

2019年10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10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	07-Oct-2019	0 / 16	0 / 188
PVM ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 188
MHV ace	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 194
MVM ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 188
MPV ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 188
MNV ace	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 194
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 188
REO ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 188
EDIM ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 188
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	27-Sep-2019	0 / 1	0 / 138
C. rodentium ade	Culture/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 156
CAR Bacillus ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
C. kutscheri ade	Culture/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 138
H. bilis ade	PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 64
H. hepaticus ade	PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 64
Helicobacter sp. ade	PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 64
M. pulmonis ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 194
P. pneumotropica ade	Culture/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 138
P. aeruginosa ade	Culture/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 138
Salmonella sp. ade	Culture/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 138
Staph. aureus ade	Culture/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 138
S. moniliformis ad	PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 58
Strep. pneumoniae ade	Culture/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 138
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 230
Pneumocystis sp. ad	PCR	RADS JPN	05-Aug-2019	0 / 5	0 / 26
C. bovis ade	PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 36
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	05-Aug-2019	0 / 15	0 / 150



# 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	27-Sep-2019	0 / 1	0 / 138
<i>Helminths</i> ade	Exam/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 156
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 106
<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: Atsugi A12 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	07-Oct-2019	0 / 16	0 / 188
PVM ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 188
MHV ace	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 194
MVM ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 188
MPV ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 188
MNV ace	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 194
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 188
REO ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 188
EDIM ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 188
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	27-Sep-2019	0 / 1	0 / 138
C. rodentium ade	Culture/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 156
CAR Bacillus ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
C. kutscheri ade	Culture/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 138
H. bilis ade	PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 64
H. hepaticus ade	PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 64
Helicobacter sp. ade	PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 64
M. pulmonis ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 194
P. pneumotropica ade	Culture/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 138
P. aeruginosa ade	Culture/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 138
Salmonella sp. ade	Culture/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 138
Staph. aureus ade	Culture/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 138
S. moniliformis ad	PCR	RADS JPN	05-Aug-2019	0 / 15	0 / 58
Strep. pneumoniae ade	Culture/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 138
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 230
Pneumocystis sp. ad	PCR	RADS JPN	05-Aug-2019	0 / 5	0 / 26
C. bovis ade	PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 36
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	05-Aug-2019	0 / 15	0 / 150



# 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	27-Sep-2019	0 / 1	0 / 138
<i>Helminths</i> ade	Exam/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 156
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 106
<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: Atsugi A13 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	07-Oct-2019	0 / 16	0 / 188
PVM ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 188
MHV ace	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 194
MVM ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 188
MPV ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 188
MNV ace	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 194
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 188
REO ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 188
EDIM ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 188
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	27-Sep-2019	0 / 1	0 / 114
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 140
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	27-Sep-2019	0 / 1	0 / 114
<i>H. bilis</i> ade	PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 58
<i>H. hepaticus</i> ade	PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 58
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 58
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 188
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 114
<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	27-Sep-2019	0 / 1	0 / 114
<i>S. moniliformis</i> ad	PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 114
CPIL ( <i>Tyzzers Disease</i> ) ac	Exam/MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 214
<i>C. bovis</i> bde	PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 26
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	05-Aug-2019	0 / 15	0 / 142
<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 114
Helminths ade	Exam/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 140



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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	27-Sep-2019	0 / 1	0 / 86
<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: Atsugi A14 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	07-Oct-2019	0 / 16	0 / 188
PVM ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 188
MHV ace	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 194
MVM ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 188
MPV ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 188
MNV ace	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 194
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 188
REO ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 188
EDIM ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 188
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	27-Sep-2019	0 / 1	0 / 114
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 140
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	27-Sep-2019	0 / 1	0 / 114
<i>H. bilis</i> ade	PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 58
<i>H. hepaticus</i> ade	PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 58
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 58
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 188
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 114
<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	27-Sep-2019	0 / 1	0 / 114
<i>S. moniliformis</i> ad	PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 114
CPIL ( <i>Tyzzers Disease</i> ) ac	Exam/MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 214
<i>C. bovis</i> bde	PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 26
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	05-Aug-2019	0 / 15	0 / 142
<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 114
Helminths ade	Exam/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 140





