

2019年7月26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7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		Summary Item				
			Method	Primary Lab	Test Date	Most Recent Positive / Tested	Past 18 Months Positive / Tested
Atsugi A11 Mice	SPF/VAF						
Virology							
SEND ac	MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 170		
PVM ac	MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 170		
MHV ace	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 173		
MVM ac	MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 170		
MPV ac	MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 170		
MNV ace	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 173		
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 170		
REO ac	MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 170		
EDIM ac	MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 170		
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							
B. bronchiseptica ade	Culture/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 173		
C. rodentium ade	Culture/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 186		
CAR Bacillus ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50		
C. kutscheri ade	Culture/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 173		
H. bilis ade	PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 53		
H. hepaticus ade	PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 53		
Helicobacter sp. ade	PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 53		
M. pulmonis ac	MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 178		
P. pneumotropica ade	Culture/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 173		
P. aeruginosa ade	Culture/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 173		
Salmonella sp. ade	Culture/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 173		
Staph. aureus ade	Culture/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 173		
S. moniliformis ad	PCR	RADS JPN	13-May-2019	0 / 15	0 / 50		
Strep. pneumoniae ade	Culture/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 173		
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 231		
Pneumocystis sp. ad	PCR	RADS JPN	13-May-2019	0 / 5	0 / 25		
C. bovis ade	PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 18		
Pathology							
Gross Exam df	Exam	RADS JPN	13-May-2019	0 / 15	0 / 183		



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	03-Jul-2019	0 / 1	0 / 173
<i>Helminths</i> ade	Exam/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 186
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 125
<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

Summary Item	Method	Primary Lab	Health Status		
			SPF/VAF		
			Most Recent	Past 18 Months	
			Test Date	Positive / Tested	Positive / Tested
Virology					
SEND ac	MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 170
PVM ac	MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 170
MHV ace	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 173
MVM ac	MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 170
MPV ac	MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 170
MNV ace	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 173
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 170
REO ac	MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 170
EDIM ac	MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 170
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					
B. bronchiseptica ade	Culture/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 173
C. rodentium ade	Culture/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 186
CAR Bacillus ad	MFIA/PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
C. kutscheri ade	Culture/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 173
H. bilis ade	PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 53
H. hepaticus ade	PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 53
Helicobacter sp. ade	PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 53
M. pulmonis ac	MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 178
P. pneumotropica ade	Culture/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 173
P. aeruginosa ade	Culture/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 173
Salmonella sp. ade	Culture/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 173
Staph. aureus ade	Culture/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 173
S. moniliformis ad	PCR	RADS JPN	13-May-2019	0 / 15	0 / 50
Strep. pneumoniae ade	Culture/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 173
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 231
Pneumocystis sp. ad	PCR	RADS JPN	13-May-2019	0 / 5	0 / 25
C. bovis ade	PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 18
Pathology					
Gross Exam df	Exam	RADS JPN	13-May-2019	0 / 15	0 / 183



Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

<i>Location</i>	<i>Health Status</i>
Atsugi A12 Mice	SPF/VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Parasitology					
<i>Ectoparasites ade</i>	Exam/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 173
<i>Helminths ade</i>	Exam/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 186
<i>Enteric Protozoa ade</i>	Exam/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 125
<i>E. cuniculi ad</i>	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	01-Jul-2019	0 / 16	0 / 170
PVM ac	MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 170
MHV ace	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 173
MVM ac	MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 170
MPV ac	MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 170
MNV ace	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 173
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 170
REO ac	MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 170
EDIM ac	MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 170
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	03-Jul-2019	0 / 1	0 / 125
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 150
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	03-Jul-2019	0 / 1	0 / 125
<i>H. bilis</i> ade	PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 53
<i>H. hepaticus</i> ade	PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 53
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 53
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 170
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 125
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	13-May-2019	0 / 10	0 / 122
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 125
<i>S. moniliformis</i> ad	PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 125
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 195
<i>C. bovis</i> bde	PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 13
Pathology					
Gross Exam df	Exam	RADS JPN	13-May-2019	0 / 15	0 / 147
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 125
Helminths ade	Exam/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 150



