

2019年6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6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	03-Jun-2019	0 / 16	0 / 162
PVM ac	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 162
MHV ace	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 164
MVM ac	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 162
MPV ac	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 162
MNV ace	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 164
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 162
REO ac	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 162
EDIM ac	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 162
LCMV ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
ECTRO ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
MAV ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
MCMV ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
K ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
POLY ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
HANT ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
MTLV ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
LDV ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 10
Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 184
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 197
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 184
<i>H. bilis</i> ade	PCR	RADS JPN	31-May-2019	0 / 1	0 / 52
<i>H. hepaticus</i> ade	PCR	RADS JPN	31-May-2019	0 / 1	0 / 52
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	31-May-2019	0 / 1	0 / 52
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 170
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 184
<i>P. aeruginosa</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 184
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 184
<i>Staph. aureus</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 184
<i>S. moniliformis</i> ad	PCR	RADS JPN	13-May-2019	0 / 15	0 / 50
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 184
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 227
<i>Pneumocystis</i> sp. ad	PCR	RADS JPN	13-May-2019	0 / 5	0 / 25
<i>C. bovis</i> ade	PCR	RADS JPN	31-May-2019	0 / 1	0 / 17
Pathology					
Gross Exam df	Exam	RADS JPN	13-May-2019	0 / 15	0 / 195



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	31-May-2019	0 / 1	0 / 184
<i>Helminths</i> ade	Exam/PCR	RADS JPN	31-May-2019	0 / 1	0 / 197
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	31-May-2019	0 / 1	0 / 132
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50

* 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	03-Jun-2019	0 / 16	0 / 162
PVM ac	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 162
MHV ace	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 164
MVM ac	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 162
MPV ac	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 162
MNV ace	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 164
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 162
REO ac	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 162
EDIM ac	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 162
LCMV ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
ECTRO ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
MAV ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
MCMV ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
K ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
POLY ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
HANT ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
MTLV ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
LDV ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 10
Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 184
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 197
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 184
<i>H. bilis</i> ade	PCR	RADS JPN	31-May-2019	0 / 1	0 / 52
<i>H. hepaticus</i> ade	PCR	RADS JPN	31-May-2019	0 / 1	0 / 52
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	31-May-2019	0 / 1	0 / 52
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 170
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 184
<i>P. aeruginosa</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 184
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 184
<i>Staph. aureus</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 184
<i>S. moniliformis</i> ad	PCR	RADS JPN	13-May-2019	0 / 15	0 / 50
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 184
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 227
<i>Pneumocystis</i> sp. ad	PCR	RADS JPN	13-May-2019	0 / 5	0 / 25
<i>C. bovis</i> ade	PCR	RADS JPN	31-May-2019	0 / 1	0 / 17
Pathology					
Gross Exam df	Exam	RADS JPN	13-May-2019	0 / 15	0 / 195



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	31-May-2019	0 / 1	0 / 184
<i>Helminths</i> ade	Exam/PCR	RADS JPN	31-May-2019	0 / 1	0 / 197
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	31-May-2019	0 / 1	0 / 132
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50

* 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	03-Jun-2019	0 / 16	0 / 162
PVM ac	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 162
MHV ace	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 164
MVM ac	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 162
MPV ac	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 162
MNV ace	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 164
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 162
REO ac	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 162
EDIM ac	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 162
LCMV ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
ECTRO ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
MAV ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
MCMV ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
K ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
POLY ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
HANT ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
MTLV ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
LDV ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 10
Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 132
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 157
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 132
<i>H. bilis</i> ade	PCR	RADS JPN	31-May-2019	0 / 1	0 / 52
<i>H. hepaticus</i> ade	PCR	RADS JPN	31-May-2019	0 / 1	0 / 52
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	31-May-2019	0 / 1	0 / 52
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 162
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 132
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	13-May-2019	0 / 10	0 / 130
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 132
<i>S. moniliformis</i> ad	PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 132
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 187
<i>C. bovis</i> bde	PCR	RADS JPN	31-May-2019	0 / 1	0 / 12
Pathology					
Gross Exam df	Exam	RADS JPN	13-May-2019	0 / 15	0 / 155
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	31-May-2019	0 / 1	0 / 132
Helminths ade	Exam/PCR	RADS JPN	31-May-2019	0 / 1	0 / 157



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	31-May-2019	0 / 1	0 / 92
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50