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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	27-Sep-2019	0 / 1	0 / 86
<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	07-Oct-2019	0 / 16	0 / 188
PVM ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 188
MHV ace	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 194
MVM ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 188
MPV ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 188
MNV ace	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 194
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 188
REO ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 188
EDIM ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 188
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	27-Sep-2019	0 / 1	0 / 114
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 140
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	27-Sep-2019	0 / 1	0 / 114
<i>H. bilis</i> ade	PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 58
<i>H. hepaticus</i> ade	PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 58
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 58
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 188
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 114
<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	27-Sep-2019	0 / 1	0 / 114
<i>S. moniliformis</i> ad	PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 52
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 114
CPIL ( <i>Tyzzers Disease</i> ) ac	Exam/MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 214
<i>C. bovis</i> bde	PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 26

<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	05-Aug-2019	0 / 15	0 / 142

<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 114
Helminths ade	Exam/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 140



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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	27-Sep-2019	0 / 1	0 / 86
<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-Oct-2019	0 / 16	0 / 108
PVM ac	MFIA/PCR	RADS JPN	09-Oct-2019	0 / 16	0 / 108
SDAV ace	MFIA/PCR	RADS JPN	09-Oct-2019	0 / 16	0 / 114
KRV ac	MFIA/PCR	RADS JPN	09-Oct-2019	0 / 16	0 / 108
H-1 ac	MFIA/PCR	RADS JPN	09-Oct-2019	0 / 16	0 / 108
RPV ac	MFIA/PCR	RADS JPN	09-Oct-2019	0 / 16	0 / 108
RMV ac	MFIA/PCR	RADS JPN	09-Oct-2019	0 / 16	0 / 108
REO ac	MFIA/PCR	RADS JPN	09-Oct-2019	0 / 16	0 / 108
RTV ac	MFIA/PCR	RADS JPN	09-Oct-2019	0 / 16	0 / 108
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	27-Sep-2019	0 / 1	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	27-Sep-2019	0 / 1	0 / 34
<i>H. bilis</i> ade	PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 26
<i>H. hepaticus</i> ade	PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 26
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 26
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	09-Oct-2019	0 / 16	0 / 108
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 34
<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	27-Sep-2019	0 / 1	0 / 34
<i>S. moniliformis</i> ad	PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 20
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 34
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	09-Oct-2019	0 / 16	0 / 118
<i>Pneumocystis sp.</i> ac	MFIA/PCR	RADS JPN	09-Oct-2019	0 / 16	0 / 108
<i>C. bovis</i> bde	PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 26
<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	27-Sep-2019	0 / 1	0 / 34
Helminths ade	Exam/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 44
Enteric Protozoa ade	Exam/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 30
<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: Atsugi A23 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	09-Oct-2019	0 / 16	0 / 188
PVM ac	MFIA/PCR	RADS JPN	09-Oct-2019	0 / 16	0 / 188
MHV ace	MFIA/PCR	RADS JPN	09-Oct-2019	0 / 16	0 / 194
MVM ac	MFIA/PCR	RADS JPN	09-Oct-2019	0 / 16	0 / 188
MPV ac	MFIA/PCR	RADS JPN	09-Oct-2019	0 / 16	0 / 188
MNV ace	MFIA/PCR	RADS JPN	09-Oct-2019	0 / 16	0 / 194
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	09-Oct-2019	0 / 16	0 / 188
REO ac	MFIA/PCR	RADS JPN	09-Oct-2019	0 / 16	0 / 188
EDIM ac	MFIA/PCR	RADS JPN	09-Oct-2019	0 / 16	0 / 188
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	27-Sep-2019	0 / 1	0 / 114
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 140
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	27-Sep-2019	0 / 1	0 / 114
<i>H. bilis</i> ade	PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 58
<i>H. hepaticus</i> ade	PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 58
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 58
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	09-Oct-2019	0 / 16	0 / 188
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 114
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 108
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 114
<i>S. moniliformis</i> ad	PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 52
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 114
CPIL ( <i>Tyzzers Disease</i> ) ac	Exam/MFIA/PCR	RADS JPN	09-Oct-2019	0 / 16	0 / 214
<i>C. bovis</i> bde	PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 26
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	07-Aug-2019	0 / 15	0 / 142
<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 114
Helminths ade	Exam/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 140



