

2019年8月30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8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: Atsugi A11 Mice  
Health Status: SPF/VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
<b>Virology</b>					
SEND ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 172
PVM ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 172
MHV ace	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 176
MVM ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 172
MPV ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 172
MNV ace	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 176
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 172
REO ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 172
EDIM ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 172
LCMV ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
ECTRO ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
MAV ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
MCMV ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
K ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
POLY ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
HANT ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
MTLV ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
LDV ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 20
<b>Microbiology</b>					
B. bronchiseptica ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 172
C. rodentium ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 190
CAR Bacillus ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
C. kutscheri ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 172
H. bilis ade	PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 74
H. hepaticus ade	PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 74
Helicobacter sp. ade	PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 74
M. pulmonis ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 190
P. pneumotropica ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 172
P. aeruginosa ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 172
Salmonella sp. ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 172
Staph. aureus ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 172
S. moniliformis ad	PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 70
Strep. pneumoniae ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 172
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 234
Pneumocystis sp. ad	PCR	RADS JPN	05-Aug-2019	0 / 5	0 / 26
C. bovis ade	PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 34
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	05-Aug-2019	0 / 15	0 / 186



# 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
<b>Parasitology</b>					
<i>Ectoparasites</i> ade	Exam/PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 172
<i>Helminths</i> ade	Exam/PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 190
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 128
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52

\* dashes indicate not tested during specified period

### HOUSED STRAINS

<b>Outbred</b>	<b>Inbred</b>
NU/NU CD1	NU/NU B/C
NU+ CD1	NU+ B/C

COLONY POLICY FOR A POSITIVE RESULT: a = immediate termination

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

## Mouse SPF/VAF Report

### Japan

Charles River Laboratories Yokohama

Location *Health Status*  
Atsugi A12 Mice SPF/VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
<b>Virology</b>					
SEND ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 172
PVM ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 172
MHV ace	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 176
MVM ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 172
MPV ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 172
MNV ace	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 176
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 172
REO ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 172
EDIM ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 172
LCMV ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
ECTRO ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
MAV ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
MCMV ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
K ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
POLY ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
HANT ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
MTLV ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
LDV ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 20
<b>Microbiology</b>					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 172
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 190
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 172
<i>H. bilis</i> ade	PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 74
<i>H. hepaticus</i> ade	PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 74
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 74
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 190
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 172
<i>P. aeruginosa</i> ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 172
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 172
<i>Staph. aureus</i> ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 172
<i>S. moniliformis</i> ad	PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 70
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 172
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 234
<i>Pneumocystis</i> sp. ad	PCR	RADS JPN	05-Aug-2019	0 / 5	0 / 26
<i>C. bovis</i> ade	PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 34
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	05-Aug-2019	0 / 15	0 / 186



# 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
<b>Parasitology</b>					
<i>Ectoparasites</i> ade	Exam/PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 172
<i>Helminths</i> ade	Exam/PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 190
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 128
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52

\* 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
<b>Virology</b>					
SEND ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 172
PVM ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 172
MHV ace	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 176
MVM ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 172
MPV ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 172
MNV ace	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 176
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 172
REO ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 172
EDIM ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 172
LCMV ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
ECTRO ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
MAV ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
MCMV ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
K ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
POLY ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
HANT ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
MTLV ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
LDV ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 20
<b>Microbiology</b>					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 128
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 154
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 128
<i>H. bilis</i> ade	PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 56
<i>H. hepaticus</i> ade	PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 56
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 56
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 172
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 128
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 124
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 128
<i>S. moniliformis</i> ad	PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 128
CPIL ( <i>Tyzzers Disease</i> ) ac	Exam/MFIA/PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 198
<i>C. bovis</i> bde	PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 24
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	05-Aug-2019	0 / 15	0 / 150
<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 128
Helminths ade	Exam/PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 154



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**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
<b>Parasitology</b>					
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 92
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52

\* 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
<b>Virology</b>					
SEND ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 172
PVM ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 172
MHV ace	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 176
MVM ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 172
MPV ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 172
MNV ace	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 176
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 172
REO ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 172
EDIM ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 172
LCMV ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
ECTRO ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
MAV ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
MCMV ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
K ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
POLY ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
HANT ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
MTLV ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
LDV ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 20
<b>Microbiology</b>					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 128
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 154
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 128
<i>H. bilis</i> ade	PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 56
<i>H. hepaticus</i> ade	PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 56
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 56
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 172
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 128
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 124
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 128
<i>S. moniliformis</i> ad	PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 128
CPIL ( <i>Tyzzers Disease</i> ) ac	Exam/MFIA/PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 198
<i>C. bovis</i> bde	PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 24
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	05-Aug-2019	0 / 15	0 / 150
<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 128
Helminths ade	Exam/PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 154