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	03-Jul-2019	0 / 1	0 / 89
<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*
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	01-Jul-2019	0 / 16	0 / 170
PVM ac	MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 170
MHV ace	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 173
MVM ac	MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 170
MPV ac	MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 170
MNV ace	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 173
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 170
REO ac	MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 170
EDIM ac	MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 170
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	03-Jul-2019	0 / 1	0 / 125
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 150
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	03-Jul-2019	0 / 1	0 / 125
<i>H. bilis</i> ade	PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 53
<i>H. hepaticus</i> ade	PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 53
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 53
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 170
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 125
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	13-May-2019	0 / 10	0 / 122
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 125
<i>S. moniliformis</i> ad	PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 125
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 195
<i>C. bovis</i> bde	PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 13
Pathology					
Gross Exam df	Exam	RADS JPN	13-May-2019	0 / 15	0 / 147
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 125
Helminths ade	Exam/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 150



charles river
Mouse SPF/VAF Report
Japan

Charles River Laboratories Yokohama

Location
 Atsugi A14 Mice

Health Status
 SPF/VAF

<i>Summary Item</i>	<i>Method</i>	<i>Primary Lab</i>	<i>Most Recent</i>		<i>Past 18 Months</i>
			<i>Test Date</i>	<i>Positive / Tested</i>	<i>Positive / Tested</i>
Parasitology					
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 89
<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	01-Jul-2019	0 / 16	0 / 170
PVM ac	MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 170
MHV ace	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 173
MVM ac	MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 170
MPV ac	MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 170
MNV ace	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 173
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 170
REO ac	MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 170
EDIM ac	MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 170
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	03-Jul-2019	0 / 1	0 / 125
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 150
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	03-Jul-2019	0 / 1	0 / 125
<i>H. bilis</i> ade	PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 53
<i>H. hepaticus</i> ade	PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 53
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 53
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 170
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 125
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	13-May-2019	0 / 10	0 / 122
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 125
<i>S. moniliformis</i> ad	PCR	RADS JPN	13-May-2019	0 / 10	0 / 50
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 125
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 195
<i>C. bovis</i> bde	PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 13
Pathology					
Gross Exam df	Exam	RADS JPN	13-May-2019	0 / 15	0 / 147
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 125
Helminths ade	Exam/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 150



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	03-Jul-2019	0 / 1	0 / 89
<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	08-Jul-2019	0 / 16	0 / 66
PVM ac	MFIA/PCR	RADS JPN	08-Jul-2019	0 / 16	0 / 66
SDAV ace	MFIA/PCR	RADS JPN	08-Jul-2019	0 / 16	0 / 69
KRV ac	MFIA/PCR	RADS JPN	08-Jul-2019	0 / 16	0 / 66
H-1 ac	MFIA/PCR	RADS JPN	08-Jul-2019	0 / 16	0 / 66
RPV ac	MFIA/PCR	RADS JPN	08-Jul-2019	0 / 16	0 / 66
RMV ac	MFIA/PCR	RADS JPN	08-Jul-2019	0 / 16	0 / 66
REO ac	MFIA/PCR	RADS JPN	08-Jul-2019	0 / 16	0 / 66
RTV ac	MFIA/PCR	RADS JPN	08-Jul-2019	0 / 16	0 / 66
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	03-Jul-2019	0 / 1	0 / 21
CAR Bacillus ad	MFIA/PCR	RADS JPN	08-May-2019	0 / 10	0 / 10
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 21
<i>H. bilis</i> ade	PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 13
<i>H. hepaticus</i> ade	PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 13
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 13
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	08-Jul-2019	0 / 16	0 / 66
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 21
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	08-May-2019	0 / 10	0 / 18
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 21
<i>S. moniliformis</i> ad	PCR	RADS JPN	08-May-2019	0 / 10	0 / 10
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 21
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	08-Jul-2019	0 / 16	0 / 71
<i>Pneumocystis sp.</i> ac	MFIA/PCR	RADS JPN	08-Jul-2019	0 / 16	0 / 66
<i>C. bovis</i> bde	PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 13
Pathology					
Gross Exam df	Exam	RADS JPN	08-May-2019	0 / 15	0 / 23
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 21
Helminths ade	Exam/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 26
Enteric Protozoa ade	Exam/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 17
<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