* 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		Summary Item				
			Method	Primary Lab	Test Date	Most Recent Positive / Tested	Past 18 Months Positive / Tested
Atsugi A14 Mice	SPF/VAF						
Virology							
	SEND ac	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 162	
	PVM ac	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 162	
	MHV ace	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 164	
	MVM ac	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 162	
	MPV ac	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 162	
	MNV ace	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 164	
	TMEV (GDVII) ac	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 162	
	REO ac	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 162	
	EDIM ac	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 162	
	LCMV ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50	
	ECTRO ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50	
	MAV ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50	
	MCMV ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50	
	K ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50	
	POLY ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50	
	HANT ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50	
	MTLV ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50	
	LDV ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 10	
Microbiology							
	<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 132	
	<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 157	
	CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50	
	<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 132	
	<i>H. bilis</i> ade	PCR	RADS JPN	31-May-2019	0 / 1	0 / 52	
	<i>H. hepaticus</i> ade	PCR	RADS JPN	31-May-2019	0 / 1	0 / 52	
	<i>Helicobacter</i> sp. ade	PCR	RADS JPN	31-May-2019	0 / 1	0 / 52	
	<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 162	
	<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 132	
	<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	13-May-2019	0 / 10	0 / 130	
	<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 132	
	<i>S. moniliformis</i> ad	PCR	RADS JPN	13-May-2019	0 / 10	0 / 50	
	<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 132	
	CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 187	
	<i>C. bovis</i> bde	PCR	RADS JPN	31-May-2019	0 / 1	0 / 12	
Pathology							
	Gross Exam df	Exam	RADS JPN	13-May-2019	0 / 15	0 / 155	
Parasitology							
	Ectoparasites ade	Exam/PCR	RADS JPN	31-May-2019	0 / 1	0 / 132	
	Helminths ade	Exam/PCR	RADS JPN	31-May-2019	0 / 1	0 / 157	



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	31-May-2019	0 / 1	0 / 92
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50

* 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	03-Jun-2019	0 / 16	0 / 162
PVM ac	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 162
MHV ace	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 164
MVM ac	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 162
MPV ac	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 162
MNV ace	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 164
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 162
REO ac	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 162
EDIM ac	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 162
LCMV ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
ECTRO ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
MAV ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
MCMV ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
K ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
POLY ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
HANT ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
MTLV ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
LDV ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 10
Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 132
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 157
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 132
<i>H. bilis</i> ade	PCR	RADS JPN	31-May-2019	0 / 1	0 / 52
<i>H. hepaticus</i> ade	PCR	RADS JPN	31-May-2019	0 / 1	0 / 52
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	31-May-2019	0 / 1	0 / 52
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 162
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 132
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	13-May-2019	0 / 10	0 / 130
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 132
<i>S. moniliformis</i> ad	PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 132
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 187
<i>C. bovis</i> bde	PCR	RADS JPN	31-May-2019	0 / 1	0 / 12
Pathology					
Gross Exam df	Exam	RADS JPN	13-May-2019	0 / 15	0 / 155
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	31-May-2019	0 / 1	0 / 132
Helminths ade	Exam/PCR	RADS JPN	31-May-2019	0 / 1	0 / 157



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	31-May-2019	0 / 1	0 / 92
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50

* 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	10-Jun-2019	0 / 16	0 / 50
PVM ac	MFIA/PCR	RADS JPN	10-Jun-2019	0 / 16	0 / 50
SDAV ace	MFIA/PCR	RADS JPN	10-Jun-2019	0 / 10	0 / 52
KRV ac	MFIA/PCR	RADS JPN	10-Jun-2019	0 / 16	0 / 50
H-1 ac	MFIA/PCR	RADS JPN	10-Jun-2019	0 / 16	0 / 50
RPV ac	MFIA/PCR	RADS JPN	10-Jun-2019	0 / 16	0 / 50
RMV ac	MFIA/PCR	RADS JPN	10-Jun-2019	0 / 16	0 / 50
REO ac	MFIA/PCR	RADS JPN	10-Jun-2019	0 / 16	0 / 50
RTV ac	MFIA/PCR	RADS JPN	10-Jun-2019	0 / 16	0 / 50
LCMV ad	MFIA/PCR	RADS JPN	08-May-2019	0 / 10	0 / 10
HANT ad	MFIA/PCR	RADS JPN	08-May-2019	0 / 10	0 / 10
MAV ad	MFIA/PCR	RADS JPN	08-May-2019	0 / 10	0 / 10
Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 20
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	08-May-2019	0 / 10	0 / 10
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 20
<i>H. bilis</i> ade	PCR	RADS JPN	31-May-2019	0 / 1	0 / 12
<i>H. hepaticus</i> ade	PCR	RADS JPN	31-May-2019	0 / 1	0 / 12
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	31-May-2019	0 / 1	0 / 12
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	10-Jun-2019	0 / 16	0 / 50
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 20
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	08-May-2019	0 / 10	0 / 18
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 20
<i>S. moniliformis</i> ad	PCR	RADS JPN	08-May-2019	0 / 10	0 / 10
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 20
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	10-Jun-2019	0 / 16	0 / 55
<i>Pneumocystis</i> sp. ac	MFIA/PCR	RADS JPN	10-Jun-2019	0 / 16	0 / 50
<i>C. bovis</i> bde	PCR	RADS JPN	31-May-2019	0 / 1	0 / 12
Pathology					
Gross Exam df	Exam	RADS JPN	08-May-2019	0 / 15	0 / 23
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	31-May-2019	0 / 1	0 / 20
Helminths ade	Exam/PCR	RADS JPN	31-May-2019	0 / 1	0 / 25
Enteric Protozoa ade	Exam/PCR	RADS JPN	31-May-2019	0 / 1	0 / 16
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	08-May-2019	0 / 10	0 / 10

