

2019年4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4月度)

試験責任者：モニタリングセンター長 丸山滋





Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location: Atsugi A11 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	01-Apr-2019	0 / 16	0 / 144
PVM ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
MHV ace	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
MVM ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
MPV ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
MNV ace	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
REO ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
EDIM ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
LCMV ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
ECTRO ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
MAV ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
MCMV ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
K ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
POLY ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
HANT ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
MTLV ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
LDV ad	MFIA/PCR	RADS JPN	--	--	--
Microbiology					
B. bronchiseptica ade	Culture/PCR	RADS JPN	04-Mar-2019	0 / 12	0 / 184
C. rodentium ade	Culture/PCR	RADS JPN	04-Mar-2019	0 / 12	0 / 192
CAR Bacillus ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
C. kutscheri ade	Culture/PCR	RADS JPN	04-Mar-2019	0 / 12	0 / 184
H. bilis ade	PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
H. hepaticus ade	PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
Helicobacter sp. ade	PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
M. pulmonis ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 152
P. pneumotropica ade	Culture/PCR	RADS JPN	04-Mar-2019	0 / 12	0 / 184
P. aeruginosa ade	Culture/PCR	RADS JPN	04-Mar-2019	0 / 12	0 / 184
Salmonella sp. ade	Culture/PCR	RADS JPN	04-Mar-2019	0 / 12	0 / 184
Staph. aureus ade	Culture/PCR	RADS JPN	04-Mar-2019	0 / 12	0 / 184
S. moniliformis ad	PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
Strep. pneumoniae ade	Culture/PCR	RADS JPN	04-Mar-2019	0 / 12	0 / 184
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 208
Pneumocystis sp. ad	PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
C. bovis ade	PCR	RADS JPN	--	--	--
Pathology					
Gross Exam df	Exam	RADS JPN	04-Mar-2019	0 / 12	0 / 192



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	04-Mar-2019	0 / 12	0 / 184
<i>Helminths</i> ade	Exam/PCR	RADS JPN	04-Mar-2019	0 / 12	0 / 192
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	04-Mar-2019	0 / 8	0 / 128
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40

* dashes indicate not tested during specified period

Hybrid
CDF-1

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: Atsugi A12 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	01-Apr-2019	0 / 16	0 / 144
PVM ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
MHV ace	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
MVM ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
MPV ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
MNV ace	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
REO ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
EDIM ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
LCMV ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
ECTRO ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
MAV ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
MCMV ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
K ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
POLY ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
HANT ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
MTLV ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
LDV ad	MFIA/PCR	RADS JPN	--	--	--
Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	04-Mar-2019	0 / 12	0 / 184
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	04-Mar-2019	0 / 12	0 / 192
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	04-Mar-2019	0 / 12	0 / 184
<i>H. bilis</i> ade	PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
<i>H. hepaticus</i> ade	PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 152
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	04-Mar-2019	0 / 12	0 / 184
<i>P. aeruginosa</i> ade	Culture/PCR	RADS JPN	04-Mar-2019	0 / 12	0 / 184
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	04-Mar-2019	0 / 12	0 / 184
<i>Staph. aureus</i> ade	Culture/PCR	RADS JPN	04-Mar-2019	0 / 12	0 / 184
<i>S. moniliformis</i> ad	PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	04-Mar-2019	0 / 12	0 / 184
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 208
<i>Pneumocystis</i> sp. ad	PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
<i>C. bovis</i> ade	PCR	RADS JPN	--	--	--
Pathology					
Gross Exam df	Exam	RADS JPN	04-Mar-2019	0 / 12	0 / 192



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	04-Mar-2019	0 / 12	0 / 184
<i>Helminths</i> ade	Exam/PCR	RADS JPN	04-Mar-2019	0 / 12	0 / 192
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	04-Mar-2019	0 / 8	0 / 128
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40