Atsugi A21 Rats

Health Status

SPF/VAF

HOUSED STRAINS

Outbred

CD

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

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

Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location		Health Status			
Atsugi A23 Mice		SPF/VAF			
Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Virology					
SEND ac	MFIA/PCR	RADS JPN	08-Jul-2019	0 / 16	0 / 170
PVM ac	MFIA/PCR	RADS JPN	08-Jul-2019	0 / 16	0 / 170
MHV ace	MFIA/PCR	RADS JPN	08-Jul-2019	0 / 16	0 / 173
MVM ac	MFIA/PCR	RADS JPN	08-Jul-2019	0 / 16	0 / 170
MPV ac	MFIA/PCR	RADS JPN	08-Jul-2019	0 / 16	0 / 170
MNV ace	MFIA/PCR	RADS JPN	08-Jul-2019	0 / 16	0 / 173
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	08-Jul-2019	0 / 16	0 / 170
REO ac	MFIA/PCR	RADS JPN	08-Jul-2019	0 / 16	0 / 170
EDIM ac	MFIA/PCR	RADS JPN	08-Jul-2019	0 / 16	0 / 170
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	03-Jul-2019	0 / 1	0 / 125
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 150
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	03-Jul-2019	0 / 1	0 / 125
<i>H. bilis</i> ade	PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 53
<i>H. hepaticus</i> ade	PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 53
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 53
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	08-Jul-2019	0 / 16	0 / 170
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 125
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	08-May-2019	0 / 10	0 / 122
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 125
<i>S. moniliformis</i> ad	PCR	RADS JPN	08-May-2019	0 / 10	0 / 50
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 125
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	08-Jul-2019	0 / 16	0 / 195
<i>C. bovis</i> bde	PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 13
Pathology					
Gross Exam df	Exam	RADS JPN	08-May-2019	0 / 15	0 / 167
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 125
Helminths ade	Exam/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 150



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	03-Jul-2019	0 / 1	0 / 89
<i>E. cuniculi</i> ad	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 *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	08-Jul-2019	0 / 16	0 / 42
PVM ac	MFIA/PCR	RADS JPN	08-Jul-2019	0 / 16	0 / 42
MHV ace	MFIA/PCR	RADS JPN	08-Jul-2019	0 / 16	0 / 45
MVM ac	MFIA/PCR	RADS JPN	08-Jul-2019	0 / 16	0 / 42
MPV ac	MFIA/PCR	RADS JPN	08-Jul-2019	0 / 16	0 / 42
MNV ace	MFIA/PCR	RADS JPN	08-Jul-2019	0 / 16	0 / 45
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	08-Jul-2019	0 / 16	0 / 42
REO ac	MFIA/PCR	RADS JPN	08-Jul-2019	0 / 16	0 / 42
EDIM ac	MFIA/PCR	RADS JPN	08-Jul-2019	0 / 16	0 / 42
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	03-Jul-2019	0 / 1	0 / 13
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 18
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	03-Jul-2019	0 / 1	0 / 13
<i>H. bilis</i> ade	PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 13
<i>H. hepaticus</i> ade	PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 13
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 13
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	08-Jul-2019	0 / 16	0 / 42
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 13
<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	03-Jul-2019	0 / 1	0 / 13
<i>S. moniliformis</i> ad	PCR	RADS JPN	08-May-2019	0 / 10	0 / 10
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 13
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	08-Jul-2019	0 / 16	0 / 47
<i>C. bovis</i> bde	PCR	RADS JPN	03-Jul-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	03-Jul-2019	0 / 1	0 / 13
Helminths ade	Exam/PCR	RADS JPN	03-Jul-2019	0 / 1	0 / 18



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	03-Jul-2019	0 / 1	0 / 13
<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	03-Jul-2019	0 / 16	0 / 170
PVM ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
SDAV ace	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 173
KRV ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
H-1 ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
RPV ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
RMV ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
REO ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
RTV ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
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	28-Jun-2019	0 / 1	0 / 125
CAR Bacillus ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 50
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 125
<i>H. bilis</i> ade	PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 53
<i>H. hepaticus</i> ade	PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 53
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 53
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 125
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	15-May-2019	0 / 10	0 / 122
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 125
<i>S. moniliformis</i> ad	PCR	RADS JPN	15-May-2019	0 / 10	0 / 50
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 125
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 195
<i>Pneumocystis sp.</i> ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
<i>C. bovis</i> bde	PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 13
Pathology					
Gross Exam df	Exam	RADS JPN	15-May-2019	0 / 15	0 / 115
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 125
Helminths ade	Exam/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 150
Enteric Protozoa ade	Exam/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 89
<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: Hino H12 Mice
Health Status: SPF/VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Virology					
SEND ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
PVM ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
MHV ace	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 173
MVM ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
MPV ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
MNV ace	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 173
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
REO ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
EDIM ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
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	28-Jun-2019	0 / 1	0 / 125
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 150
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	28-Jun-2019	0 / 1	0 / 125
<i>H. bilis</i> ade	PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 53
<i>H. hepaticus</i> ade	PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 53
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 53
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 125
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	15-May-2019	0 / 10	0 / 122
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 125
<i>S. moniliformis</i> ad	PCR	RADS JPN	15-May-2019	0 / 10	0 / 50
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 125
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 195
<i>C. bovis</i> bde	PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 13
Pathology					
Gross Exam df	Exam	RADS JPN	15-May-2019	0 / 15	0 / 147
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 125
Helminths ade	Exam/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 150