* dashes indicate not tested during specified period



Rat SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location

Health Status

Atsugi A21 Rats

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	10-Jun-2019	0 / 16	0 / 162
PVM ac	MFIA/PCR	RADS JPN	10-Jun-2019	0 / 16	0 / 162
MHV ace	MFIA/PCR	RADS JPN	10-Jun-2019	0 / 16	0 / 164
MVM ac	MFIA/PCR	RADS JPN	10-Jun-2019	0 / 16	0 / 162
MPV ac	MFIA/PCR	RADS JPN	10-Jun-2019	0 / 16	0 / 162
MNV ace	MFIA/PCR	RADS JPN	10-Jun-2019	0 / 16	0 / 164
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	10-Jun-2019	0 / 16	0 / 162
REO ac	MFIA/PCR	RADS JPN	10-Jun-2019	0 / 16	0 / 162
EDIM ac	MFIA/PCR	RADS JPN	10-Jun-2019	0 / 16	0 / 162
LCMV ad	MFIA/PCR	RADS JPN	08-May-2019	0 / 10	0 / 50
ECTRO ad	MFIA/PCR	RADS JPN	08-May-2019	0 / 10	0 / 50
MAV ad	MFIA/PCR	RADS JPN	08-May-2019	0 / 10	0 / 50
MCMV ad	MFIA/PCR	RADS JPN	08-May-2019	0 / 10	0 / 50
K ad	MFIA/PCR	RADS JPN	08-May-2019	0 / 10	0 / 50
POLY ad	MFIA/PCR	RADS JPN	08-May-2019	0 / 10	0 / 50
HANT ad	MFIA/PCR	RADS JPN	08-May-2019	0 / 10	0 / 50
MTLV ad	MFIA/PCR	RADS JPN	08-May-2019	0 / 10	0 / 50
LDV ad	MFIA/PCR	RADS JPN	08-May-2019	0 / 10	0 / 10
Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 132
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 157
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	08-May-2019	0 / 10	0 / 50
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 132
<i>H. bilis</i> ade	PCR	RADS JPN	31-May-2019	0 / 1	0 / 52
<i>H. hepaticus</i> ade	PCR	RADS JPN	31-May-2019	0 / 1	0 / 52
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	31-May-2019	0 / 1	0 / 52
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	10-Jun-2019	0 / 16	0 / 162
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 132
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	08-May-2019	0 / 10	0 / 130
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 132
<i>S. moniliformis</i> ad	PCR	RADS JPN	08-May-2019	0 / 10	0 / 50
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 132
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	10-Jun-2019	0 / 16	0 / 187
<i>C. bovis</i> bde	PCR	RADS JPN	31-May-2019	0 / 1	0 / 12
Pathology					
Gross Exam df	Exam	RADS JPN	08-May-2019	0 / 15	0 / 179
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	31-May-2019	0 / 1	0 / 132
Helminths ade	Exam/PCR	RADS JPN	31-May-2019	0 / 1	0 / 157



charles river
Mouse SPF/VAF Report
Japan

Charles River Laboratories Yokohama

Location
 Atsugi A23 Mice

Health Status
 SPF/VAF

<i>Summary Item</i>	<i>Method</i>	<i>Primary Lab</i>	<i>Most Recent</i>		<i>Past 18 Months</i>
			<i>Test Date</i>	<i>Positive / Tested</i>	<i>Positive / Tested</i>
Parasitology					
<i>Enteric Protozoa ade</i>	Exam/PCR	RADS JPN	31-May-2019	0 / 1	0 / 92
<i>E. cuniculi ad</i>	MFIA/PCR	RADS JPN	08-May-2019	0 / 10	0 / 50

