

2019年9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9月度)

試験責任者：モニタリングセンター  
マネジャー 丸山滋



## Mouse SPF/VAF Report

### Japan

Charles River Laboratories Yokohama

Location *Health Status*  
Atsugi A11 Mice SPF/VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
<b>Virology</b>					
SEND ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 172
PVM ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 172
MHV ace	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 177
MVM ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 172
MPV ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 172
MNV ace	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 177
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 172
REO ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 172
EDIM ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	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	28-Aug-2019	0 / 1	0 / 149
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 167
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	28-Aug-2019	0 / 1	0 / 149
<i>H. bilis</i> ade	PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 75
<i>H. hepaticus</i> ade	PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 75
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 75
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 190
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 149
<i>P. aeruginosa</i> ade	Culture/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 149
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 149
<i>Staph. aureus</i> ade	Culture/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 149
<i>S. moniliformis</i> ad	PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 70
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 149
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 226
<i>Pneumocystis</i> sp. ad	PCR	RADS JPN	05-Aug-2019	0 / 5	0 / 26
<i>C. bovis</i> ade	PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 35
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	05-Aug-2019	0 / 15	0 / 162



# 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 ade</i>	Exam/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 149
<i>Helminths ade</i>	Exam/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 167
<i>Enteric Protozoa ade</i>	Exam/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 113
<i>E. cuniculi ad</i>	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	02-Sep-2019	0 / 16	0 / 172
PVM ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 172
MHV ace	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 177
MVM ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 172
MPV ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 172
MNV ace	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 177
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 172
REO ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 172
EDIM ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	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	28-Aug-2019	0 / 1	0 / 149
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 167
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	28-Aug-2019	0 / 1	0 / 149
<i>H. bilis</i> ade	PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 75
<i>H. hepaticus</i> ade	PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 75
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 75
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 190
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 149
<i>P. aeruginosa</i> ade	Culture/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 149
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 149
<i>Staph. aureus</i> ade	Culture/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 149
<i>S. moniliformis</i> ad	PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 70
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 149
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 226
<i>Pneumocystis</i> sp. ad	PCR	RADS JPN	05-Aug-2019	0 / 5	0 / 26
<i>C. bovis</i> ade	PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 35
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	05-Aug-2019	0 / 15	0 / 162



# 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	28-Aug-2019	0 / 1	0 / 149
<i>Helminths</i> ade	Exam/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 167
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 113
<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	02-Sep-2019	0 / 16	0 / 172
PVM ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 172
MHV ace	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 177
MVM ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 172
MPV ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 172
MNV ace	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 177
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 172
REO ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 172
EDIM ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	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	28-Aug-2019	0 / 1	0 / 113
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 139
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	28-Aug-2019	0 / 1	0 / 113
<i>H. bilis</i> ade	PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 57
<i>H. hepaticus</i> ade	PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 57
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 57
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 172
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 113
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 108
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 113
<i>S. moniliformis</i> ad	PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 113
CPIL ( <i>Tyzzers Disease</i> ) ac	Exam/MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 198
<i>C. bovis</i> bde	PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 25

<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	05-Aug-2019	0 / 15	0 / 134

<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 113
Helminths ade	Exam/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 139



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

Charles River Laboratories Yokohama

*Location*  
 Atsugi A13 Mice

*Health Status*  
 SPF/VAF

<i>Summary Item</i>	<i>Method</i>	<i>Primary Lab</i>	<i>Most Recent</i>		<i>Past 18 Months</i>
			<i>Test Date</i>	<i>Positive / Tested</i>	<i>Positive / Tested</i>
<b>Parasitology</b>					
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 85
<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	02-Sep-2019	0 / 16	0 / 172
PVM ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 172
MHV ace	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 177
MVM ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 172
MPV ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 172
MNV ace	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 177
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 172
REO ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 172
EDIM ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	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	28-Aug-2019	0 / 1	0 / 113
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 139
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	28-Aug-2019	0 / 1	0 / 113
<i>H. bilis</i> ade	PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 57
<i>H. hepaticus</i> ade	PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 57
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 57
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 172
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 113
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 108
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 113
<i>S. moniliformis</i> ad	PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 113
CPIL ( <i>Tyzzers Disease</i> ) ac	Exam/MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 198
<i>C. bovis</i> bde	PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 25
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	05-Aug-2019	0 / 15	0 / 134
<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 113
Helminths ade	Exam/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 139