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	27-Sep-2019	0 / 1	0 / 86
<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	07-Oct-2019	0 / 16	0 / 50
PVM ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 50
MHV ace	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 54
MVM ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 50
MPV ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 50
MNV ace	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 54
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 50
REO ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 50
EDIM ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 50
LCMV ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 18
ECTRO ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 18
MAV ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 18
MCMV ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 18
K ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 18
POLY ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 18
HANT ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 18
MTLV ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 18
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	27-Sep-2019	0 / 1	0 / 26
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 31
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 18
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 26
<i>H. bilis</i> ade	PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 26
<i>H. hepaticus</i> ade	PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 26
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 26
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 54
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 26
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 22
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 26
<i>S. moniliformis</i> ad	PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 22
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 26
CPIL ( <i>Tyzzers Disease</i> ) ac	Exam/MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 59
<i>C. bovis</i> bde	PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 14
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	05-Aug-2019	0 / 15	0 / 27
<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 26
Helminths ade	Exam/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 31





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	27-Sep-2019	0 / 1	0 / 26
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	05-Aug-2019	0 / 10	0 / 18

\* 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: Atsugi A25 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	09-Oct-2019	0 / 16	0 / 84
PVM ac	MFIA/PCR	RADS JPN	09-Oct-2019	0 / 16	0 / 84
MHV ace	MFIA/PCR	RADS JPN	09-Oct-2019	0 / 16	0 / 90
MVM ac	MFIA/PCR	RADS JPN	09-Oct-2019	0 / 16	0 / 84
MPV ac	MFIA/PCR	RADS JPN	09-Oct-2019	0 / 16	0 / 84
MNV ace	MFIA/PCR	RADS JPN	09-Oct-2019	0 / 16	0 / 90
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	09-Oct-2019	0 / 16	0 / 84
REO ac	MFIA/PCR	RADS JPN	09-Oct-2019	0 / 16	0 / 84
EDIM ac	MFIA/PCR	RADS JPN	09-Oct-2019	0 / 16	0 / 84
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	27-Sep-2019	0 / 1	0 / 26
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 36
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	27-Sep-2019	0 / 1	0 / 26
<i>H. bilis</i> ade	PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 26
<i>H. hepaticus</i> ade	PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 26
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 26
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	09-Oct-2019	0 / 16	0 / 84
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 26
<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	27-Sep-2019	0 / 1	0 / 26
<i>S. moniliformis</i> ad	PCR	RADS JPN	07-Aug-2019	0 / 10	0 / 20
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 26
CPIL ( <i>Tyzzers Disease</i> ) ac	Exam/MFIA/PCR	RADS JPN	09-Oct-2019	0 / 16	0 / 94
<i>C. bovis</i> bde	PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 16
<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	27-Sep-2019	0 / 1	0 / 26
Helminths ade	Exam/PCR	RADS JPN	27-Sep-2019	0 / 1	0 / 36