charles river
Mouse SPF/VAF Report
Japan

Charles River Laboratories Yokohama

<i>Location</i>	<i>Health Status</i>
Hino H12 Mice	SPF/VAF

<i>Summary Item</i>	<i>Method</i>	<i>Primary Lab</i>	<i>Most Recent</i>		<i>Past 18 Months</i>
			<i>Test Date</i>	<i>Positive / Tested</i>	<i>Positive / Tested</i>
Parasitology					
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 89
<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
 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	03-Jul-2019	0 / 16	0 / 170
PVM ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
SDAV ace	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 173
KRV ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
H-1 ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
RPV ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
RMV ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
REO ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
RTV ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
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	28-Jun-2019	0 / 1	0 / 125
CAR Bacillus ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 50
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 125
<i>H. bilis</i> ade	PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 53
<i>H. hepaticus</i> ade	PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 53
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 53
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 125
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	15-May-2019	0 / 10	0 / 122
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 125
<i>S. moniliformis</i> ad	PCR	RADS JPN	15-May-2019	0 / 10	0 / 50
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 125
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 195
<i>Pneumocystis sp.</i> ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
<i>C. bovis</i> bde	PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 13
Pathology					
Gross Exam df	Exam	RADS JPN	15-May-2019	0 / 15	0 / 115
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 125
Helminths ade	Exam/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 150
Enteric Protozoa ade	Exam/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 89
<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	03-Jul-2019	0 / 16	0 / 170
PVM ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
SDAV ace	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 173
KRV ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
H-1 ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
RPV ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
RMV ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
REO ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
RTV ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
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	28-Jun-2019	0 / 1	0 / 125
CAR Bacillus ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 50
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 125
<i>H. bilis</i> ade	PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 53
<i>H. hepaticus</i> ade	PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 53
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 53
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 125
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	15-May-2019	0 / 10	0 / 122
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 125
<i>S. moniliformis</i> ad	PCR	RADS JPN	15-May-2019	0 / 10	0 / 50
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 125
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 195
<i>Pneumocystis sp.</i> ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
<i>C. bovis</i> bde	PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 13
Pathology					
Gross Exam df	Exam	RADS JPN	15-May-2019	0 / 15	0 / 115
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 125
Helminths ade	Exam/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 150
Enteric Protozoa ade	Exam/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 89
<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	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	03-Jul-2019	0 / 16	0 / 178
PVM ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 178
MHV ace	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 181
MVM ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 178
MPV ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 178
MNV ace	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 181
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 178
REO ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 178
EDIM ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 178
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	28-Jun-2019	0 / 1	0 / 133
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 158
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	28-Jun-2019	0 / 1	0 / 133
<i>H. bilis</i> ade	PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 61
<i>H. hepaticus</i> ade	PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 61
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 61
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 178
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 133
<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	28-Jun-2019	0 / 1	0 / 133
<i>S. moniliformis</i> ad	PCR	RADS JPN	15-May-2019	0 / 10	0 / 58
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 133
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 203
<i>C. bovis</i> bde	PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 13

Pathology					
Gross Exam df	Exam	RADS JPN	15-May-2019	0 / 15	0 / 195

Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 133
Helminths ade	Exam/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 158