* 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-Apr-2019	0 / 16	0 / 144
PVM ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
MHV ace	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
MVM ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
MPV ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
MNV ace	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
REO ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
EDIM ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
LCMV ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
ECTRO ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
MAV ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
MCMV ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
K ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
POLY ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
HANT ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
MTLV ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
LDV ad	MFIA/PCR	RADS JPN	--	--	--
Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	04-Mar-2019	0 / 8	0 / 128
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	04-Mar-2019	0 / 8	0 / 148
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	04-Mar-2019	0 / 8	0 / 128
<i>H. bilis</i> ade	PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
<i>H. hepaticus</i> ade	PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	04-Mar-2019	0 / 8	0 / 128
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	04-Mar-2019	0 / 8	0 / 128
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	04-Mar-2019	0 / 8	0 / 128
<i>S. moniliformis</i> ad	PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	04-Mar-2019	0 / 8	0 / 128
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 164
<i>C. bovis</i> bde	PCR	RADS JPN	--	--	--
Pathology					
Gross Exam df	Exam	RADS JPN	04-Mar-2019	0 / 8	0 / 148
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	04-Mar-2019	0 / 8	0 / 128
Helminths ade	Exam/PCR	RADS JPN	04-Mar-2019	0 / 8	0 / 148



charles river
Mouse SPF/VAF Report
Japan

Charles River Laboratories Yokohama

Location *Health Status*
 Atsugi A13 Mice SPF/VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Parasitology					
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	04-Mar-2019	0 / 4	0 / 84
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40

* 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-Apr-2019	0 / 16	0 / 144
PVM ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
MHV ace	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
MVM ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
MPV ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
MNV ace	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
REO ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
EDIM ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
LCMV ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
ECTRO ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
MAV ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
MCMV ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
K ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
POLY ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
HANT ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
MTLV ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
LDV ad	MFIA/PCR	RADS JPN	--	--	--
Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	04-Mar-2019	0 / 8	0 / 128
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	04-Mar-2019	0 / 8	0 / 148
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	04-Mar-2019	0 / 8	0 / 128
<i>H. bilis</i> ade	PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
<i>H. hepaticus</i> ade	PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	04-Mar-2019	0 / 8	0 / 128
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	04-Mar-2019	0 / 8	0 / 128
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	04-Mar-2019	0 / 8	0 / 128
<i>S. moniliformis</i> ad	PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	04-Mar-2019	0 / 8	0 / 128
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 164
<i>C. bovis</i> bde	PCR	RADS JPN	--	--	--
Pathology					
Gross Exam df	Exam	RADS JPN	04-Mar-2019	0 / 8	0 / 148
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	04-Mar-2019	0 / 8	0 / 128
Helminths ade	Exam/PCR	RADS JPN	04-Mar-2019	0 / 8	0 / 148



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	04-Mar-2019	0 / 4	0 / 84
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40

* 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-Apr-2019	0 / 16	0 / 144
PVM ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
MHV ace	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
MVM ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
MPV ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
MNV ace	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
REO ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
EDIM ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
LCMV ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
ECTRO ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
MAV ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
MCMV ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
K ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
POLY ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
HANT ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
MTLV ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
LDV ad	MFIA/PCR	RADS JPN	--	--	--
Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	04-Mar-2019	0 / 8	0 / 128
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	04-Mar-2019	0 / 8	0 / 148
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	04-Mar-2019	0 / 8	0 / 128
<i>H. bilis</i> ade	PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
<i>H. hepaticus</i> ade	PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	04-Mar-2019	0 / 8	0 / 128
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	04-Mar-2019	0 / 8	0 / 128
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	04-Mar-2019	0 / 8	0 / 128
<i>S. moniliformis</i> ad	PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	04-Mar-2019	0 / 8	0 / 128
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 164
<i>C. bovis</i> bde	PCR	RADS JPN	--	--	--
Pathology					
Gross Exam df	Exam	RADS JPN	04-Mar-2019	0 / 8	0 / 148
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	04-Mar-2019	0 / 8	0 / 128
Helminths ade	Exam/PCR	RADS JPN	04-Mar-2019	0 / 8	0 / 148



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	04-Mar-2019	0 / 4	0 / 84
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	04-Feb-2019	0 / 8	0 / 40