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**Mouse SPF/VAF Report**  
**Japan**

Charles River Laboratories Yokohama

*Location*  
 Atsugi A14 Mice

*Health Status*  
 SPF/VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
<b>Parasitology</b>					
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 92
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52

\* dashes indicate not tested during specified period

HOUSED STRAINS

<b>Outbred</b>	<b>Inbred</b>
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

Summary Item	Method	Primary Lab	Health Status		
			SPF/VAF		
			Most Recent	Past 18 Months	
			Test Date	Positive / Tested	Positive / Tested
<b>Virology</b>					
SEND ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 172
PVM ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 172
MHV ace	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 176
MVM ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 172
MPV ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 172
MNV ace	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 176
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 172
REO ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 172
EDIM ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 172
LCMV ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
ECTRO ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
MAV ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
MCMV ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
K ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
POLY ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
HANT ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
MTLV ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
LDV ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 20
<b>Microbiology</b>					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 128
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 154
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 128
<i>H. bilis</i> ade	PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 56
<i>H. hepaticus</i> ade	PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 56
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 56
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 172
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 128
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 124
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 128
<i>S. moniliformis</i> ad	PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 128
CPIL ( <i>Tyzzers Disease</i> ) ac	Exam/MFIA/PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 198
<i>C. bovis</i> bde	PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 24
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	05-Aug-2019	0 / 15	0 / 150
<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 128
Helminths ade	Exam/PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 154



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**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>
<b>Parasitology</b>					
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 92
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52

\* 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
<b>Virology</b>					
SEND ac	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 76
PVM ac	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 76
SDAV ace	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 80
KRV ac	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 76
H-1 ac	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 76
RPV ac	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 76
RMV ac	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 76
REO ac	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 76
RTV ac	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 76
LCMV ad	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 20
HANT ad	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 20
MAV ad	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 20
<b>Microbiology</b>					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 32
CAR Bacillus ad	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 20
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 32
<i>H. bilis</i> ade	PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 23
<i>H. hepaticus</i> ade	PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 23
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 23
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 76
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 32
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 28
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 32
<i>S. moniliformis</i> ad	PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 20
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 32
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	07-Aug-2019	0 / 15	0 / 86
<i>Pneumocystis sp.</i> ac	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 66
<i>C. bovis</i> bde	PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 24
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	07-Aug-2019	0 / 15	0 / 38
<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 32
Helminths ade	Exam/PCR	RADS JPN	07-Aug-2019	0 / 15	0 / 42
Enteric Protozoa ade	Exam/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 27
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 20

\* dashes indicate not tested during specified period



## **Rat SPF/VAF Report**

### **Japan**

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Charles River Laboratories Yokohama

*Location*

Atsugi A21 Rats

*Health Status*

SPF/VAF

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HOUSED STRAINS

**Outbred**

CD

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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
<b>Virology</b>					
SEND ac	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 172
PVM ac	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 172
MHV ace	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 176
MVM ac	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 172
MPV ac	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 172
MNV ace	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 176
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 172
REO ac	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 172
EDIM ac	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 172
LCMV ad	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 52
ECTRO ad	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 52
MAV ad	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 52
MCMV ad	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 52
K ad	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 52
POLY ad	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 52
HANT ad	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 52
MTLV ad	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 52
LDV ad	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 20
<b>Microbiology</b>					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 128
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 154
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 52
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 128
<i>H. bilis</i> ade	PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 56
<i>H. hepaticus</i> ade	PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 56
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 56
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 172
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 128
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 124
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 128
<i>S. moniliformis</i> ad	PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 52
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 128
CPIL ( <i>Tyzzers Disease</i> ) ac	Exam/MFIA/PCR	RADS JPN	07-Aug-2019	0 / 15	0 / 198
<i>C. bovis</i> bde	PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 24
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	07-Aug-2019	0 / 15	0 / 150
<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 128
Helminths ade	Exam/PCR	RADS JPN	07-Aug-2019	0 / 15	0 / 154



charles river  
**Mouse SPF/VAF Report**  
**Japan**

Charles River Laboratories Yokohama

Location: Atsugi A23 Mice  
 Health Status: SPF/VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
<b>Parasitology</b>					
Enteric Protozoa ade	Exam/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 92
E. cuniculi ad	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 50