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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>					
Enteric Protozoa ade	Exam/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 85
<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

Location	Health Status
Atsugi A15 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	02-Sep-2019	0 / 16	0 / 172
PVM ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 172
MHV ace	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 177
MVM ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 172
MPV ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 172
MNV ace	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 177
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 172
REO ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 172
EDIM ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	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	28-Aug-2019	0 / 1	0 / 113
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 139
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	28-Aug-2019	0 / 1	0 / 113
<i>H. bilis</i> ade	PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 57
<i>H. hepaticus</i> ade	PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 57
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 57
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 172
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 113
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 108
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 113
<i>S. moniliformis</i> ad	PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 113
CPIL ( <i>Tyzzers Disease</i> ) ac	Exam/MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 198
<i>C. bovis</i> bde	PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 25
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	05-Aug-2019	0 / 15	0 / 134
<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 113
Helminths ade	Exam/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 139



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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	28-Aug-2019	0 / 1	0 / 85
<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	09-Sep-2019	0 / 16	0 / 92
PVM ac	MFIA/PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 92
SDAV ace	MFIA/PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 97
KRV ac	MFIA/PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 92
H-1 ac	MFIA/PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 92
RPV ac	MFIA/PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 92
RMV ac	MFIA/PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 92
REO ac	MFIA/PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 92
RTV ac	MFIA/PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 92
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	28-Aug-2019	0 / 1	0 / 33
CAR Bacillus ad	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 20
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 33
<i>H. bilis</i> ade	PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 25
<i>H. hepaticus</i> ade	PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 25
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 25
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 92
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 33
<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	28-Aug-2019	0 / 1	0 / 33
<i>S. moniliformis</i> ad	PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 20
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 33
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 102
<i>Pneumocystis sp.</i> ac	MFIA/PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 92
<i>C. bovis</i> bde	PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 25
<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	28-Aug-2019	0 / 1	0 / 33
Helminths ade	Exam/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 43
Enteric Protozoa ade	Exam/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 29
<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	09-Sep-2019	0 / 16	0 / 172
PVM ac	MFIA/PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 172
MHV ace	MFIA/PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 177
MVM ac	MFIA/PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 172
MPV ac	MFIA/PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 172
MNV ace	MFIA/PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 177
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 172
REO ac	MFIA/PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 172
EDIM ac	MFIA/PCR	RADS JPN	09-Sep-2019	0 / 16	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	28-Aug-2019	0 / 1	0 / 113
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 139
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	28-Aug-2019	0 / 1	0 / 113
<i>H. bilis</i> ade	PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 57
<i>H. hepaticus</i> ade	PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 57
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 57
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 172
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 113
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 108
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 113
<i>S. moniliformis</i> ad	PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 52
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 113
CPIL ( <i>Tyzzers Disease</i> ) ac	Exam/MFIA/PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 198
<i>C. bovis</i> bde	PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 25
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	07-Aug-2019	0 / 15	0 / 134
<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 113
Helminths ade	Exam/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 139



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

Charles River Laboratories Yokohama

Location *Health Status*  
 Atsugi A23 Mice SPF/VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
<b>Parasitology</b>					
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 85
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 52