* dashes indicate not tested during specified period

HOUSED STRAINS

Inbred	Hybrid
BALB/C	CDF-1
DBA/2	

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

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



Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location: Atsugi A25 Mice
Health Status: SPF/VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Virology					
SEND ac	MFIA/PCR	RADS JPN	10-Jun-2019	0 / 16	0 / 26
PVM ac	MFIA/PCR	RADS JPN	10-Jun-2019	0 / 16	0 / 26
MHV ace	MFIA/PCR	RADS JPN	10-Jun-2019	0 / 16	0 / 28
MVM ac	MFIA/PCR	RADS JPN	10-Jun-2019	0 / 16	0 / 26
MPV ac	MFIA/PCR	RADS JPN	10-Jun-2019	0 / 16	0 / 26
MNV ace	MFIA/PCR	RADS JPN	10-Jun-2019	0 / 16	0 / 28
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	10-Jun-2019	0 / 16	0 / 26
REO ac	MFIA/PCR	RADS JPN	10-Jun-2019	0 / 16	0 / 26
EDIM ac	MFIA/PCR	RADS JPN	10-Jun-2019	0 / 16	0 / 26
LCMV ad	MFIA/PCR	RADS JPN	08-May-2019	0 / 10	0 / 10
ECTRO ad	MFIA/PCR	RADS JPN	08-May-2019	0 / 10	0 / 10
MAV ad	MFIA/PCR	RADS JPN	08-May-2019	0 / 10	0 / 10
MCMV ad	MFIA/PCR	RADS JPN	08-May-2019	0 / 10	0 / 10
K ad	MFIA/PCR	RADS JPN	08-May-2019	0 / 10	0 / 10
POLY ad	MFIA/PCR	RADS JPN	08-May-2019	0 / 10	0 / 10
HANT ad	MFIA/PCR	RADS JPN	08-May-2019	0 / 10	0 / 10
MTLV ad	MFIA/PCR	RADS JPN	08-May-2019	0 / 10	0 / 10
LDV ad	MFIA/PCR	RADS JPN	08-May-2019	0 / 10	0 / 10
Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 12
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 17
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	08-May-2019	0 / 10	0 / 10
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 12
<i>H. bilis</i> ade	PCR	RADS JPN	31-May-2019	0 / 1	0 / 12
<i>H. hepaticus</i> ade	PCR	RADS JPN	31-May-2019	0 / 1	0 / 12
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	31-May-2019	0 / 1	0 / 12
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	10-Jun-2019	0 / 16	0 / 26
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 12
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	08-May-2019	0 / 10	0 / 10
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 12
<i>S. moniliformis</i> ad	PCR	RADS JPN	08-May-2019	0 / 10	0 / 10
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	31-May-2019	0 / 1	0 / 12
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	10-Jun-2019	0 / 16	0 / 47
<i>C. bovis</i> bde	PCR	RADS JPN	31-May-2019	0 / 1	0 / 12
Pathology					
Gross Exam df	Exam	RADS JPN	08-May-2019	0 / 15	0 / 15
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	31-May-2019	0 / 1	0 / 12
Helminths ade	Exam/PCR	RADS JPN	31-May-2019	0 / 1	0 / 17



charles river
Mouse SPF/VAF Report
Japan

Charles River Laboratories Yokohama

Location
 Atsugi A25 Mice

Health Status
 SPF/VAF

<i>Summary Item</i>	<i>Method</i>	<i>Primary Lab</i>	<i>Most Recent</i>		<i>Past 18 Months</i>
			<i>Test Date</i>	<i>Positive / Tested</i>	<i>Positive / Tested</i>
Parasitology					
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	31-May-2019	0 / 1	0 / 11
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	08-May-2019	0 / 10	0 / 10

* 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	12-Jun-2019	0 / 16	0 / 162
PVM ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 162
SDAV ace	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 163
KRV ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 162
H-1 ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 162
RPV ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 162
RMV ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 162
REO ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 162
RTV ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 162
LCMV ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 50
HANT ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 50
MAV ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 50
Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	21-May-2019	0 / 1	0 / 132
CAR Bacillus ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 50
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	21-May-2019	0 / 1	0 / 132
<i>H. bilis</i> ade	PCR	RADS JPN	21-May-2019	0 / 1	0 / 52
<i>H. hepaticus</i> ade	PCR	RADS JPN	21-May-2019	0 / 1	0 / 52
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	21-May-2019	0 / 1	0 / 52
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 162
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	21-May-2019	0 / 1	0 / 132
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	15-May-2019	0 / 10	0 / 130
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	21-May-2019	0 / 1	0 / 132
<i>S. moniliformis</i> ad	PCR	RADS JPN	15-May-2019	0 / 10	0 / 50
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	21-May-2019	0 / 1	0 / 132
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 187
<i>Pneumocystis sp.</i> ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 162
<i>C. bovis</i> bde	PCR	RADS JPN	21-May-2019	0 / 1	0 / 12
Pathology					
Gross Exam df	Exam	RADS JPN	15-May-2019	0 / 15	0 / 135
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	21-May-2019	0 / 1	0 / 132
Helminths ade	Exam/PCR	RADS JPN	21-May-2019	0 / 1	0 / 157
Enteric Protozoa ade	Exam/PCR	RADS JPN	21-May-2019	0 / 1	0 / 92
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 50

* 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	12-Jun-2019	0 / 16	0 / 170
PVM ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 170
MHV ace	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 172
MVM ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 170
MPV ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 170
MNV ace	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 172
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 170
REO ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 170
EDIM ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 170
LCMV ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 58
ECTRO ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 58
MAV ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 58
MCMV ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 58
K ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 58
POLY ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 58
HANT ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 58
MTLV ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 58
LDV ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 10

Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	21-May-2019	0 / 1	0 / 140
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	21-May-2019	0 / 1	0 / 165
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 58
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	21-May-2019	0 / 1	0 / 140
<i>H. bilis</i> ade	PCR	RADS JPN	21-May-2019	0 / 1	0 / 60
<i>H. hepaticus</i> ade	PCR	RADS JPN	21-May-2019	0 / 1	0 / 60
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	21-May-2019	0 / 1	0 / 60
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 170
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	21-May-2019	0 / 1	0 / 140
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	15-May-2019	0 / 10	0 / 138
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	21-May-2019	0 / 1	0 / 140
<i>S. moniliformis</i> ad	PCR	RADS JPN	15-May-2019	0 / 10	0 / 58
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	21-May-2019	0 / 1	0 / 140
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 195
<i>C. bovis</i> bde	PCR	RADS JPN	21-May-2019	0 / 1	0 / 12