\* dashes indicate not tested during specified period

HOUSED STRAINS

<b>Inbred</b>	<b>Hybrid</b>
BALB/C	CDF-1
DBA/2	

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

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

## Mouse SPF/VAF Report

### Japan

Charles River Laboratories Yokohama

Location *Health Status*  
Atsugi A24 Mice SPF/VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
<b>Virology</b>					
SEND ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 26
PVM ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 26
MHV ace	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 28
MVM ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 26
MPV ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 26
MNV ace	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 28
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 26
REO ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 26
EDIM ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 26
LCMV ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 26
ECTRO ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 26
MAV ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 26
MCMV ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 26
K ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 26
POLY ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 26
HANT ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 26
MTLV ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 26
LDV ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 10
<b>Microbiology</b>					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 36
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 41
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 26
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 36
<i>H. bilis</i> ade	PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 36
<i>H. hepaticus</i> ade	PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 36
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 36
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 34
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 36
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 34
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 36
<i>S. moniliformis</i> ad	PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 34
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 36
CPIL ( <i>Tyzzler's Disease</i> ) ac	Exam/MFIA/PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 39
<i>C. bovis</i> bde	PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 12
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	05-Aug-2019	0 / 15	0 / 39
<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 36
Helminths ade	Exam/PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 41





charles river  
**Mouse SPF/VAF Report**  
**Japan**

Charles River Laboratories Yokohama

*Location*  
 Atsugi A24 Mice

*Health Status*  
 SPF/VAF

<i>Summary Item</i>	<i>Method</i>	<i>Primary Lab</i>	<i>Most Recent</i>		<i>Past 18 Months</i>
			<i>Test Date</i>	<i>Positive / Tested</i>	<i>Positive / Tested</i>
<b>Parasitology</b>					
<i>Enteric Protozoa ade</i>	Exam/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 28
<i>E. cuniculi ad</i>	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 26

\* dashes indicate not tested during specified period

**Inbred**

C57BL/6J

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

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

## Mouse SPF/VAF Report

### Japan

Charles River Laboratories Yokohama

Location *Health Status*  
Atsugi A25 Mice SPF/VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
<b>Virology</b>					
SEND ac	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 52
PVM ac	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 52
MHV ace	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 56
MVM ac	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 52
MPV ac	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 52
MNV ace	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 56
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 52
REO ac	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 52
EDIM ac	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 52
LCMV ad	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 20
ECTRO ad	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 20
MAV ad	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 20
MCMV ad	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 20
K ad	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 20
POLY ad	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 20
HANT ad	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 20
MTLV ad	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 20
LDV ad	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 20
<b>Microbiology</b>					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 24
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 34
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 20
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 24
<i>H. bilis</i> ade	PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 24
<i>H. hepaticus</i> ade	PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 24
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 24
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 52
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 24
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 20
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 24
<i>S. moniliformis</i> ad	PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 20
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 24
CPIL ( <i>Tyzzers Disease</i> ) ac	Exam/MFIA/PCR	RADS JPN	07-Aug-2019	0 / 15	0 / 62
<i>C. bovis</i> bde	PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 14
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	07-Aug-2019	0 / 15	0 / 30
<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 24
Helminths ade	Exam/PCR	RADS JPN	07-Aug-2019	0 / 15	0 / 34



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
<b>Parasitology</b>					
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 24
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 20

\* dashes indicate not tested during specified period

HOUSED STRAINS

**Inbred**  
 BALB/C  
 DBA/1

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

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

## Rat SPF/VAF Report

### Japan

Charles River Laboratories Yokohama

Location	Health Status		Summary Item		
			Method	Primary Lab	Test Date
Hino H11 Rats	SPF/VAF				
<b>Virology</b>					
SEND ac	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 172
PVM ac	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 172
SDAV ace	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 176
KRV ac	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 172
H-1 ac	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 172
RPV ac	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 172
RMV ac	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 172
REO ac	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 172
RTV ac	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 172
LCMV ad	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52
HANT ad	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52
MAV ad	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52
<b>Microbiology</b>					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 128
CAR Bacillus ad	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 128
<i>H. bilis</i> ade	PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 55
<i>H. hepaticus</i> ade	PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 55
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 55
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 172
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 128
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 124
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 128
<i>S. moniliformis</i> ad	PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 128
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	14-Aug-2019	0 / 15	0 / 198
<i>Pneumocystis sp.</i> ac	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 172
<i>C. bovis</i> bde	PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 24
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	14-Aug-2019	0 / 15	0 / 118
<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 128
Helminths ade	Exam/PCR	RADS JPN	14-Aug-2019	0 / 15	0 / 154
Enteric Protozoa ade	Exam/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 91
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52