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	28-Jun-2019	0 / 1	0 / 97
<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	03-Jul-2019	0 / 16	0 / 170
PVM ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
MHV ace	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 173
MVM ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
MPV ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
MNV ace	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 173
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
REO ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
EDIM ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
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	28-Jun-2019	0 / 1	0 / 125
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 150
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	28-Jun-2019	0 / 1	0 / 125
<i>H. bilis</i> ade	PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 53
<i>H. hepaticus</i> ade	PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 53
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 53
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 170
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 125
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	15-May-2019	0 / 10	0 / 122
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 125
<i>S. moniliformis</i> ad	PCR	RADS JPN	15-May-2019	0 / 10	0 / 50
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 125
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 195
<i>C. bovis</i> bde	PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 13
Pathology					
Gross Exam df	Exam	RADS JPN	15-May-2019	0 / 15	0 / 147
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 125
Helminths ade	Exam/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 150



charles river
Mouse SPF/VAF Report
Japan

Charles River Laboratories Yokohama

Location
Hino H23 Mice

Health Status
SPF/VAF

<i>Summary Item</i>	<i>Method</i>	<i>Primary Lab</i>	<i>Most Recent</i>		<i>Past 18 Months</i>
			<i>Test Date</i>	<i>Positive / Tested</i>	<i>Positive / Tested</i>
Parasitology					
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	28-Jun-2019	0 / 1	0 / 89
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	15-May-2019	0 / 10	0 / 50

* dashes indicate not tested during specified period

Inbred
BALB/C
DBA/1

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	02-Jul-2019	0 / 12	0 / 435
PVM ac	PCR	RADS JPN	02-Jul-2019	0 / 12	0 / 435
MHV ac	PCR	RADS JPN	02-Jul-2019	0 / 12	0 / 435
MVM ac	PCR	RADS JPN	02-Jul-2019	0 / 12	0 / 435
MPV ac	PCR	RADS JPN	02-Jul-2019	0 / 12	0 / 435
MNV ac	PCR	RADS JPN	02-Jul-2019	0 / 12	0 / 435
TMEV (GDVII) ac	PCR	RADS JPN	02-Jul-2019	0 / 12	0 / 435
REO ac	PCR	RADS JPN	02-Jul-2019	0 / 12	0 / 435
EDIM ac	PCR	RADS JPN	02-Jul-2019	0 / 12	0 / 435
LCMV a	PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 184
ECTRO a	PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 184
MAV a	PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 184
MCMV a	PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 184
K a	PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 184
POLY a	PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 184
HANT a	PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 184
MTLV a	PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 184
LDV ad	PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 64
Microbiology					
<i>B. bronchiseptica</i> abc	Culture/PCR	RADS JPN	02-Jul-2019	0 / 55	0 / 979
<i>C. rodentium</i> abc	Culture/PCR	RADS JPN	02-Jul-2019	0 / 55	0 / 979
CAR <i>Bacillus</i> a	PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 184
<i>C. kutscheri</i> abc	Culture/PCR	RADS JPN	02-Jul-2019	0 / 55	0 / 979
<i>H. bilis</i> a	PCR	RADS JPN	02-Jul-2019	0 / 12	0 / 339
<i>H. hepaticus</i> a	PCR	RADS JPN	02-Jul-2019	0 / 12	0 / 339
<i>Helicobacter</i> sp. a	PCR	RADS JPN	02-Jul-2019	0 / 12	0 / 339
<i>M. pulmonis</i> ac	PCR	RADS JPN	02-Jul-2019	0 / 12	0 / 543
<i>P. pneumotropica</i> abc	Culture/PCR	RADS JPN	02-Jul-2019	0 / 55	0 / 979
<i>P. aeruginosa</i> abc	Culture/PCR	RADS JPN	02-Jul-2019	0 / 55	0 / 979
<i>Salmonella</i> sp. abc	Culture/PCR	RADS JPN	02-Jul-2019	0 / 55	0 / 979
<i>Staph. aureus</i> abc	Culture/PCR	RADS JPN	02-Jul-2019	0 / 55	0 / 979
<i>S. moniliformis</i> a	PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 292
<i>Strep. pneumoniae</i> abc	Culture/PCR	RADS JPN	02-Jul-2019	0 / 55	0 / 979
Beta <i>Strep.</i> sp. a	Culture/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 760
CPIL (<i>Tyzzers Disease</i>) ac	Exam/PCR	RADS JPN	02-Jul-2019	0 / 12	0 / 807
<i>Pneumocystis</i> sp. ac	PCR	RADS JPN	02-Jul-2019	0 / 12	0 / 435
<i>C. bovis</i> ac	PCR	RADS JPN	02-Jul-2019	0 / 12	0 / 111
Pathology					
Gross Exam ad	Exam	RADS JPN	01-Jul-2019	0 / 16	0 / 760