* dashes indicate not tested during specified period

HOUSED STRAINS

Inbred
C57BL/6J

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

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



Rat SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location: Atsugi A21 Rats
Health Status: SPF/VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
Virology					
SEND ac	MFIA/PCR	RADS JPN	08-Apr-2019	0 / 16	0 / 36
PVM ac	MFIA/PCR	RADS JPN	08-Apr-2019	0 / 16	0 / 36
SDAV ace	MFIA/PCR	RADS JPN	08-Apr-2019	0 / 16	0 / 36
KRV ac	MFIA/PCR	RADS JPN	08-Apr-2019	0 / 16	0 / 36
H-1 ac	MFIA/PCR	RADS JPN	08-Apr-2019	0 / 16	0 / 36
RPV ac	MFIA/PCR	RADS JPN	08-Apr-2019	0 / 16	0 / 36
RMV ac	MFIA/PCR	RADS JPN	08-Apr-2019	0 / 16	0 / 36
REO ac	MFIA/PCR	RADS JPN	08-Apr-2019	0 / 16	0 / 36
RTV ac	MFIA/PCR	RADS JPN	08-Apr-2019	0 / 16	0 / 36
LCMV ad	MFIA/PCR	RADS JPN	12-Feb-2019	0 / 8	0 / 8
HANT ad	MFIA/PCR	RADS JPN	12-Feb-2019	0 / 8	0 / 8
MAV ad	MFIA/PCR	RADS JPN	12-Feb-2019	0 / 8	0 / 8
Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	11-Mar-2019	0 / 8	0 / 16
CAR Bacillus ad	MFIA/PCR	RADS JPN	12-Feb-2019	0 / 8	0 / 8
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	11-Mar-2019	0 / 8	0 / 16
<i>H. bilis</i> ade	PCR	RADS JPN	12-Feb-2019	0 / 8	0 / 8
<i>H. hepaticus</i> ade	PCR	RADS JPN	12-Feb-2019	0 / 8	0 / 8
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	12-Feb-2019	0 / 8	0 / 8
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	08-Apr-2019	0 / 16	0 / 36
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	11-Mar-2019	0 / 8	0 / 16
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	11-Mar-2019	0 / 8	0 / 16
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	11-Mar-2019	0 / 8	0 / 16
<i>S. moniliformis</i> ad	PCR	RADS JPN	12-Feb-2019	0 / 8	0 / 8
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	11-Mar-2019	0 / 8	0 / 16
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	08-Apr-2019	0 / 16	0 / 36
<i>Pneumocystis sp.</i> ac	Exam/MFIA/PCR	RADS JPN	08-Apr-2019	0 / 16	0 / 36
<i>C. bovis</i> bde	PCR	RADS JPN	--	--	--
Pathology					
Gross Exam df	Exam	RADS JPN	11-Mar-2019	0 / 8	0 / 16
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	11-Mar-2019	0 / 8	0 / 16
Helminths ade	Exam/PCR	RADS JPN	11-Mar-2019	0 / 8	0 / 16
Enteric Protozoa ade	Exam/PCR	RADS JPN	11-Mar-2019	0 / 4	0 / 12
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	12-Feb-2019	0 / 8	0 / 8

* 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	01-Apr-2019	0 / 16	0 / 144
PVM ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
MHV ace	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
MVM ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
MPV ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
MNV ace	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
REO ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
EDIM ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
LCMV ad	MFIA/PCR	RADS JPN	05-Feb-2019	0 / 8	0 / 40
ECTRO ad	MFIA/PCR	RADS JPN	05-Feb-2019	0 / 8	0 / 40
MAV ad	MFIA/PCR	RADS JPN	05-Feb-2019	0 / 8	0 / 40
MCMV ad	MFIA/PCR	RADS JPN	05-Feb-2019	0 / 8	0 / 40
K ad	MFIA/PCR	RADS JPN	05-Feb-2019	0 / 8	0 / 40
POLY ad	MFIA/PCR	RADS JPN	05-Feb-2019	0 / 8	0 / 40
HANT ad	MFIA/PCR	RADS JPN	05-Feb-2019	0 / 8	0 / 40
MTLV ad	MFIA/PCR	RADS JPN	05-Feb-2019	0 / 8	0 / 40
LDV ad	MFIA/PCR	RADS JPN	--	--	--

Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	11-Mar-2019	0 / 8	0 / 128
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	11-Mar-2019	0 / 8	0 / 148
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	05-Feb-2019	0 / 8	0 / 40
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	11-Mar-2019	0 / 8	0 / 128
<i>H. bilis</i> ade	PCR	RADS JPN	05-Feb-2019	0 / 8	0 / 40
<i>H. hepaticus</i> ade	PCR	RADS JPN	05-Feb-2019	0 / 8	0 / 40
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	05-Feb-2019	0 / 8	0 / 40
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 144
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	11-Mar-2019	0 / 8	0 / 128
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	11-Mar-2019	0 / 8	0 / 128
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	11-Mar-2019	0 / 8	0 / 128
<i>S. moniliformis</i> ad	PCR	RADS JPN	05-Feb-2019	0 / 8	0 / 40
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	11-Mar-2019	0 / 8	0 / 128
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 164
<i>C. bovis</i> bde	PCR	RADS JPN	--	--	--

Pathology					
Gross Exam df	Exam	RADS JPN	11-Mar-2019	0 / 8	0 / 176

Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	11-Mar-2019	0 / 8	0 / 128
Helminths ade	Exam/PCR	RADS JPN	11-Mar-2019	0 / 8	0 / 148



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</i> ade	Exam/PCR	RADS JPN	11-Mar-2019	0 / 4	0 / 84
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	05-Feb-2019	0 / 8	0 / 40

* 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

Rat SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location	Health Status		Summary Item				
			Method	Primary Lab	Test Date	Most Recent Positive / Tested	Past 18 Months Positive / Tested
Hino H11 Rats	SPF/VAF						
Virology							
	SEND ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152	
	PVM ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152	
	SDAV ace	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152	
	KRV ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152	
	H-1 ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152	
	RPV ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152	
	RMV ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152	
	REO ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152	
	RTV ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152	
	LCMV ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48	
	HANT ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48	
	MAV ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48	
Microbiology							
	<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 136	
	CAR Bacillus ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48	
	<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 136	
	<i>H. bilis</i> ade	PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48	
	<i>H. hepaticus</i> ade	PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48	
	<i>Helicobacter sp.</i> ade	PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48	
	<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152	
	<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 136	
	<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 136	
	<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 136	
	<i>S. moniliformis</i> ad	PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48	
	<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 136	
	CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	08-Apr-2019	0 / 16	0 / 176	
	<i>Pneumocystis sp.</i> ac	Exam/MFIA/PCR	RADS JPN	08-Apr-2019	0 / 16	0 / 152	
	<i>C. bovis</i> bde	PCR	RADS JPN	--	--	--	
Pathology							
	Gross Exam df	Exam	RADS JPN	06-Mar-2019	0 / 8	0 / 120	
Parasitology							
	Ectoparasites ade	Exam/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 136	
	Helminths ade	Exam/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 160	
	Enteric Protozoa ade	Exam/PCR	RADS JPN	06-Mar-2019	0 / 4	0 / 92	
	<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48	

* 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	03-Apr-2019	0 / 16	0 / 160
PVM ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 160
MHV ace	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 160
MVM ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 160
MPV ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 160
MNV ace	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 160
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 160
REO ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 160
EDIM ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 160
LCMV ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 56
ECTRO ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 56
MAV ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 56
MCMV ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 56
K ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 56
POLY ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 56
HANT ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 56
MTLV ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 56
LDV ad	MFIA/PCR	RADS JPN	--	--	--

Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 144
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 168
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 56
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 144
<i>H. bilis</i> ade	PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 56
<i>H. hepaticus</i> ade	PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 56
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 56
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 160
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 144
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 144
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 144
<i>S. moniliformis</i> ad	PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 56
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 144
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 184
<i>C. bovis</i> bde	PCR	RADS JPN	--	--	--

Pathology					
Gross Exam df	Exam	RADS JPN	06-Mar-2019	0 / 8	0 / 168

Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 144
Helminths ade	Exam/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 168



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	06-Mar-2019	0 / 4	0 / 100
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 56