\* dashes indicate not tested during specified period



## Rat SPF/VAF Report

### Japan

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Charles River Laboratories Yokohama

Location

Hino H11 Rats

Health Status

SPF/VAF

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#### HOUSED STRAINS

**Outbred**

WISTAR

**Inbred**

F344

SHR

WKY

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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
<b>Virology</b>					
SEND ac	MFIA/PCR	RADS JPN	20-Aug-2019	0 / 10	0 / 172
PVM ac	MFIA/PCR	RADS JPN	20-Aug-2019	0 / 10	0 / 172
MHV ace	MFIA/PCR	RADS JPN	20-Aug-2019	0 / 10	0 / 176
MVM ac	MFIA/PCR	RADS JPN	20-Aug-2019	0 / 10	0 / 172
MPV ac	MFIA/PCR	RADS JPN	20-Aug-2019	0 / 10	0 / 172
MNV ace	MFIA/PCR	RADS JPN	20-Aug-2019	0 / 10	0 / 176
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	20-Aug-2019	0 / 10	0 / 172
REO ac	MFIA/PCR	RADS JPN	20-Aug-2019	0 / 10	0 / 172
EDIM ac	MFIA/PCR	RADS JPN	20-Aug-2019	0 / 10	0 / 172
LCMV ad	MFIA/PCR	RADS JPN	20-Aug-2019	0 / 10	0 / 52
ECTRO ad	MFIA/PCR	RADS JPN	20-Aug-2019	0 / 10	0 / 52
MAV ad	MFIA/PCR	RADS JPN	20-Aug-2019	0 / 10	0 / 52
MCMV ad	MFIA/PCR	RADS JPN	20-Aug-2019	0 / 10	0 / 52
K ad	MFIA/PCR	RADS JPN	20-Aug-2019	0 / 10	0 / 52
POLY ad	MFIA/PCR	RADS JPN	20-Aug-2019	0 / 10	0 / 52
HANT ad	MFIA/PCR	RADS JPN	20-Aug-2019	0 / 10	0 / 52
MTLV ad	MFIA/PCR	RADS JPN	20-Aug-2019	0 / 10	0 / 52
LDV ad	MFIA/PCR	RADS JPN	20-Aug-2019	0 / 10	0 / 20
<b>Microbiology</b>					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	20-Aug-2019	0 / 10	0 / 128
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	20-Aug-2019	0 / 10	0 / 154
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	20-Aug-2019	0 / 10	0 / 52
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	20-Aug-2019	0 / 10	0 / 128
<i>H. bilis</i> ade	PCR	RADS JPN	20-Aug-2019	0 / 10	0 / 56
<i>H. hepaticus</i> ade	PCR	RADS JPN	20-Aug-2019	0 / 10	0 / 56
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	20-Aug-2019	0 / 10	0 / 56
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	20-Aug-2019	0 / 10	0 / 172
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	20-Aug-2019	0 / 10	0 / 128
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	20-Aug-2019	0 / 10	0 / 124
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	20-Aug-2019	0 / 10	0 / 128
<i>S. moniliformis</i> ad	PCR	RADS JPN	20-Aug-2019	0 / 10	0 / 52
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	20-Aug-2019	0 / 10	0 / 128
CPIL ( <i>Tyzzers Disease</i> ) ac	Exam/MFIA/PCR	RADS JPN	20-Aug-2019	0 / 15	0 / 198
<i>C. bovis</i> bde	PCR	RADS JPN	20-Aug-2019	0 / 10	0 / 24
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	20-Aug-2019	0 / 15	0 / 150
<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	20-Aug-2019	0 / 10	0 / 128
Helminths ade	Exam/PCR	RADS JPN	20-Aug-2019	0 / 15	0 / 154



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>
<b>Parasitology</b>					
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	20-Aug-2019	0 / 10	0 / 92
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	20-Aug-2019	0 / 10	0 / 52

\* 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
<b>Virology</b>					
SEND ac	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 172
PVM ac	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 172
SDAV ace	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 176
KRV ac	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 172
H-1 ac	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 172
RPV ac	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 172
RMV ac	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 172
REO ac	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 172
RTV ac	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 172
LCMV ad	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52
HANT ad	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52
MAV ad	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52
<b>Microbiology</b>					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 128
CAR Bacillus ad	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 128
<i>H. bilis</i> ade	PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 55
<i>H. hepaticus</i> ade	PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 55
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 55
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 172
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 128
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 124
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 128
<i>S. moniliformis</i> ad	PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 128
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	14-Aug-2019	0 / 15	0 / 198
<i>Pneumocystis sp.</i> ac	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 172
<i>C. bovis</i> bde	PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 24
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	14-Aug-2019	0 / 15	0 / 118
<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 128
Helminths ade	Exam/PCR	RADS JPN	14-Aug-2019	0 / 15	0 / 154
Enteric Protozoa ade	Exam/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 91
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52