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	01-Jul-2019	0 / 16	0 / 760
<i>Helminths</i> ade	Exam	RADS JPN	01-Jul-2019	0 / 16	0 / 760
<i>Enteric Protozoa</i> ad	Exam	RADS JPN	01-Jul-2019	0 / 16	0 / 571
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	01-Jul-2019	0 / 16	0 / 184

* dashes indicate not tested during specified period

HOUSED STRAINS

Outbred

SHO

Other Strains

Congenic

NSG

COLONY POLICY FOR A POSITIVE RESULT: immediate termination

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

Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location *Health Status*
Tsukuba T22 Mice SPF/VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Virology					
SEND ac	PCR	RADS JPN	09-Jul-2019	0 / 8	0 / 258
PVM ac	PCR	RADS JPN	09-Jul-2019	0 / 8	0 / 258
MHV ac	PCR	RADS JPN	09-Jul-2019	0 / 8	0 / 258
MVM ac	PCR	RADS JPN	09-Jul-2019	0 / 8	0 / 258
MPV ac	PCR	RADS JPN	09-Jul-2019	0 / 8	0 / 258
MNV ac	PCR	RADS JPN	09-Jul-2019	0 / 8	0 / 258
TMEV (GDVII) ac	PCR	RADS JPN	09-Jul-2019	0 / 8	0 / 258
REO ac	PCR	RADS JPN	09-Jul-2019	0 / 8	0 / 258
EDIM ac	PCR	RADS JPN	09-Jul-2019	0 / 8	0 / 258
LCMV a	PCR	RADS JPN	02-Jul-2019	0 / 12	0 / 98
ECTRO a	PCR	RADS JPN	02-Jul-2019	0 / 12	0 / 98
MAV a	PCR	RADS JPN	02-Jul-2019	0 / 12	0 / 98
MCMV a	PCR	RADS JPN	02-Jul-2019	0 / 12	0 / 98
K a	PCR	RADS JPN	02-Jul-2019	0 / 12	0 / 98
POLY a	PCR	RADS JPN	02-Jul-2019	0 / 12	0 / 98
HANT a	PCR	RADS JPN	02-Jul-2019	0 / 12	0 / 98
MTLV a	PCR	RADS JPN	02-Jul-2019	0 / 12	0 / 98
LDV ad	PCR	RADS JPN	02-Jul-2019	0 / 12	0 / 48
Microbiology					
<i>B. bronchiseptica</i> abc	Culture/PCR	RADS JPN	09-Jul-2019	0 / 40	0 / 746
<i>C. rodentium</i> abc	Culture/PCR	RADS JPN	09-Jul-2019	0 / 40	0 / 746
CAR Bacillus a	PCR	RADS JPN	02-Jul-2019	0 / 12	0 / 98
<i>C. kutscheri</i> abc	Culture/PCR	RADS JPN	09-Jul-2019	0 / 40	0 / 746
<i>H. bilis</i> a	PCR	RADS JPN	09-Jul-2019	0 / 8	0 / 240
<i>H. hepaticus</i> a	PCR	RADS JPN	09-Jul-2019	0 / 8	0 / 240
<i>Helicobacter sp.</i> a	PCR	RADS JPN	09-Jul-2019	0 / 8	0 / 240
<i>M. pulmonis</i> ac	PCR	RADS JPN	09-Jul-2019	0 / 8	0 / 366
<i>P. pneumotropica</i> abc	Culture/PCR	RADS JPN	09-Jul-2019	0 / 40	0 / 746
<i>P. aeruginosa</i> abc	Culture/PCR	RADS JPN	09-Jul-2019	0 / 40	0 / 746
<i>Salmonella sp.</i> abc	Culture/PCR	RADS JPN	09-Jul-2019	0 / 40	0 / 746
<i>Staph. aureus</i> abc	Culture/PCR	RADS JPN	09-Jul-2019	0 / 40	0 / 746
<i>S. moniliformis</i> a	PCR	RADS JPN	02-Jul-2019	0 / 12	0 / 206
<i>Strep. pneumoniae</i> abc	Culture/PCR	RADS JPN	09-Jul-2019	0 / 40	0 / 746
Beta Strep. sp. a	Culture/PCR	RADS JPN	02-Jul-2019	0 / 12	0 / 584
CPIL (Tyzzer's Disease) ac	Exam/PCR	RADS JPN	09-Jul-2019	0 / 8	0 / 618
<i>Pneumocystis sp.</i> ac	PCR	RADS JPN	09-Jul-2019	0 / 8	0 / 258
<i>C. bovis</i> ac	PCR	RADS JPN	09-Jul-2019	0 / 8	0 / 82
Pathology					
Gross Exam ad	Exam	RADS JPN	02-Jul-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	02-Jul-2019	0 / 12	0 / 584
<i>Helminths</i> ade	Exam	RADS JPN	02-Jul-2019	0 / 12	0 / 584
<i>Enteric Protozoa</i> ad	Exam	RADS JPN	02-Jul-2019	0 / 12	0 / 404
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	02-Jul-2019	0 / 12	0 / 98