\* 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	02-Sep-2019	0 / 16	0 / 42
PVM ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 42
MHV ace	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 45
MVM ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 42
MPV ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 42
MNV ace	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 45
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 42
REO ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 42
EDIM ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 42
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	28-Aug-2019	0 / 1	0 / 37
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 42
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	28-Aug-2019	0 / 1	0 / 37
<i>H. bilis</i> ade	PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 37
<i>H. hepaticus</i> ade	PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 37
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 37
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 50
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 37
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 34
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 37
<i>S. moniliformis</i> ad	PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 34
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 37
CPIL ( <i>Tyzzers Disease</i> ) ac	Exam/MFIA/PCR	RADS JPN	02-Sep-2019	0 / 16	0 / 55
<i>C. bovis</i> bde	PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 13
<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	28-Aug-2019	0 / 1	0 / 37
Helminths ade	Exam/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 42





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</i> ade	Exam/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 29
<i>E. cuniculi</i> ad	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	09-Sep-2019	0 / 16	0 / 68
PVM ac	MFIA/PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 68
MHV ace	MFIA/PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 73
MVM ac	MFIA/PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 68
MPV ac	MFIA/PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 68
MNV ace	MFIA/PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 73
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 68
REO ac	MFIA/PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 68
EDIM ac	MFIA/PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 68
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	28-Aug-2019	0 / 1	0 / 25
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 35
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	28-Aug-2019	0 / 1	0 / 25
<i>H. bilis</i> ade	PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 25
<i>H. hepaticus</i> ade	PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 25
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 25
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 68
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 25
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 20
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 25
<i>S. moniliformis</i> ad	PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 20
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 25
CPIL ( <i>Tyzzers Disease</i> ) ac	Exam/MFIA/PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 78
<i>C. bovis</i> bde	PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 15
<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	28-Aug-2019	0 / 1	0 / 25
Helminths ade	Exam/PCR	RADS JPN	28-Aug-2019	0 / 1	0 / 35



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	28-Aug-2019	0 / 1	0 / 25
<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
Hino H11 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	04-Sep-2019	0 / 16	0 / 172
PVM ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 172
SDAV ace	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 177
KRV ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 172
H-1 ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 172
RPV ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 172
RMV ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 172
REO ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 172
RTV ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	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	29-Aug-2019	0 / 1	0 / 113
CAR Bacillus ad	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 113
<i>H. bilis</i> ade	PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 57
<i>H. hepaticus</i> ade	PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 57
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 57
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 172
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 113
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 108
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 113
<i>S. moniliformis</i> ad	PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 113
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 198
<i>Pneumocystis sp.</i> ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 172
<i>C. bovis</i> bde	PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 25
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	14-Aug-2019	0 / 15	0 / 110
<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 113
Helminths ade	Exam/PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 139
Enteric Protozoa ade	Exam/PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 85
<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 *Health Status*  
Hino H12 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	04-Sep-2019	0 / 16	0 / 172
PVM ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 172
MHV ace	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 177
MVM ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 172
MPV ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 172
MNV ace	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 177
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 172
REO ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 172
EDIM ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	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	29-Aug-2019	0 / 1	0 / 113
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 139
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	29-Aug-2019	0 / 1	0 / 113
<i>H. bilis</i> ade	PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 57
<i>H. hepaticus</i> ade	PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 57
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 57
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 172
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 113
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	20-Aug-2019	0 / 10	0 / 108
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 113
<i>S. moniliformis</i> ad	PCR	RADS JPN	20-Aug-2019	0 / 10	0 / 52
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 113
CPIL ( <i>Tyzzers Disease</i> ) ac	Exam/MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 198
<i>C. bovis</i> bde	PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 25
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	20-Aug-2019	0 / 15	0 / 134
<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 113
Helminths ade	Exam/PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 139