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	27-Sep-2019	0 / 1	0 / 26
<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	Most Recent Positive / Tested	Past 18 Months Positive / Tested
Hino H11 Rats	SPF/VAF						
<b>Virology</b>							
	SEND ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188	
	PVM ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188	
	SDAV ace	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 194	
	KRV ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188	
	H-1 ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188	
	RPV ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188	
	RMV ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188	
	REO ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188	
	RTV ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188	
	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	19-Sep-2019	0 / 1	0 / 114	
	CAR Bacillus ad	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52	
	<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 114	
	<i>H. bilis</i> ade	PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 58	
	<i>H. hepaticus</i> ade	PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 58	
	<i>Helicobacter sp.</i> ade	PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 58	
	<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188	
	<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 114	
	<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	19-Sep-2019	0 / 1	0 / 114	
	<i>S. moniliformis</i> ad	PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52	
	<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 114	
	CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 214	
	<i>Pneumocystis sp.</i> ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188	
	<i>C. bovis</i> bde	PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 26	
<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	19-Sep-2019	0 / 1	0 / 114	
	Helminths ade	Exam/PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 140	
	Enteric Protozoa ade	Exam/PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 86	
	<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	02-Oct-2019	0 / 16	0 / 188
PVM ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188
MHV ace	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 194
MVM ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188
MPV ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188
MNV ace	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 194
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188
REO ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188
EDIM ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188
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	19-Sep-2019	0 / 1	0 / 114
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 140
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	19-Sep-2019	0 / 1	0 / 114
<i>H. bilis</i> ade	PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 58
<i>H. hepaticus</i> ade	PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 58
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 58
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 114
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	20-Aug-2019	0 / 10	0 / 108
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 114
<i>S. moniliformis</i> ad	PCR	RADS JPN	20-Aug-2019	0 / 10	0 / 52
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 114
CPIL ( <i>Tyzzers Disease</i> ) ac	Exam/MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 214
<i>C. bovis</i> bde	PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 26

<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	19-Sep-2019	0 / 1	0 / 114
Helminths ade	Exam/PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 140



charles river  
**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>Parasitology</b>					
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 86
<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		Summary Item				
			Method	Primary Lab	Test Date	Most Recent Positive / Tested	Past 18 Months Positive / Tested
Hino H13 Rats	SPF/VAF						
<b>Virology</b>							
	SEND ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188	
	PVM ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188	
	SDAV ace	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 196	
	KRV ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188	
	H-1 ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188	
	RPV ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188	
	RMV ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188	
	REO ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188	
	RTV ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188	
	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	19-Sep-2019	0 / 1	0 / 114	
	CAR Bacillus ad	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52	
	<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 114	
	<i>H. bilis</i> ade	PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 58	
	<i>H. hepaticus</i> ade	PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 58	
	<i>Helicobacter sp.</i> ade	PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 58	
	<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188	
	<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 114	
	<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	19-Sep-2019	0 / 1	0 / 114	
	<i>S. moniliformis</i> ad	PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52	
	<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 114	
	CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 214	
	<i>Pneumocystis sp.</i> ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188	
	<i>C. bovis</i> bde	PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 26	
<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	19-Sep-2019	0 / 1	0 / 114	
	Helminths ade	Exam/PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 140	
	Enteric Protozoa ade	Exam/PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 86	
	<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		Summary Item				
			Method	Primary Lab	Test Date	Most Recent Positive / Tested	Past 18 Months Positive / Tested
Hino H21 Rats	SPF/VAF						
<b>Virology</b>							
	SEND ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188	
	PVM ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188	
	SDAV ace	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 196	
	KRV ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188	
	H-1 ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188	
	RPV ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188	
	RMV ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188	
	REO ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188	
	RTV ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188	
	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	19-Sep-2019	0 / 1	0 / 114	
	CAR Bacillus ad	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52	
	<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 114	
	<i>H. bilis</i> ade	PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 58	
	<i>H. hepaticus</i> ade	PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 58	
	<i>Helicobacter sp.</i> ade	PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 58	
	<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188	
	<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 114	
	<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	19-Sep-2019	0 / 1	0 / 114	
	<i>S. moniliformis</i> ad	PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52	
	<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 114	
	CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 214	
	<i>Pneumocystis sp.</i> ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188	
	<i>C. bovis</i> bde	PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 26	
<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	19-Sep-2019	0 / 1	0 / 114	
	Helminths ade	Exam/PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 140	
	Enteric Protozoa ade	Exam/PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 86	
	<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: Hino H22 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	02-Oct-2019	0 / 16	0 / 188
PVM ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188
MHV ace	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 194
MVM ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188
MPV ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188
MNV ace	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 194
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188
REO ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188
EDIM ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188
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>					
B. bronchiseptica ade	Culture/PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 114
C. rodentium ade	Culture/PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 140
CAR Bacillus ad	MFIA/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52
C. kutscheri ade	Culture/PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 114
H. bilis ade	PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 58
H. hepaticus ade	PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 58
Helicobacter sp. ade	PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 58
M. pulmonis ac	MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 188
P. pneumotropica ade	Culture/PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 114
P. aeruginosa bd	Culture/PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 108
Salmonella sp. ade	Culture/PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 114
S. moniliformis ad	PCR	RADS JPN	14-Aug-2019	0 / 10	0 / 52
Strep. pneumoniae ade	Culture/PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 114
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	02-Oct-2019	0 / 16	0 / 214
C. bovis bde	PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 26
<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	19-Sep-2019	0 / 1	0 / 114
Helminths ade	Exam/PCR	RADS JPN	19-Sep-2019	0 / 1	0 / 140