* dashes indicate not tested during specified period

HOUSED STRAINS

Inbred
 B6 OB
 BKS DB
 C57BL/6J

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

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

Rat SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location	Health Status		Summary Item		
			Method	Primary Lab	Test Date
Hino H13 Rats	SPF/VAF				
Virology					
SEND ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152
PVM ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152
SDAV ace	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152
KRV ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152
H-1 ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152
RPV ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152
RMV ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152
REO ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152
RTV ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152
LCMV ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48
HANT ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48
MAV ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48
Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 136
CAR Bacillus ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 136
<i>H. bilis</i> ade	PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48
<i>H. hepaticus</i> ade	PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 136
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 136
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 136
<i>S. moniliformis</i> ad	PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 136
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 176
<i>Pneumocystis sp.</i> ac	Exam/MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152
<i>C. bovis</i> bde	PCR	RADS JPN	--	--	--
Pathology					
Gross Exam df	Exam	RADS JPN	06-Mar-2019	0 / 8	0 / 120
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 136
Helminths ade	Exam/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 160
Enteric Protozoa ade	Exam/PCR	RADS JPN	06-Mar-2019	0 / 4	0 / 92
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48

* 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		Summary Item		
			Method	Primary Lab	Test Date
Hino H21 Rats	SPF/VAF				
Virology					
SEND ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152
PVM ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152
SDAV ace	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152
KRV ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152
H-1 ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152
RPV ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152
RMV ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152
REO ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152
RTV ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152
LCMV ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48
HANT ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48
MAV ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48
Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 136
CAR Bacillus ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 136
<i>H. bilis</i> ade	PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48
<i>H. hepaticus</i> ade	PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 136
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 136
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 136
<i>S. moniliformis</i> ad	PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 136
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	08-Apr-2019	0 / 16	0 / 176
<i>Pneumocystis sp.</i> ac	Exam/MFIA/PCR	RADS JPN	08-Apr-2019	0 / 16	0 / 152
<i>C. bovis</i> bde	PCR	RADS JPN	--	--	--
Pathology					
Gross Exam df	Exam	RADS JPN	06-Mar-2019	0 / 8	0 / 120
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 136
Helminths ade	Exam/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 160
Enteric Protozoa ade	Exam/PCR	RADS JPN	06-Mar-2019	0 / 4	0 / 92
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48

* 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	03-Apr-2019	0 / 16	0 / 160
PVM ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 160
MHV ace	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 160
MVM ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 160
MPV ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 160
MNV ace	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 160
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 160
REO ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 160
EDIM ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 160
LCMV ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 56
ECTRO ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 56
MAV ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 56
MCMV ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 56
K ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 56
POLY ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 56
HANT ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 56
MTLV ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 56
LDV ad	MFIA/PCR	RADS JPN	--	--	--
Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 144
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 168
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 56
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 144
<i>H. bilis</i> ade	PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 56
<i>H. hepaticus</i> ade	PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 56
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 56
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 160
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 144
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 144
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 144
<i>S. moniliformis</i> ad	PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 56
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 144
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 184
<i>C. bovis</i> bde	PCR	RADS JPN	--	--	--
Pathology					
Gross Exam df	Exam	RADS JPN	06-Mar-2019	0 / 8	0 / 232
Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 144
Helminths ade	Exam/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 168



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	06-Mar-2019	0 / 4	0 / 100
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 56

* 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-Apr-2019	0 / 16	0 / 152
PVM ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152
MHV ace	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152
MVM ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152
MPV ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152
MNV ace	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152
REO ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152
EDIM ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152
LCMV ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48
ECTRO ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48
MAV ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48
MCMV ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48
K ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48
POLY ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48
HANT ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48
MTLV ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48
LDV ad	MFIA/PCR	RADS JPN	--	--	--

Microbiology					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 136
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 160
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 136
<i>H. bilis</i> ade	PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48
<i>H. hepaticus</i> ade	PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 152
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 136
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 136
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 136
<i>S. moniliformis</i> ad	PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 136
CPIL (<i>Tyzzers Disease</i>) ac	Exam/MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 176
<i>C. bovis</i> bde	PCR	RADS JPN	--	--	--

Pathology					
Gross Exam df	Exam	RADS JPN	06-Mar-2019	0 / 8	0 / 160

Parasitology					
Ectoparasites ade	Exam/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 136
Helminths ade	Exam/PCR	RADS JPN	06-Mar-2019	0 / 8	0 / 160