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	29-Aug-2019	0 / 1	0 / 85
<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	04-Sep-2019	0 / 16	0 / 172
PVM ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 172
SDAV ace	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 177
KRV ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 172
H-1 ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 172
RPV ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 172
RMV ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 172
REO ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 172
RTV ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	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	29-Aug-2019	0 / 1	0 / 113
CAR Bacillus ad	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 113
<i>H. bilis</i> ade	PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 57
<i>H. hepaticus</i> ade	PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 57
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 57
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 172
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 113
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 108
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 113
<i>S. moniliformis</i> ad	PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 113
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 198
<i>Pneumocystis sp.</i> ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 172
<i>C. bovis</i> bde	PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 25
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	14-Aug-2019	0 / 15	0 / 110
<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 113
Helminths ade	Exam/PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 139
Enteric Protozoa ade	Exam/PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 85
<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: Hino H21 Rats      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	04-Sep-2019	0 / 16	0 / 172
PVM ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 172
SDAV ace	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 177
KRV ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 172
H-1 ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 172
RPV ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 172
RMV ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 172
REO ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 172
RTV ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	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	29-Aug-2019	0 / 1	0 / 113
CAR Bacillus ad	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 113
<i>H. bilis</i> ade	PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 57
<i>H. hepaticus</i> ade	PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 57
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 57
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 172
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 113
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 108
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 113
<i>S. moniliformis</i> ad	PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 113
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 198
<i>Pneumocystis sp.</i> ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 172
<i>C. bovis</i> bde	PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 25
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	14-Aug-2019	0 / 15	0 / 110
<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 113
Helminths ade	Exam/PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 139
Enteric Protozoa ade	Exam/PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 85
<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	04-Sep-2019	0 / 16	0 / 172
PVM ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 172
MHV ace	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 177
MVM ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 172
MPV ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 172
MNV ace	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 177
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 172
REO ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 172
EDIM ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	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	29-Aug-2019	0 / 1	0 / 113
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 139
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	29-Aug-2019	0 / 1	0 / 113
<i>H. bilis</i> ade	PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 57
<i>H. hepaticus</i> ade	PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 57
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 57
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 172
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 113
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 108
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 113
<i>S. moniliformis</i> ad	PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 113
CPIL ( <i>Tyzzers Disease</i> ) ac	Exam/MFIA/PCR	RADS JPN	04-Sep-2019	0 / 16	0 / 198
<i>C. bovis</i> bde	PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 25
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	14-Aug-2019	0 / 15	0 / 134
<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 113
Helminths ade	Exam/PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 139



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
<b>Parasitology</b>					
<i>Enteric Protozoa</i> <b>ade</b>	Exam/PCR	RADS JPN	29-Aug-2019	0 / 1	0 / 85
<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

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

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

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

## Mouse SPF/VAF Report

### Japan

Charles River Laboratories Yokohama

Location	Health Status
Tsukuba T21 Mice	SPF/VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
<b>Virology</b>					
SEND ac	PCR	RADS JPN	03-Sep-2019	0 / 12	0 / 403
PVM ac	PCR	RADS JPN	03-Sep-2019	0 / 12	0 / 403
MHV ac	PCR	RADS JPN	03-Sep-2019	0 / 12	0 / 403
MVM ac	PCR	RADS JPN	03-Sep-2019	0 / 12	0 / 403
MPV ac	PCR	RADS JPN	03-Sep-2019	0 / 12	0 / 403
MNV ac	PCR	RADS JPN	03-Sep-2019	0 / 12	0 / 403
TMEV (GDVII) ac	PCR	RADS JPN	03-Sep-2019	0 / 12	0 / 403
REO ac	PCR	RADS JPN	03-Sep-2019	0 / 12	0 / 403
EDIM ac	PCR	RADS JPN	03-Sep-2019	0 / 12	0 / 403
LCMV a	PCR	RADS JPN	02-Sep-2019	0 / 12	0 / 175
ECTRO a	PCR	RADS JPN	02-Sep-2019	0 / 12	0 / 175
MAV a	PCR	RADS JPN	02-Sep-2019	0 / 12	0 / 175
MCMV a	PCR	RADS JPN	02-Sep-2019	0 / 12	0 / 175
K a	PCR	RADS JPN	02-Sep-2019	0 / 12	0 / 175
POLY a	PCR	RADS JPN	02-Sep-2019	0 / 12	0 / 175
HANT a	PCR	RADS JPN	02-Sep-2019	0 / 12	0 / 175
MTLV a	PCR	RADS JPN	02-Sep-2019	0 / 12	0 / 175
LDV ad	PCR	RADS JPN	02-Sep-2019	0 / 12	0 / 92