* 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	16-Jul-2019	0 / 12	0 / 330
PVM ac	PCR	RADS JPN	16-Jul-2019	0 / 12	0 / 330
MHV ac	PCR	RADS JPN	16-Jul-2019	0 / 12	0 / 330
MVM ac	PCR	RADS JPN	16-Jul-2019	0 / 12	0 / 330
MPV ac	PCR	RADS JPN	16-Jul-2019	0 / 12	0 / 330
MNV ac	PCR	RADS JPN	16-Jul-2019	0 / 12	0 / 330
TMEV (GDVII) ac	PCR	RADS JPN	16-Jul-2019	0 / 12	0 / 330
REO ac	PCR	RADS JPN	16-Jul-2019	0 / 12	0 / 330
EDIM ac	PCR	RADS JPN	16-Jul-2019	0 / 12	0 / 330
LCMV a	PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 130
ECTRO a	PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 130
MAV a	PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 130
MCMV a	PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 130
K a	PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 130
POLY a	PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 130
HANT a	PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 130
MTLV a	PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 130
LDV ad	PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 68
Microbiology					
<i>B. bronchiseptica</i> abc	Culture/PCR	RADS JPN	16-Jul-2019	0 / 57	0 / 937
<i>C. rodentium</i> abc	Culture/PCR	RADS JPN	16-Jul-2019	0 / 57	0 / 937
CAR Bacillus a	PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 130
<i>C. kutscheri</i> abc	Culture/PCR	RADS JPN	16-Jul-2019	0 / 57	0 / 937
<i>H. bilis</i> a	PCR	RADS JPN	16-Jul-2019	0 / 12	0 / 301
<i>H. hepaticus</i> a	PCR	RADS JPN	16-Jul-2019	0 / 12	0 / 301
<i>Helicobacter sp.</i> a	PCR	RADS JPN	16-Jul-2019	0 / 12	0 / 301
<i>M. pulmonis</i> ac	PCR	RADS JPN	16-Jul-2019	0 / 12	0 / 454
<i>P. pneumotropica</i> abc	Culture/PCR	RADS JPN	16-Jul-2019	0 / 57	0 / 937
<i>P. aeruginosa</i> abc	Culture/PCR	RADS JPN	16-Jul-2019	0 / 57	0 / 937
<i>Salmonella sp.</i> abc	Culture/PCR	RADS JPN	16-Jul-2019	0 / 57	0 / 937
<i>Staph. aureus</i> abc	Culture/PCR	RADS JPN	16-Jul-2019	0 / 57	0 / 937
<i>S. moniliformis</i> a	PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 254
<i>Strep. pneumoniae</i> abc	Culture/PCR	RADS JPN	16-Jul-2019	0 / 57	0 / 937
Beta Strep. sp. a	Culture/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 713
CPIL (Tyzzer's Disease) ac	Exam/PCR	RADS JPN	16-Jul-2019	0 / 12	0 / 760
<i>Pneumocystis sp.</i> ac	PCR	RADS JPN	16-Jul-2019	0 / 12	0 / 330
<i>C. bovis</i> ac	PCR	RADS JPN	16-Jul-2019	0 / 12	0 / 115
Pathology					
Gross Exam ad	Exam	RADS JPN	03-Jul-2019	0 / 16	0 / 713



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	03-Jul-2019	0 / 16	0 / 713
<i>Helminths</i> ade	Exam	RADS JPN	03-Jul-2019	0 / 16	0 / 713
<i>Enteric Protozoa</i> ad	Exam	RADS JPN	03-Jul-2019	0 / 16	0 / 499
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	03-Jul-2019	0 / 16	0 / 130

* dashes indicate not tested during specified period

HOUSED STRAINS

Other Strains

Congenetic
 NOD SCID
 SCID BEIGE

COLONY POLICY FOR A POSITIVE RESULT: immediate termination

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