Pathology					
Gross Exam df	Exam	RADS JPN	15-May-2019	0 / 15	0 / 163

Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	21-May-2019	0 / 1	0 / 140
Helminths ade	Exam/PCR	RADS JPN	21-May-2019	0 / 1	0 / 165



charles river
Mouse SPF/VAF Report
Japan

Charles River Laboratories Yokohama

Location
Hino H12 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	21-May-2019	0 / 1	0 / 100
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 58

* 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	12-Jun-2019	0 / 16	0 / 162
PVM ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 162
SDAV ace	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 163
KRV ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 162
H-1 ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 162
RPV ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 162
RMV ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 162
REO ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 162
RTV ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 162
LCMV ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 50
HANT ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 50
MAV ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 50
Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	21-May-2019	0 / 1	0 / 132
CAR Bacillus ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 50
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	21-May-2019	0 / 1	0 / 132
<i>H. bilis</i> ade	PCR	RADS JPN	21-May-2019	0 / 1	0 / 52
<i>H. hepaticus</i> ade	PCR	RADS JPN	21-May-2019	0 / 1	0 / 52
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	21-May-2019	0 / 1	0 / 52
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 162
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	21-May-2019	0 / 1	0 / 132
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	15-May-2019	0 / 10	0 / 130
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	21-May-2019	0 / 1	0 / 132
<i>S. moniliformis</i> ad	PCR	RADS JPN	15-May-2019	0 / 10	0 / 50
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	21-May-2019	0 / 1	0 / 132
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 187
<i>Pneumocystis sp.</i> ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 162
<i>C. bovis</i> bde	PCR	RADS JPN	21-May-2019	0 / 1	0 / 12
Pathology					
Gross Exam df	Exam	RADS JPN	15-May-2019	0 / 15	0 / 130
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	21-May-2019	0 / 1	0 / 132
Helminths ade	Exam/PCR	RADS JPN	21-May-2019	0 / 1	0 / 157
Enteric Protozoa ade	Exam/PCR	RADS JPN	21-May-2019	0 / 1	0 / 92
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 50

* 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

ZUC-FA/FA

ZUC-LEAN

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
Hino H21 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	12-Jun-2019	0 / 16	0 / 162
PVM ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 162
SDAV ace	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 163
KRV ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 162
H-1 ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 162
RPV ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 162
RMV ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 162
REO ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 162
RTV ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 162
LCMV ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 50
HANT ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 50
MAV ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 50
Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	21-May-2019	0 / 1	0 / 132
CAR Bacillus ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 50
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	21-May-2019	0 / 1	0 / 132
<i>H. bilis</i> ade	PCR	RADS JPN	21-May-2019	0 / 1	0 / 52
<i>H. hepaticus</i> ade	PCR	RADS JPN	21-May-2019	0 / 1	0 / 52
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	21-May-2019	0 / 1	0 / 52
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 162
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	21-May-2019	0 / 1	0 / 132
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	15-May-2019	0 / 10	0 / 130
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	21-May-2019	0 / 1	0 / 132
<i>S. moniliformis</i> ad	PCR	RADS JPN	15-May-2019	0 / 10	0 / 50
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	21-May-2019	0 / 1	0 / 132
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 187
<i>Pneumocystis sp.</i> ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 162
<i>C. bovis</i> bde	PCR	RADS JPN	21-May-2019	0 / 1	0 / 12
Pathology					
Gross Exam df	Exam	RADS JPN	15-May-2019	0 / 15	0 / 130
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	21-May-2019	0 / 1	0 / 132
Helminths ade	Exam/PCR	RADS JPN	21-May-2019	0 / 1	0 / 157
Enteric Protozoa ade	Exam/PCR	RADS JPN	21-May-2019	0 / 1	0 / 92
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 50

* 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: Hino H22 Mice
Health Status: SPF/VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Virology					
SEND ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 170
PVM ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 170
MHV ace	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 172
MVM ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 170
MPV ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 170
MNV ace	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 172
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 170
REO ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 170
EDIM ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 170
LCMV ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 58
ECTRO ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 58
MAV ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 58
MCMV ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 58
K ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 58
POLY ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 58
HANT ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 58
MTLV ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 58
LDV ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 10
Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	21-May-2019	0 / 1	0 / 140
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	21-May-2019	0 / 1	0 / 165
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 58
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	21-May-2019	0 / 1	0 / 140
<i>H. bilis</i> ade	PCR	RADS JPN	21-May-2019	0 / 1	0 / 60
<i>H. hepaticus</i> ade	PCR	RADS JPN	21-May-2019	0 / 1	0 / 60
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	21-May-2019	0 / 1	0 / 60
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 170
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	21-May-2019	0 / 1	0 / 140
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	15-May-2019	0 / 10	0 / 138
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	21-May-2019	0 / 1	0 / 140
<i>S. moniliformis</i> ad	PCR	RADS JPN	15-May-2019	0 / 10	0 / 58
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	21-May-2019	0 / 1	0 / 140
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 195
<i>C. bovis</i> bde	PCR	RADS JPN	21-May-2019	0 / 1	0 / 12
Pathology					
Gross Exam df	Exam	RADS JPN	15-May-2019	0 / 15	0 / 211
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	21-May-2019	0 / 1	0 / 140
Helminths ade	Exam/PCR	RADS JPN	21-May-2019	0 / 1	0 / 165