\* dashes indicate not tested during specified period





## Rat SPF/VAF Report

### Japan

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Charles River Laboratories Yokohama

Location

Hino H13 Rats

Health Status

SPF/VAF

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#### HOUSED STRAINS

**Outbred**

L/E

ZUC-FA/FA

ZUC-LEAN

**Inbred**

BN

LEWIS

PCK

ZDF FA/+

ZDF FA/FA

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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
<b>Virology</b>					
SEND ac	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 172
PVM ac	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 172
SDAV ace	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 176
KRV ac	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 172
H-1 ac	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 172
RPV ac	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 172
RMV ac	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 172
REO ac	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 172
RTV ac	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 172
LCMV ad	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52
HANT ad	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52
MAV ad	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52
<b>Microbiology</b>					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 128
CAR Bacillus ad	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 128
<i>H. bilis</i> ade	PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 55
<i>H. hepaticus</i> ade	PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 55
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 55
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 172
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 128
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 124
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 128
<i>S. moniliformis</i> ad	PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 128
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	14-Aug-2019	0 / 15	0 / 198
<i>Pneumocystis sp.</i> ac	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 172
<i>C. bovis</i> bde	PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 24
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	14-Aug-2019	0 / 15	0 / 118
<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 128
Helminths ade	Exam/PCR	RADS JPN	14-Aug-2019	0 / 15	0 / 154
Enteric Protozoa ade	Exam/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 91
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52

\* dashes indicate not tested during specified period



## **Rat SPF/VAF Report**

### **Japan**

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Charles River Laboratories Yokohama

*Location*

Hino H21 Rats

*Health Status*

SPF/VAF

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HOUSED STRAINS

**Outbred**

CD

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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
<b>Virology</b>					
SEND ac	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 172
PVM ac	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 172
MHV ace	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 176
MVM ac	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 172
MPV ac	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 172
MNV ace	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 176
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 172
REO ac	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 172
EDIM ac	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 172
LCMV ad	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52
ECTRO ad	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52
MAV ad	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52
MCMV ad	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52
K ad	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52
POLY ad	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52
HANT ad	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52
MTLV ad	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52
LDV ad	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 20
<b>Microbiology</b>					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 128
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 154
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 128
<i>H. bilis</i> ade	PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 56
<i>H. hepaticus</i> ade	PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 56
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 56
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 172
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 128
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 124
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 128
<i>S. moniliformis</i> ad	PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 128
CPIL ( <i>Tyzzers Disease</i> ) ac	Exam/MFIA/PCR	RADS JPN	14-Aug-2019	0 / 15	0 / 198
<i>C. bovis</i> bde	PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 24
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	14-Aug-2019	0 / 15	0 / 150
<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 128
Helminths ade	Exam/PCR	RADS JPN	14-Aug-2019	0 / 15	0 / 154



**charles river**  
**Mouse SPF/VAF Report**  
**Japan**

Charles River Laboratories Yokohama

*Location*  
Hino H22 Mice

*Health Status*  
SPF/VAF

<i>Summary Item</i>	<i>Method</i>	<i>Primary Lab</i>	<i>Most Recent</i>		<i>Past 18 Months</i>
			<i>Test Date</i>	<i>Positive / Tested</i>	<i>Positive / Tested</i>
<b>Parasitology</b>					
<i>Enteric Protozoa</i> <b>ade</b>	Exam/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 92
<i>E. cuniculi</i> <b>ad</b>	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52

\* dashes indicate not tested during specified period

HOUSED STRAINS

<b>Outbred</b>	<b>Inbred</b>	<b>Hybrid</b>
CD-1	C3H	B6C3F1
	C57BL/6N	BDF-1
	DBA/2	