<b>Microbiology</b>					
<i>B. bronchiseptica</i> abc	Culture/PCR	RADS JPN	03-Sep-2019	0 / 56	0 / 956
<i>C. rodentium</i> abc	Culture/PCR	RADS JPN	03-Sep-2019	0 / 56	0 / 956
CAR <i>Bacillus</i> a	PCR	RADS JPN	02-Sep-2019	0 / 12	0 / 175
<i>C. kutscheri</i> abc	Culture/PCR	RADS JPN	03-Sep-2019	0 / 56	0 / 956
<i>H. bilis</i> a	PCR	RADS JPN	03-Sep-2019	0 / 12	0 / 322
<i>H. hepaticus</i> a	PCR	RADS JPN	03-Sep-2019	0 / 12	0 / 322
<i>Helicobacter</i> sp. a	PCR	RADS JPN	03-Sep-2019	0 / 12	0 / 322
<i>M. pulmonis</i> ac	PCR	RADS JPN	03-Sep-2019	0 / 12	0 / 479
<i>P. pneumotropica</i> abc	Culture/PCR	RADS JPN	03-Sep-2019	0 / 56	0 / 956
<i>P. aeruginosa</i> abc	Culture/PCR	RADS JPN	03-Sep-2019	0 / 56	0 / 956
<i>Salmonella</i> sp. abc	Culture/PCR	RADS JPN	03-Sep-2019	0 / 56	0 / 956
<i>Staph. aureus</i> abc	Culture/PCR	RADS JPN	03-Sep-2019	0 / 56	0 / 956
<i>S. moniliformis</i> a	PCR	RADS JPN	02-Sep-2019	0 / 12	0 / 251
<i>Strep. pneumoniae</i> abc	Culture/PCR	RADS JPN	03-Sep-2019	0 / 56	0 / 956
Beta <i>Strep.</i> sp. a	Culture/PCR	RADS JPN	02-Sep-2019	0 / 12	0 / 626
CPIL ( <i>Tyzzers Disease</i> ) ac	Exam/PCR	RADS JPN	03-Sep-2019	0 / 12	0 / 697
<i>Pneumocystis</i> sp. ac	PCR	RADS JPN	03-Sep-2019	0 / 12	0 / 403
<i>C. bovis</i> ac	PCR	RADS JPN	03-Sep-2019	0 / 12	0 / 163

<b>Pathology</b>					
Gross Exam ad	Exam	RADS JPN	02-Sep-2019	0 / 12	0 / 626



# 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	02-Sep-2019	0 / 12	0 / 626
<i>Helminths</i> ade	Exam	RADS JPN	02-Sep-2019	0 / 12	0 / 626
<i>Enteric Protozoa</i> ad	Exam	RADS JPN	02-Sep-2019	0 / 12	0 / 476
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	02-Sep-2019	0 / 12	0 / 175