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	06-Mar-2019	0 / 4	0 / 92
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	13-Feb-2019	0 / 8	0 / 48

* 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	02-Apr-2019	0 / 12	0 / 421
PVM ac	PCR	RADS JPN	02-Apr-2019	0 / 12	0 / 421
MHV ac	PCR	RADS JPN	02-Apr-2019	0 / 12	0 / 421
MVM ac	PCR	RADS JPN	02-Apr-2019	0 / 12	0 / 421
MPV ac	PCR	RADS JPN	02-Apr-2019	0 / 12	0 / 421
MNV ac	PCR	RADS JPN	02-Apr-2019	0 / 12	0 / 421
TMEV (GDVII) ac	PCR	RADS JPN	02-Apr-2019	0 / 12	0 / 421
REO ac	PCR	RADS JPN	02-Apr-2019	0 / 12	0 / 421
EDIM ac	PCR	RADS JPN	02-Apr-2019	0 / 12	0 / 421
LCMV a	PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 142
ECTRO a	PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 142
MAV a	PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 142
MCMV a	PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 142
K a	PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 142
POLY a	PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 142
HANT a	PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 142
MTLV a	PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 142
LDV ad	PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 16
Microbiology					
<i>B. bronchiseptica</i> abc	Culture/PCR	RADS JPN	02-Apr-2019	0 / 55	0 / 872
<i>C. rodentium</i> abc	Culture/PCR	RADS JPN	02-Apr-2019	0 / 55	0 / 872
CAR <i>Bacillus</i> a	PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 142
<i>C. kutscheri</i> abc	Culture/PCR	RADS JPN	02-Apr-2019	0 / 55	0 / 872
<i>H. bilis</i> a	PCR	RADS JPN	02-Apr-2019	0 / 12	0 / 262
<i>H. hepaticus</i> a	PCR	RADS JPN	02-Apr-2019	0 / 12	0 / 262
<i>Helicobacter</i> sp. a	PCR	RADS JPN	02-Apr-2019	0 / 12	0 / 262
<i>M. pulmonis</i> ac	PCR	RADS JPN	02-Apr-2019	0 / 12	0 / 513
<i>P. pneumotropica</i> abc	Culture/PCR	RADS JPN	02-Apr-2019	0 / 55	0 / 872
<i>P. aeruginosa</i> abc	Culture/PCR	RADS JPN	02-Apr-2019	0 / 55	0 / 872
<i>Salmonella</i> sp. abc	Culture/PCR	RADS JPN	02-Apr-2019	0 / 55	0 / 872
<i>Staph. aureus</i> abc	Culture/PCR	RADS JPN	02-Apr-2019	0 / 55	0 / 872
<i>S. moniliformis</i> a	PCR	RADS JPN	01-Apr-2019	0 / 12	0 / 250
<i>Strep. pneumoniae</i> abc	Culture/PCR	RADS JPN	02-Apr-2019	0 / 43	0 / 872
Beta <i>Strep.</i> sp. a	Culture/PCR	RADS JPN	01-Apr-2019	0 / 12	0 / 817
CPIL (<i>Tyzzers Disease</i>) ac	Exam/PCR	RADS JPN	02-Apr-2019	0 / 12	0 / 829
<i>Pneumocystis</i> sp. ac	PCR	RADS JPN	02-Apr-2019	0 / 12	0 / 421
<i>C. bovis</i> ac	PCR	RADS JPN	02-Apr-2019	0 / 12	0 / 12
Pathology					
Gross Exam ad	Exam	RADS JPN	01-Apr-2019	0 / 16	0 / 817



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-Apr-2019	0 / 16	0 / 817
<i>Helminths</i> ade	Exam	RADS JPN	01-Apr-2019	0 / 16	0 / 817
<i>Enteric Protozoa</i> ad	Exam	RADS JPN	01-Apr-2019	0 / 16	0 / 602
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 142