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

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

## Mouse SPF/VAF Report

### Japan

Charles River Laboratories Yokohama

Location *Health Status*  
Tsukuba T21 Mice SPF/VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
<b>Virology</b>					
SEND ac	PCR	RADS JPN	06-Aug-2019	0 / 12	0 / 421
PVM ac	PCR	RADS JPN	06-Aug-2019	0 / 12	0 / 421
MHV ac	PCR	RADS JPN	06-Aug-2019	0 / 12	0 / 421
MVM ac	PCR	RADS JPN	06-Aug-2019	0 / 12	0 / 421
MPV ac	PCR	RADS JPN	06-Aug-2019	0 / 12	0 / 421
MNV ac	PCR	RADS JPN	06-Aug-2019	0 / 12	0 / 421
TMEV (GDVII) ac	PCR	RADS JPN	06-Aug-2019	0 / 12	0 / 421
REO ac	PCR	RADS JPN	06-Aug-2019	0 / 12	0 / 421
EDIM ac	PCR	RADS JPN	06-Aug-2019	0 / 12	0 / 421
LCMV a	PCR	RADS JPN	05-Aug-2019	0 / 16	0 / 186
ECTRO a	PCR	RADS JPN	05-Aug-2019	0 / 16	0 / 186
MAV a	PCR	RADS JPN	05-Aug-2019	0 / 16	0 / 186
MCMV a	PCR	RADS JPN	05-Aug-2019	0 / 16	0 / 186
K a	PCR	RADS JPN	05-Aug-2019	0 / 16	0 / 186
POLY a	PCR	RADS JPN	05-Aug-2019	0 / 16	0 / 186
HANT a	PCR	RADS JPN	05-Aug-2019	0 / 16	0 / 186
MTLV a	PCR	RADS JPN	05-Aug-2019	0 / 16	0 / 186
LDV ad	PCR	RADS JPN	05-Aug-2019	0 / 16	0 / 80
<b>Microbiology</b>					
<i>B. bronchiseptica</i> abc	Culture/PCR	RADS JPN	06-Aug-2019	0 / 55	0 / 960
<i>C. rodentium</i> abc	Culture/PCR	RADS JPN	06-Aug-2019	0 / 55	0 / 960
CAR <i>Bacillus</i> a	PCR	RADS JPN	05-Aug-2019	0 / 16	0 / 186
<i>C. kutscheri</i> abc	Culture/PCR	RADS JPN	06-Aug-2019	0 / 55	0 / 960
<i>H. bilis</i> a	PCR	RADS JPN	06-Aug-2019	0 / 12	0 / 331
<i>H. hepaticus</i> a	PCR	RADS JPN	06-Aug-2019	0 / 12	0 / 331
<i>Helicobacter</i> sp. a	PCR	RADS JPN	06-Aug-2019	0 / 12	0 / 331
<i>M. pulmonis</i> ac	PCR	RADS JPN	06-Aug-2019	0 / 12	0 / 507
<i>P. pneumotropica</i> abc	Culture/PCR	RADS JPN	06-Aug-2019	0 / 55	0 / 960
<i>P. aeruginosa</i> abc	Culture/PCR	RADS JPN	06-Aug-2019	0 / 55	0 / 960
<i>Salmonella</i> sp. abc	Culture/PCR	RADS JPN	06-Aug-2019	0 / 55	0 / 960
<i>Staph. aureus</i> abc	Culture/PCR	RADS JPN	06-Aug-2019	0 / 55	0 / 960
<i>S. moniliformis</i> a	PCR	RADS JPN	05-Aug-2019	0 / 16	0 / 272
<i>Strep. pneumoniae</i> abc	Culture/PCR	RADS JPN	06-Aug-2019	0 / 55	0 / 960
Beta <i>Strep.</i> sp. a	Culture/PCR	RADS JPN	05-Aug-2019	0 / 16	0 / 686
CPIL ( <i>Tyzzers Disease</i> ) ac	Exam/PCR	RADS JPN	06-Aug-2019	0 / 12	0 / 745
<i>Pneumocystis</i> sp. ac	PCR	RADS JPN	06-Aug-2019	0 / 12	0 / 421
<i>C. bovis</i> ac	PCR	RADS JPN	06-Aug-2019	0 / 12	0 / 139
<b>Pathology</b>					
Gross Exam ad	Exam	RADS JPN	05-Aug-2019	0 / 16	0 / 686



# 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
<b>Parasitology</b>					
<i>Ectoparasites</i> ade	Exam	RADS JPN	05-Aug-2019	0 / 16	0 / 686
<i>Helminths</i> ade	Exam	RADS JPN	05-Aug-2019	0 / 16	0 / 686
<i>Enteric Protozoa</i> ad	Exam	RADS JPN	05-Aug-2019	0 / 16	0 / 521
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 16	0 / 186