\* 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	10-Sep-2019	0 / 9	0 / 269
PVM ac	PCR	RADS JPN	10-Sep-2019	0 / 9	0 / 269
MHV ac	PCR	RADS JPN	10-Sep-2019	0 / 9	0 / 269
MVM ac	PCR	RADS JPN	10-Sep-2019	0 / 9	0 / 269
MPV ac	PCR	RADS JPN	10-Sep-2019	0 / 9	0 / 269
MNV ac	PCR	RADS JPN	10-Sep-2019	0 / 9	0 / 269
TMEV (GDVII) ac	PCR	RADS JPN	10-Sep-2019	0 / 9	0 / 269
REO ac	PCR	RADS JPN	10-Sep-2019	0 / 9	0 / 269
EDIM ac	PCR	RADS JPN	10-Sep-2019	0 / 9	0 / 269
LCMV a	PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 116
ECTRO a	PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 116
MAV a	PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 116
MCMV a	PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 116
K a	PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 116
POLY a	PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 116
HANT a	PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 116
MTLV a	PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 116
LDV ad	PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 76
<b>Microbiology</b>					
<i>B. bronchiseptica</i> abc	Culture/PCR	RADS JPN	10-Sep-2019	0 / 43	0 / 746
<i>C. rodentium</i> abc	Culture/PCR	RADS JPN	10-Sep-2019	0 / 43	0 / 746
CAR Bacillus a	PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 116
<i>C. kutscheri</i> abc	Culture/PCR	RADS JPN	10-Sep-2019	0 / 43	0 / 746
<i>H. bilis</i> a	PCR	RADS JPN	10-Sep-2019	0 / 9	0 / 249
<i>H. hepaticus</i> a	PCR	RADS JPN	10-Sep-2019	0 / 9	0 / 249
<i>Helicobacter sp.</i> a	PCR	RADS JPN	10-Sep-2019	0 / 9	0 / 249
<i>M. pulmonis</i> ac	PCR	RADS JPN	10-Sep-2019	0 / 9	0 / 349
<i>P. pneumotropica</i> abc	Culture/PCR	RADS JPN	10-Sep-2019	0 / 43	0 / 746
<i>P. aeruginosa</i> abc	Culture/PCR	RADS JPN	10-Sep-2019	0 / 43	0 / 746
<i>Salmonella sp.</i> abc	Culture/PCR	RADS JPN	10-Sep-2019	0 / 43	0 / 746
<i>Staph. aureus</i> abc	Culture/PCR	RADS JPN	10-Sep-2019	0 / 43	0 / 746
<i>S. moniliformis</i> a	PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 196
<i>Strep. pneumoniae</i> abc	Culture/PCR	RADS JPN	10-Sep-2019	0 / 43	0 / 746
Beta Strep. sp. a	Culture/PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 496
CPIL (Tyzzer's Disease) ac	Exam/PCR	RADS JPN	10-Sep-2019	0 / 9	0 / 549
<i>Pneumocystis sp.</i> ac	PCR	RADS JPN	10-Sep-2019	0 / 9	0 / 269
<i>C. bovis</i> ac	PCR	RADS JPN	10-Sep-2019	0 / 9	0 / 129
<b>Pathology</b>					
Gross Exam ad	Exam	RADS JPN	09-Sep-2019	0 / 16	0 / 496





# 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</i> ade	Exam	RADS JPN	09-Sep-2019	0 / 16	0 / 496
<i>Helminths</i> ade	Exam	RADS JPN	09-Sep-2019	0 / 16	0 / 496
<i>Enteric Protozoa</i> ad	Exam	RADS JPN	09-Sep-2019	0 / 16	0 / 356
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	09-Sep-2019	0 / 16	0 / 116