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	21-May-2019	0 / 1	0 / 100
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 58

* 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
Hino H23 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	12-Jun-2019	0 / 16	0 / 162
PVM ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 162
MHV ace	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 164
MVM ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 162
MPV ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 162
MNV ace	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 164
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 162
REO ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 162
EDIM ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 162
LCMV ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 50
ECTRO ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 50
MAV ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 50
MCMV ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 50
K ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 50
POLY ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 50
HANT ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 50
MTLV ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 50
LDV ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 10

Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	21-May-2019	0 / 1	0 / 132
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	21-May-2019	0 / 1	0 / 157
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 50
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	21-May-2019	0 / 1	0 / 132
<i>H. bilis</i> ade	PCR	RADS JPN	21-May-2019	0 / 1	0 / 52
<i>H. hepaticus</i> ade	PCR	RADS JPN	21-May-2019	0 / 1	0 / 52
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	21-May-2019	0 / 1	0 / 52
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 162
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	21-May-2019	0 / 1	0 / 132
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	15-May-2019	0 / 10	0 / 130
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	21-May-2019	0 / 1	0 / 132
<i>S. moniliformis</i> ad	PCR	RADS JPN	15-May-2019	0 / 10	0 / 50
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	21-May-2019	0 / 1	0 / 132
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	12-Jun-2019	0 / 16	0 / 187
<i>C. bovis</i> bde	PCR	RADS JPN	21-May-2019	0 / 1	0 / 12

Pathology					
Gross Exam df	Exam	RADS JPN	15-May-2019	0 / 15	0 / 155

Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	21-May-2019	0 / 1	0 / 132
Helminths ade	Exam/PCR	RADS JPN	21-May-2019	0 / 1	0 / 157



charles river
Mouse SPF/VAF Report
Japan

Charles River Laboratories Yokohama

<i>Location</i>	<i>Health Status</i>
Hino H23 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	21-May-2019	0 / 1	0 / 92
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 50

* 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

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	04-Jun-2019	0 / 11	0 / 429
PVM ac	PCR	RADS JPN	04-Jun-2019	0 / 11	0 / 429
MHV ac	PCR	RADS JPN	04-Jun-2019	0 / 11	0 / 429
MVM ac	PCR	RADS JPN	04-Jun-2019	0 / 11	0 / 429
MPV ac	PCR	RADS JPN	04-Jun-2019	0 / 11	0 / 429
MNV ac	PCR	RADS JPN	04-Jun-2019	0 / 11	0 / 429
TMEV (GDVII) ac	PCR	RADS JPN	04-Jun-2019	0 / 11	0 / 429
REO ac	PCR	RADS JPN	04-Jun-2019	0 / 11	0 / 429
EDIM ac	PCR	RADS JPN	04-Jun-2019	0 / 11	0 / 429
LCMV a	PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 171
ECTRO a	PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 171
MAV a	PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 171
MCMV a	PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 171
K a	PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 171
POLY a	PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 171
HANT a	PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 171
MTLV a	PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 171
LDV ad	PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 48
Microbiology					
<i>B. bronchiseptica</i> abc	Culture/PCR	RADS JPN	04-Jun-2019	0 / 54	0 / 915
<i>C. rodentium</i> abc	Culture/PCR	RADS JPN	04-Jun-2019	0 / 54	0 / 915
CAR <i>Bacillus</i> a	PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 171
<i>C. kutscheri</i> abc	Culture/PCR	RADS JPN	04-Jun-2019	0 / 54	0 / 915
<i>H. bilis</i> a	PCR	RADS JPN	04-Jun-2019	0 / 11	0 / 314
<i>H. hepaticus</i> a	PCR	RADS JPN	04-Jun-2019	0 / 11	0 / 314
<i>Helicobacter sp.</i> a	PCR	RADS JPN	04-Jun-2019	0 / 11	0 / 314
<i>M. pulmonis</i> ac	PCR	RADS JPN	04-Jun-2019	0 / 11	0 / 537
<i>P. pneumotropica</i> abc	Culture/PCR	RADS JPN	04-Jun-2019	0 / 54	0 / 915
<i>P. aeruginosa</i> abc	Culture/PCR	RADS JPN	04-Jun-2019	0 / 54	0 / 915
<i>Salmonella sp.</i> abc	Culture/PCR	RADS JPN	04-Jun-2019	0 / 54	0 / 915
<i>Staph. aureus</i> abc	Culture/PCR	RADS JPN	04-Jun-2019	0 / 54	0 / 915
<i>S. moniliformis</i> a	PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 279
<i>Strep. pneumoniae</i> abc	Culture/PCR	RADS JPN	04-Jun-2019	0 / 54	0 / 915
Beta <i>Strep. sp.</i> a	Culture/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 786
CPIL (<i>Tyzzers Disease</i>) ac	Exam/PCR	RADS JPN	04-Jun-2019	0 / 11	0 / 821
<i>Pneumocystis sp.</i> ac	PCR	RADS JPN	04-Jun-2019	0 / 11	0 / 429
<i>C. bovis</i> ac	PCR	RADS JPN	04-Jun-2019	0 / 11	0 / 67
Pathology					
Gross Exam ad	Exam	RADS JPN	03-Jun-2019	0 / 16	0 / 786



Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

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

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Parasitology					
<i>Ectoparasites</i> ade	Exam	RADS JPN	03-Jun-2019	0 / 16	0 / 786
<i>Helminths</i> ade	Exam	RADS JPN	03-Jun-2019	0 / 16	0 / 786
<i>Enteric Protozoa</i> ad	Exam	RADS JPN	03-Jun-2019	0 / 16	0 / 587
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	03-Jun-2019	0 / 16	0 / 171

* 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: c = screened every month; 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	11-Jun-2019	0 / 9	0 / 256
PVM ac	PCR	RADS JPN	11-Jun-2019	0 / 9	0 / 256
MHV ac	PCR	RADS JPN	11-Jun-2019	0 / 9	0 / 256
MVM ac	PCR	RADS JPN	11-Jun-2019	0 / 9	0 / 256
MPV ac	PCR	RADS JPN	11-Jun-2019	0 / 9	0 / 256
MNV ac	PCR	RADS JPN	11-Jun-2019	0 / 9	0 / 256
TMEV (GDVII) ac	PCR	RADS JPN	11-Jun-2019	0 / 9	0 / 256
REO ac	PCR	RADS JPN	11-Jun-2019	0 / 9	0 / 256
EDIM ac	PCR	RADS JPN	11-Jun-2019	0 / 9	0 / 256
LCMV a	PCR	RADS JPN	10-Jun-2019	0 / 12	0 / 90
ECTRO a	PCR	RADS JPN	10-Jun-2019	0 / 12	0 / 90
MAV a	PCR	RADS JPN	10-Jun-2019	0 / 12	0 / 90
MCMV a	PCR	RADS JPN	10-Jun-2019	0 / 12	0 / 90
K a	PCR	RADS JPN	10-Jun-2019	0 / 12	0 / 90
POLY a	PCR	RADS JPN	10-Jun-2019	0 / 12	0 / 90
HANT a	PCR	RADS JPN	10-Jun-2019	0 / 12	0 / 90
MTLV a	PCR	RADS JPN	10-Jun-2019	0 / 12	0 / 90
LDV ad	PCR	RADS JPN	10-Jun-2019	0 / 12	0 / 36
Microbiology					
<i>B. bronchiseptica</i> abc	Culture/PCR	RADS JPN	11-Jun-2019	0 / 41	0 / 714
<i>C. rodentium</i> abc	Culture/PCR	RADS JPN	11-Jun-2019	0 / 41	0 / 714
CAR <i>Bacillus</i> a	PCR	RADS JPN	10-Jun-2019	0 / 12	0 / 90
<i>C. kutscheri</i> abc	Culture/PCR	RADS JPN	11-Jun-2019	0 / 41	0 / 714
<i>H. bilis</i> a	PCR	RADS JPN	11-Jun-2019	0 / 9	0 / 224
<i>H. hepaticus</i> a	PCR	RADS JPN	11-Jun-2019	0 / 9	0 / 224
<i>Helicobacter</i> sp. a	PCR	RADS JPN	11-Jun-2019	0 / 9	0 / 224
<i>M. pulmonis</i> ac	PCR	RADS JPN	11-Jun-2019	0 / 9	0 / 364
<i>P. pneumotropica</i> abc	Culture/PCR	RADS JPN	11-Jun-2019	0 / 41	0 / 714
<i>P. aeruginosa</i> abc	Culture/PCR	RADS JPN	11-Jun-2019	0 / 41	0 / 714
<i>Salmonella</i> sp. abc	Culture/PCR	RADS JPN	11-Jun-2019	0 / 41	0 / 714
<i>Staph. aureus</i> abc	Culture/PCR	RADS JPN	11-Jun-2019	0 / 41	0 / 714
<i>S. moniliformis</i> a	PCR	RADS JPN	10-Jun-2019	0 / 12	0 / 198
<i>Strep. pneumoniae</i> abc	Culture/PCR	RADS JPN	11-Jun-2019	0 / 41	0 / 714
Beta <i>Strep.</i> sp. a	Culture/PCR	RADS JPN	10-Jun-2019	0 / 12	0 / 618
CPIL (<i>Tyzzers Disease</i>) ac	Exam/PCR	RADS JPN	11-Jun-2019	0 / 9	0 / 644
<i>Pneumocystis</i> sp. ac	PCR	RADS JPN	11-Jun-2019	0 / 9	0 / 256
<i>C. bovis</i> ac	PCR	RADS JPN	11-Jun-2019	0 / 9	0 / 50
Pathology					
Gross Exam ad	Exam	RADS JPN	10-Jun-2019	0 / 12	0 / 618