\* 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
<b>Virology</b>					
SEND ac	PCR	RADS JPN	13-Aug-2019	0 / 10	0 / 263
PVM ac	PCR	RADS JPN	13-Aug-2019	0 / 10	0 / 263
MHV ac	PCR	RADS JPN	13-Aug-2019	0 / 10	0 / 263
MVM ac	PCR	RADS JPN	13-Aug-2019	0 / 10	0 / 263
MPV ac	PCR	RADS JPN	13-Aug-2019	0 / 10	0 / 263
MNV ac	PCR	RADS JPN	13-Aug-2019	0 / 10	0 / 263
TMEV (GDVII) ac	PCR	RADS JPN	13-Aug-2019	0 / 10	0 / 263
REO ac	PCR	RADS JPN	13-Aug-2019	0 / 10	0 / 263
EDIM ac	PCR	RADS JPN	13-Aug-2019	0 / 10	0 / 263
LCMV a	PCR	RADS JPN	06-Aug-2019	0 / 12	0 / 106
ECTRO a	PCR	RADS JPN	06-Aug-2019	0 / 12	0 / 106
MAV a	PCR	RADS JPN	06-Aug-2019	0 / 12	0 / 106
MCMV a	PCR	RADS JPN	06-Aug-2019	0 / 12	0 / 106
K a	PCR	RADS JPN	06-Aug-2019	0 / 12	0 / 106
POLY a	PCR	RADS JPN	06-Aug-2019	0 / 12	0 / 106
HANT a	PCR	RADS JPN	06-Aug-2019	0 / 12	0 / 106
MTLV a	PCR	RADS JPN	06-Aug-2019	0 / 12	0 / 106
LDV ad	PCR	RADS JPN	06-Aug-2019	0 / 12	0 / 60
<b>Microbiology</b>					
<i>B. bronchiseptica</i> abc	Culture/PCR	RADS JPN	13-Aug-2019	0 / 45	0 / 760
<i>C. rodentium</i> abc	Culture/PCR	RADS JPN	13-Aug-2019	0 / 45	0 / 760
CAR <i>Bacillus</i> a	PCR	RADS JPN	06-Aug-2019	0 / 12	0 / 106
<i>C. kutscheri</i> abc	Culture/PCR	RADS JPN	13-Aug-2019	0 / 45	0 / 760
<i>H. bilis</i> a	PCR	RADS JPN	13-Aug-2019	0 / 10	0 / 258
<i>H. hepaticus</i> a	PCR	RADS JPN	13-Aug-2019	0 / 10	0 / 258
<i>Helicobacter</i> sp. a	PCR	RADS JPN	13-Aug-2019	0 / 10	0 / 258
<i>M. pulmonis</i> ac	PCR	RADS JPN	13-Aug-2019	0 / 10	0 / 371
<i>P. pneumotropica</i> abc	Culture/PCR	RADS JPN	13-Aug-2019	0 / 45	0 / 760
<i>P. aeruginosa</i> abc	Culture/PCR	RADS JPN	13-Aug-2019	0 / 45	0 / 760
<i>Salmonella</i> sp. abc	Culture/PCR	RADS JPN	13-Aug-2019	0 / 45	0 / 760
<i>Staph. aureus</i> abc	Culture/PCR	RADS JPN	13-Aug-2019	0 / 45	0 / 760
<i>S. moniliformis</i> a	PCR	RADS JPN	06-Aug-2019	0 / 12	0 / 214
<i>Strep. pneumoniae</i> abc	Culture/PCR	RADS JPN	13-Aug-2019	0 / 45	0 / 760
Beta <i>Strep.</i> sp. a	Culture/PCR	RADS JPN	06-Aug-2019	0 / 12	0 / 553
CPIL ( <i>Tyzzers Disease</i> ) ac	Exam/PCR	RADS JPN	13-Aug-2019	0 / 10	0 / 597
<i>Pneumocystis</i> sp. ac	PCR	RADS JPN	13-Aug-2019	0 / 10	0 / 263
<i>C. bovis</i> ac	PCR	RADS JPN	13-Aug-2019	0 / 10	0 / 100
<b>Pathology</b>					
Gross Exam ad	Exam	RADS JPN	06-Aug-2019	0 / 12	0 / 553





# 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
<b>Parasitology</b>					
<i>Ectoparasites ade</i>	Exam	RADS JPN	06-Aug-2019	0 / 12	0 / 553
<i>Helminths ade</i>	Exam	RADS JPN	06-Aug-2019	0 / 12	0 / 553
<i>Enteric Protozoa ad</i>	Exam	RADS JPN	06-Aug-2019	0 / 12	0 / 386
<i>E. cuniculi ad</i>	MFIA/PCR	RADS JPN	06-Aug-2019	0 / 12	0 / 106