\* dashes indicate not tested during specified period

### HOUSED STRAINS

#### Other Strains

Congenic

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	17-Sep-2019	0 / 13	0 / 356
PVM ac	PCR	RADS JPN	17-Sep-2019	0 / 13	0 / 356
MHV ac	PCR	RADS JPN	17-Sep-2019	0 / 13	0 / 356
MVM ac	PCR	RADS JPN	17-Sep-2019	0 / 13	0 / 356
MPV ac	PCR	RADS JPN	17-Sep-2019	0 / 13	0 / 356
MNV ac	PCR	RADS JPN	17-Sep-2019	0 / 13	0 / 356
TMEV (GDVII) ac	PCR	RADS JPN	17-Sep-2019	0 / 13	0 / 356
REO ac	PCR	RADS JPN	17-Sep-2019	0 / 13	0 / 356
EDIM ac	PCR	RADS JPN	17-Sep-2019	0 / 13	0 / 356
LCMV a	PCR	RADS JPN	11-Sep-2019	0 / 16	0 / 145
ECTRO a	PCR	RADS JPN	11-Sep-2019	0 / 16	0 / 145
MAV a	PCR	RADS JPN	11-Sep-2019	0 / 16	0 / 145
MCMV a	PCR	RADS JPN	11-Sep-2019	0 / 16	0 / 145
K a	PCR	RADS JPN	11-Sep-2019	0 / 16	0 / 145
POLY a	PCR	RADS JPN	11-Sep-2019	0 / 16	0 / 145
HANT a	PCR	RADS JPN	11-Sep-2019	0 / 16	0 / 145
MTLV a	PCR	RADS JPN	11-Sep-2019	0 / 16	0 / 145
LDV ad	PCR	RADS JPN	11-Sep-2019	0 / 16	0 / 100
<b>Microbiology</b>					
<i>B. bronchiseptica</i> abc	Culture/PCR	RADS JPN	17-Sep-2019	0 / 58	0 / 991
<i>C. rodentium</i> abc	Culture/PCR	RADS JPN	17-Sep-2019	0 / 58	0 / 991
CAR <i>Bacillus</i> a	PCR	RADS JPN	11-Sep-2019	0 / 16	0 / 145
<i>C. kutscheri</i> abc	Culture/PCR	RADS JPN	17-Sep-2019	0 / 58	0 / 991
<i>H. bilis</i> a	PCR	RADS JPN	17-Sep-2019	0 / 13	0 / 307
<i>H. hepaticus</i> a	PCR	RADS JPN	17-Sep-2019	0 / 13	0 / 307
<i>Helicobacter</i> sp. a	PCR	RADS JPN	17-Sep-2019	0 / 13	0 / 307
<i>M. pulmonis</i> ac	PCR	RADS JPN	17-Sep-2019	0 / 13	0 / 446
<i>P. pneumotropica</i> abc	Culture/PCR	RADS JPN	17-Sep-2019	0 / 58	0 / 991
<i>P. aeruginosa</i> abc	Culture/PCR	RADS JPN	17-Sep-2019	0 / 58	0 / 991
<i>Salmonella</i> sp. abc	Culture/PCR	RADS JPN	17-Sep-2019	0 / 58	0 / 991
<i>Staph. aureus</i> abc	Culture/PCR	RADS JPN	17-Sep-2019	0 / 58	0 / 991
<i>S. moniliformis</i> a	PCR	RADS JPN	11-Sep-2019	0 / 16	0 / 235
<i>Strep. pneumoniae</i> abc	Culture/PCR	RADS JPN	17-Sep-2019	0 / 58	0 / 991
Beta <i>Strep.</i> sp. a	Culture/PCR	RADS JPN	11-Sep-2019	0 / 16	0 / 652
CPIL ( <i>Tyzzers Disease</i> ) ac	Exam/PCR	RADS JPN	17-Sep-2019	0 / 13	0 / 724
<i>Pneumocystis</i> sp. ac	PCR	RADS JPN	17-Sep-2019	0 / 13	0 / 356
<i>C. bovis</i> ac	PCR	RADS JPN	17-Sep-2019	0 / 13	0 / 172
<b>Pathology</b>					
Gross Exam ad	Exam	RADS JPN	11-Sep-2019	0 / 16	0 / 652



# 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	11-Sep-2019	0 / 16	0 / 652
<i>Helminths</i> ade	Exam	RADS JPN	11-Sep-2019	0 / 16	0 / 652
<i>Enteric Protozoa</i> ad	Exam	RADS JPN	11-Sep-2019	0 / 16	0 / 469
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	11-Sep-2019	0 / 16	0 / 145

\* dashes indicate not tested during specified period

### HOUSED STRAINS

#### Other Strains

Congenetic  
 NOD SCID  
 SCID BEIGE

COLONY POLICY FOR A POSITIVE RESULT: immediate termination

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