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</i> ade	Exam	RADS JPN	10-Jun-2019	0 / 12	0 / 618
<i>Helminths</i> ade	Exam	RADS JPN	10-Jun-2019	0 / 12	0 / 618
<i>Enteric Protozoa</i> ad	Exam	RADS JPN	10-Jun-2019	0 / 12	0 / 424
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	10-Jun-2019	0 / 12	0 / 90

* dashes indicate not tested during specified period

HOUSED STRAINS

Other Strains

Congenic

CB17SCID

COLONY POLICY FOR A POSITIVE RESULT: immediate termination

TESTING SCHEDULE: c = screened every month; 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	18-Jun-2019	0 / 12	0 / 319
PVM ac	PCR	RADS JPN	18-Jun-2019	0 / 12	0 / 319
MHV ac	PCR	RADS JPN	18-Jun-2019	0 / 12	0 / 319
MVM ac	PCR	RADS JPN	18-Jun-2019	0 / 12	0 / 319
MPV ac	PCR	RADS JPN	18-Jun-2019	0 / 12	0 / 319
MNV ac	PCR	RADS JPN	18-Jun-2019	0 / 12	0 / 319
TMEV (GDVII) ac	PCR	RADS JPN	18-Jun-2019	0 / 12	0 / 319
REO ac	PCR	RADS JPN	18-Jun-2019	0 / 12	0 / 319
EDIM ac	PCR	RADS JPN	18-Jun-2019	0 / 12	0 / 319
LCMV a	PCR	RADS JPN	12-Jun-2019	0 / 20	0 / 114
ECTRO a	PCR	RADS JPN	12-Jun-2019	0 / 20	0 / 114
MAV a	PCR	RADS JPN	12-Jun-2019	0 / 20	0 / 114
MCMV a	PCR	RADS JPN	12-Jun-2019	0 / 20	0 / 114
K a	PCR	RADS JPN	12-Jun-2019	0 / 20	0 / 114
POLY a	PCR	RADS JPN	12-Jun-2019	0 / 20	0 / 114
HANT a	PCR	RADS JPN	12-Jun-2019	0 / 20	0 / 114
MTLV a	PCR	RADS JPN	12-Jun-2019	0 / 20	0 / 114
LDV ad	PCR	RADS JPN	12-Jun-2019	0 / 20	0 / 52
Microbiology					
<i>B. bronchiseptica</i> abc	Culture/PCR	RADS JPN	18-Jun-2019	0 / 55	0 / 880
<i>C. rodentium</i> abc	Culture/PCR	RADS JPN	18-Jun-2019	0 / 55	0 / 880
CAR <i>Bacillus</i> a	PCR	RADS JPN	12-Jun-2019	0 / 20	0 / 114
<i>C. kutscheri</i> abc	Culture/PCR	RADS JPN	18-Jun-2019	0 / 55	0 / 880
<i>H. bilis</i> a	PCR	RADS JPN	18-Jun-2019	0 / 12	0 / 273
<i>H. hepaticus</i> a	PCR	RADS JPN	18-Jun-2019	0 / 12	0 / 273
<i>Helicobacter sp.</i> a	PCR	RADS JPN	18-Jun-2019	0 / 12	0 / 273
<i>M. pulmonis</i> ac	PCR	RADS JPN	18-Jun-2019	0 / 12	0 / 443
<i>P. pneumotropica</i> abc	Culture/PCR	RADS JPN	18-Jun-2019	0 / 55	0 / 880
<i>P. aeruginosa</i> abc	Culture/PCR	RADS JPN	18-Jun-2019	0 / 55	0 / 880
<i>Salmonella sp.</i> abc	Culture/PCR	RADS JPN	18-Jun-2019	0 / 55	0 / 880
<i>Staph. aureus</i> abc	Culture/PCR	RADS JPN	18-Jun-2019	0 / 55	0 / 880
<i>S. moniliformis</i> a	PCR	RADS JPN	12-Jun-2019	0 / 20	0 / 238
<i>Strep. pneumoniae</i> abc	Culture/PCR	RADS JPN	18-Jun-2019	0 / 55	0 / 880
Beta <i>Strep. sp.</i> a	Culture/PCR	RADS JPN	12-Jun-2019	0 / 20	0 / 748
CPIL (<i>Tyzzers Disease</i>) ac	Exam/PCR	RADS JPN	18-Jun-2019	0 / 12	0 / 783
<i>Pneumocystis sp.</i> ac	PCR	RADS JPN	18-Jun-2019	0 / 12	0 / 319
<i>C. bovis</i> ac	PCR	RADS JPN	18-Jun-2019	0 / 12	0 / 71
Pathology					
Gross Exam ad	Exam	RADS JPN	12-Jun-2019	0 / 20	0 / 748



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	12-Jun-2019	0 / 20	0 / 748
<i>Helminths</i> ade	Exam	RADS JPN	12-Jun-2019	0 / 20	0 / 748
<i>Enteric Protozoa</i> ad	Exam	RADS JPN	12-Jun-2019	0 / 20	0 / 517
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	12-Jun-2019	0 / 20	0 / 114

* dashes indicate not tested during specified period

HOUSED STRAINS

Other Strains

- Congenetic
- NOD SCID
- SCID BEIGE

COLONY POLICY FOR A POSITIVE RESULT: immediate termination

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