* 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	09-Apr-2019	0 / 8	0 / 252
PVM ac	PCR	RADS JPN	09-Apr-2019	0 / 8	0 / 252
MHV ac	PCR	RADS JPN	09-Apr-2019	0 / 8	0 / 252
MVM ac	PCR	RADS JPN	09-Apr-2019	0 / 8	0 / 252
MPV ac	PCR	RADS JPN	09-Apr-2019	0 / 8	0 / 252
MNV ac	PCR	RADS JPN	09-Apr-2019	0 / 8	0 / 252
TMEV (GDVII) ac	PCR	RADS JPN	09-Apr-2019	0 / 8	0 / 252
REO ac	PCR	RADS JPN	09-Apr-2019	0 / 8	0 / 252
EDIM ac	PCR	RADS JPN	09-Apr-2019	0 / 8	0 / 252
LCMV a	PCR	RADS JPN	02-Apr-2019	0 / 12	0 / 66
ECTRO a	PCR	RADS JPN	02-Apr-2019	0 / 12	0 / 66
MAV a	PCR	RADS JPN	02-Apr-2019	0 / 12	0 / 66
MCMV a	PCR	RADS JPN	02-Apr-2019	0 / 12	0 / 66
K a	PCR	RADS JPN	02-Apr-2019	0 / 12	0 / 66
POLY a	PCR	RADS JPN	02-Apr-2019	0 / 12	0 / 66
HANT a	PCR	RADS JPN	02-Apr-2019	0 / 12	0 / 66
MTLV a	PCR	RADS JPN	02-Apr-2019	0 / 12	0 / 66
LDV ad	PCR	RADS JPN	02-Apr-2019	0 / 12	0 / 12
Microbiology					
<i>B. bronchiseptica</i> abc	Culture/PCR	RADS JPN	02-Apr-2019	0 / 55	0 / 872
<i>C. rodentium</i> abc	Culture/PCR	RADS JPN	02-Apr-2019	0 / 55	0 / 872
CAR Bacillus a	PCR	RADS JPN	02-Apr-2019	0 / 12	0 / 232
<i>C. kutscheri</i> abc	Culture/PCR	RADS JPN	02-Apr-2019	0 / 55	0 / 872
<i>H. bilis</i> a	PCR	RADS JPN	09-Apr-2019	0 / 8	0 / 182
<i>H. hepaticus</i> a	PCR	RADS JPN	09-Apr-2019	0 / 8	0 / 182
<i>Helicobacter sp.</i> a	PCR	RADS JPN	09-Apr-2019	0 / 8	0 / 182
<i>M. pulmonis</i> ac	PCR	RADS JPN	09-Apr-2019	0 / 8	0 / 348
<i>P. pneumotropica</i> abc	Culture/PCR	RADS JPN	02-Apr-2019	0 / 55	0 / 872
<i>P. aeruginosa</i> abc	Culture/PCR	RADS JPN	02-Apr-2019	0 / 55	0 / 872
<i>Salmonella sp.</i> abc	Culture/PCR	RADS JPN	02-Apr-2019	0 / 55	0 / 872
<i>Staph. aureus</i> abc	Culture/PCR	RADS JPN	02-Apr-2019	0 / 55	0 / 872
<i>S. moniliformis</i> a	PCR	RADS JPN	02-Apr-2019	0 / 12	0 / 174
<i>Strep. pneumoniae</i> abc	Culture/PCR	RADS JPN	02-Apr-2019	0 / 43	0 / 872
Beta Strep. sp. a	Culture/PCR	RADS JPN	02-Apr-2019	0 / 12	0 / 672
CPIL (Tyzzer's Disease) ac	Exam/PCR	RADS JPN	09-Apr-2019	0 / 8	0 / 680
<i>Pneumocystis sp.</i> ac	PCR	RADS JPN	09-Apr-2019	0 / 8	0 / 252
<i>C. bovis</i> ac	PCR	RADS JPN	09-Apr-2019	0 / 8	0 / 8
Pathology					
Gross Exam ad	Exam	RADS JPN	02-Apr-2019	0 / 12	0 / 672



Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

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

<i>Summary Item</i>	<i>Method</i>	<i>Primary Lab</i>	<i>Most Recent</i>		<i>Past 18 Months</i>
			<i>Test Date</i>	<i>Positive / Tested</i>	<i>Positive / Tested</i>
Parasitology					
<i>Ectoparasites ade</i>	Exam	RADS JPN	01-Apr-2019	0 / 16	0 / 672
<i>Helminths ade</i>	Exam	RADS JPN	01-Apr-2019	0 / 16	0 / 672
<i>Enteric Protozoa ad</i>	Exam	RADS JPN	01-Apr-2019	0 / 16	0 / 452
<i>E. cuniculi ad</i>	MFIA/PCR	RADS JPN	01-Apr-2019	0 / 16	0 / 66

* 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	16-Apr-2019	0 / 12	0 / 304
PVM ac	PCR	RADS JPN	16-Apr-2019	0 / 12	0 / 304
MHV ac	PCR	RADS JPN	16-Apr-2019	0 / 12	0 / 304
MVM ac	PCR	RADS JPN	16-Apr-2019	0 / 12	0 / 304
MPV ac	PCR	RADS JPN	16-Apr-2019	0 / 12	0 / 304
MNV ac	PCR	RADS JPN	16-Apr-2019	0 / 12	0 / 304
TMEV (GDVII) ac	PCR	RADS JPN	16-Apr-2019	0 / 12	0 / 304
REO ac	PCR	RADS JPN	16-Apr-2019	0 / 12	0 / 304
EDIM ac	PCR	RADS JPN	16-Apr-2019	0 / 12	0 / 304
LCMV a	PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 78
ECTRO a	PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 78
MAV a	PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 78
MCMV a	PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 78
K a	PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 78
POLY a	PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 78
HANT a	PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 78
MTLV a	PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 78
LDV ad	PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 16
Microbiology					
<i>B. bronchiseptica</i> abc	Culture/PCR	RADS JPN	02-Apr-2019	0 / 55	0 / 872
<i>C. rodentium</i> abc	Culture/PCR	RADS JPN	02-Apr-2019	0 / 55	0 / 872
CAR Bacillus a	PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 78
<i>C. kutscheri</i> abc	Culture/PCR	RADS JPN	02-Apr-2019	0 / 55	0 / 872
<i>H. bilis</i> a	PCR	RADS JPN	16-Apr-2019	0 / 12	0 / 214
<i>H. hepaticus</i> a	PCR	RADS JPN	16-Apr-2019	0 / 12	0 / 214
<i>Helicobacter sp.</i> a	PCR	RADS JPN	16-Apr-2019	0 / 12	0 / 214
<i>M. pulmonis</i> ac	PCR	RADS JPN	16-Apr-2019	0 / 12	0 / 412
<i>P. pneumotropica</i> abc	Culture/PCR	RADS JPN	02-Apr-2019	0 / 55	0 / 872
<i>P. aeruginosa</i> abc	Culture/PCR	RADS JPN	02-Apr-2019	0 / 55	0 / 872
<i>Salmonella sp.</i> abc	Culture/PCR	RADS JPN	02-Apr-2019	0 / 55	0 / 872
<i>Staph. aureus</i> abc	Culture/PCR	RADS JPN	02-Apr-2019	0 / 55	0 / 872
<i>S. moniliformis</i> a	PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 202
<i>Strep. pneumoniae</i> abc	Culture/PCR	RADS JPN	02-Apr-2019	0 / 43	0 / 872
Beta Strep. sp. a	Culture/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 769
CPIL (Tyzzer's Disease) ac	Exam/PCR	RADS JPN	16-Apr-2019	0 / 12	0 / 781
<i>Pneumocystis sp.</i> ac	PCR	RADS JPN	16-Apr-2019	0 / 12	0 / 304
<i>C. bovis</i> ac	PCR	RADS JPN	16-Apr-2019	0 / 12	0 / 12
Pathology					
Gross Exam ad	Exam	RADS JPN	03-Apr-2019	0 / 16	0 / 769



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-Apr-2019	0 / 16	0 / 769
<i>Helminths</i> ade	Exam	RADS JPN	03-Apr-2019	0 / 16	0 / 769
<i>Enteric Protozoa</i> ad	Exam	RADS JPN	03-Apr-2019	0 / 16	0 / 537
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	03-Apr-2019	0 / 16	0 / 78

* 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: 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