\* 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
<b>Virology</b>					
SEND ac	PCR	RADS JPN	20-Aug-2019	0 / 12	0 / 344
PVM ac	PCR	RADS JPN	20-Aug-2019	0 / 12	0 / 344
MHV ac	PCR	RADS JPN	20-Aug-2019	0 / 12	0 / 344
MVM ac	PCR	RADS JPN	20-Aug-2019	0 / 12	0 / 344
MPV ac	PCR	RADS JPN	20-Aug-2019	0 / 12	0 / 344
MNV ac	PCR	RADS JPN	20-Aug-2019	0 / 12	0 / 344
TMEV (GDVII) ac	PCR	RADS JPN	20-Aug-2019	0 / 12	0 / 344
REO ac	PCR	RADS JPN	20-Aug-2019	0 / 12	0 / 344
EDIM ac	PCR	RADS JPN	20-Aug-2019	0 / 12	0 / 344
LCMV a	PCR	RADS JPN	07-Aug-2019	0 / 16	0 / 146
ECTRO a	PCR	RADS JPN	07-Aug-2019	0 / 16	0 / 146
MAV a	PCR	RADS JPN	07-Aug-2019	0 / 16	0 / 146
MCMV a	PCR	RADS JPN	07-Aug-2019	0 / 16	0 / 146
K a	PCR	RADS JPN	07-Aug-2019	0 / 16	0 / 146
POLY a	PCR	RADS JPN	07-Aug-2019	0 / 16	0 / 146
HANT a	PCR	RADS JPN	07-Aug-2019	0 / 16	0 / 146
MTLV a	PCR	RADS JPN	07-Aug-2019	0 / 16	0 / 146
LDV ad	PCR	RADS JPN	07-Aug-2019	0 / 16	0 / 84
<b>Microbiology</b>					
<i>B. bronchiseptica</i> abc	Culture/PCR	RADS JPN	20-Aug-2019	0 / 57	0 / 968
<i>C. rodentium</i> abc	Culture/PCR	RADS JPN	20-Aug-2019	0 / 57	0 / 968
CAR <i>Bacillus</i> a	PCR	RADS JPN	07-Aug-2019	0 / 16	0 / 146
<i>C. kutscheri</i> abc	Culture/PCR	RADS JPN	20-Aug-2019	0 / 57	0 / 968
<i>H. bilis</i> a	PCR	RADS JPN	20-Aug-2019	0 / 12	0 / 329
<i>H. hepaticus</i> a	PCR	RADS JPN	20-Aug-2019	0 / 12	0 / 329
<i>Helicobacter</i> sp. a	PCR	RADS JPN	20-Aug-2019	0 / 12	0 / 329
<i>M. pulmonis</i> ac	PCR	RADS JPN	20-Aug-2019	0 / 12	0 / 468
<i>P. pneumotropica</i> abc	Culture/PCR	RADS JPN	20-Aug-2019	0 / 57	0 / 968
<i>P. aeruginosa</i> abc	Culture/PCR	RADS JPN	20-Aug-2019	0 / 57	0 / 968
<i>Salmonella</i> sp. abc	Culture/PCR	RADS JPN	20-Aug-2019	0 / 57	0 / 968
<i>Staph. aureus</i> abc	Culture/PCR	RADS JPN	20-Aug-2019	0 / 57	0 / 968
<i>S. moniliformis</i> a	PCR	RADS JPN	07-Aug-2019	0 / 16	0 / 270
<i>Strep. pneumoniae</i> abc	Culture/PCR	RADS JPN	20-Aug-2019	0 / 57	0 / 968
Beta <i>Strep.</i> sp. a	Culture/PCR	RADS JPN	07-Aug-2019	0 / 16	0 / 687
CPIL ( <i>Tyzzers Disease</i> ) ac	Exam/PCR	RADS JPN	20-Aug-2019	0 / 12	0 / 746
<i>Pneumocystis</i> sp. ac	PCR	RADS JPN	20-Aug-2019	0 / 12	0 / 344
<i>C. bovis</i> ac	PCR	RADS JPN	20-Aug-2019	0 / 12	0 / 143
<b>Pathology</b>					
Gross Exam ad	Exam	RADS JPN	07-Aug-2019	0 / 16	0 / 687



# 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
<b>Parasitology</b>					
<i>Ectoparasites</i> ade	Exam	RADS JPN	07-Aug-2019	0 / 16	0 / 687
<i>Helminths</i> ade	Exam	RADS JPN	07-Aug-2019	0 / 16	0 / 687
<i>Enteric Protozoa</i> ad	Exam	RADS JPN	07-Aug-2019	0 / 16	0 / 487
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 16	0 / 146

\* 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;  
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