIL (Tyzzer's Disease) ac	Exam/PCR	RADS JPN	14-Jan-2020	0 / 10	0 / 515
<i>Pneumocystis sp.</i> ac	PCR	RADS JPN	14-Jan-2020	0 / 10	0 / 317
<i>C. bovis</i> ac	PCR	RADS JPN	14-Jan-2020	0 / 10	0 / 218
Pathology					
Gross Exam ad	Exam	RADS JPN	08-Jan-2020	0 / 8	0 / 425



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	08-Jan-2020	0 / 8	0 / 425
<i>Helminths ade</i>	Exam	RADS JPN	08-Jan-2020	0 / 8	0 / 425
<i>Enteric Protozoa ad</i>	Exam	RADS JPN	08-Jan-2020	0 / 8	0 / 326
<i>E. cuniculi ad</i>	PCR	RADS JPN	08-Jan-2020	0 / 8	0 / 155

* 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	21-Jan-2020	0 / 12	0 / 405
PVM ac	PCR	RADS JPN	21-Jan-2020	0 / 12	0 / 405
MHV ac	PCR	RADS JPN	21-Jan-2020	0 / 12	0 / 405
MVM ac	PCR	RADS JPN	21-Jan-2020	0 / 12	0 / 405
MPV ac	PCR	RADS JPN	21-Jan-2020	0 / 12	0 / 405
MNV ac	PCR	RADS JPN	21-Jan-2020	0 / 12	0 / 405
TMEV (GDVII) ac	PCR	RADS JPN	21-Jan-2020	0 / 12	0 / 405
REO ac	PCR	RADS JPN	21-Jan-2020	0 / 12	0 / 405
EDIM ac	PCR	RADS JPN	21-Jan-2020	0 / 12	0 / 405
LCMV a	PCR	RADS JPN	09-Jan-2020	0 / 16	0 / 195
ECTRO a	PCR	RADS JPN	09-Jan-2020	0 / 16	0 / 195
MAV a	PCR	RADS JPN	09-Jan-2020	0 / 16	0 / 195
MCMV a	PCR	RADS JPN	09-Jan-2020	0 / 16	0 / 195
K a	PCR	RADS JPN	09-Jan-2020	0 / 16	0 / 195
POLY a	PCR	RADS JPN	09-Jan-2020	0 / 16	0 / 195
HANT a	PCR	RADS JPN	09-Jan-2020	0 / 16	0 / 195
MTLV a	PCR	RADS JPN	09-Jan-2020	0 / 16	0 / 195
LDV ad	PCR	RADS JPN	09-Jan-2020	0 / 16	0 / 148
Microbiology					
<i>B. bronchiseptica</i> abc	Culture/PCR	RADS JPN	21-Jan-2020	0 / 57	0 / 1,092
<i>C. rodentium</i> abc	Culture/PCR	RADS JPN	21-Jan-2020	0 / 57	0 / 1,092
CAR Bacillus a	PCR	RADS JPN	09-Jan-2020	0 / 16	0 / 195
<i>C. kutscheri</i> abc	Culture/PCR	RADS JPN	21-Jan-2020	0 / 57	0 / 1,092
<i>H. bilis</i> a	PCR	RADS JPN	21-Jan-2020	0 / 12	0 / 378
<i>H. hepaticus</i> a	PCR	RADS JPN	21-Jan-2020	0 / 12	0 / 378
<i>Helicobacter sp.</i> a	PCR	RADS JPN	21-Jan-2020	0 / 12	0 / 378
<i>M. pulmonis</i> ac	PCR	RADS JPN	21-Jan-2020	0 / 12	0 / 467
<i>P. pneumotropica</i> abc	Culture/PCR	RADS JPN	21-Jan-2020	0 / 57	0 / 1,092
<i>P. aeruginosa</i> abc	Culture/PCR	RADS JPN	21-Jan-2020	0 / 57	0 / 1,092
<i>Salmonella sp.</i> abc	Culture/PCR	RADS JPN	21-Jan-2020	0 / 57	0 / 1,092
<i>Staph. aureus</i> abc	Culture/PCR	RADS JPN	21-Jan-2020	0 / 57	0 / 1,092
<i>S. moniliformis</i> a	PCR	RADS JPN	09-Jan-2020	0 / 16	0 / 257
<i>Strep. pneumoniae</i> abc	Culture/PCR	RADS JPN	21-Jan-2020	0 / 57	0 / 1,092
Beta Strep. sp. a	Culture/PCR	RADS JPN	09-Jan-2020	0 / 16	0 / 524
CPIL (Tyzzer's Disease) ac	Exam/PCR	RADS JPN	21-Jan-2020	0 / 12	0 / 633
<i>Pneumocystis sp.</i> ac	PCR	RADS JPN	21-Jan-2020	0 / 12	0 / 405
<i>C. bovis</i> ac	PCR	RADS JPN	21-Jan-2020	0 / 12	0 / 257
Pathology					
Gross Exam ad	Exam	RADS JPN	09-Jan-2020	0 / 16	0 / 524



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Japan

Charles River Laboratories Yokohama

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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	09-Jan-2020	0 / 16	0 / 524
<i>Helminths ade</i>	Exam	RADS JPN	09-Jan-2020	0 / 16	0 / 524
<i>Enteric Protozoa ad</i>	Exam	RADS JPN	09-Jan-2020	0 / 16	0 / 405
<i>E. cuniculi ad</i>	PCR	RADS JPN	09-Jan-2020	0 / 16	0 / 195

* dashes indicate not tested during specified period

HOUSED STRAINS

Other Strains

- Congenetic
- NOD SCID
- SCID BEIGE

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