**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	19-Sep-2019	0 / 1	0 / 86
<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	01-Oct-2019	0 / 25	0 / 405
PVM ac	PCR	RADS JPN	01-Oct-2019	0 / 25	0 / 405
MHV ac	PCR	RADS JPN	01-Oct-2019	0 / 25	0 / 405
MVM ac	PCR	RADS JPN	01-Oct-2019	0 / 25	0 / 405
MPV ac	PCR	RADS JPN	01-Oct-2019	0 / 25	0 / 405
MNV ac	PCR	RADS JPN	01-Oct-2019	0 / 25	0 / 405
TMEV (GDVII) ac	PCR	RADS JPN	01-Oct-2019	0 / 25	0 / 405
REO ac	PCR	RADS JPN	01-Oct-2019	0 / 25	0 / 405
EDIM ac	PCR	RADS JPN	01-Oct-2019	0 / 25	0 / 405
LCMV a	PCR	RADS JPN	01-Oct-2019	0 / 12	0 / 164
ECTRO a	PCR	RADS JPN	01-Oct-2019	0 / 12	0 / 164
MAV a	PCR	RADS JPN	01-Oct-2019	0 / 12	0 / 164
MCMV a	PCR	RADS JPN	01-Oct-2019	0 / 12	0 / 164
K a	PCR	RADS JPN	01-Oct-2019	0 / 12	0 / 164
POLY a	PCR	RADS JPN	01-Oct-2019	0 / 12	0 / 164
HANT a	PCR	RADS JPN	01-Oct-2019	0 / 12	0 / 164
MTLV a	PCR	RADS JPN	01-Oct-2019	0 / 12	0 / 164
LDV ad	PCR	RADS JPN	01-Oct-2019	0 / 12	0 / 104
<b>Microbiology</b>					
<i>B. bronchiseptica</i> abc	Culture/PCR	RADS JPN	01-Oct-2019	0 / 69	0 / 998
<i>C. rodentium</i> abc	Culture/PCR	RADS JPN	01-Oct-2019	0 / 69	0 / 998
CAR <i>Bacillus</i> a	PCR	RADS JPN	01-Oct-2019	0 / 12	0 / 164
<i>C. kutscheri</i> abc	Culture/PCR	RADS JPN	01-Oct-2019	0 / 69	0 / 998
<i>H. bilis</i> a	PCR	RADS JPN	01-Oct-2019	0 / 25	0 / 320
<i>H. hepaticus</i> a	PCR	RADS JPN	01-Oct-2019	0 / 25	0 / 320
<i>Helicobacter</i> sp. a	PCR	RADS JPN	01-Oct-2019	0 / 25	0 / 320
<i>M. pulmonis</i> ac	PCR	RADS JPN	01-Oct-2019	0 / 25	0 / 477
<i>P. pneumotropica</i> abc	Culture/PCR	RADS JPN	01-Oct-2019	0 / 69	0 / 998
<i>P. aeruginosa</i> abc	Culture/PCR	RADS JPN	01-Oct-2019	0 / 69	0 / 998
<i>Salmonella</i> sp. abc	Culture/PCR	RADS JPN	01-Oct-2019	0 / 69	0 / 998
<i>Staph. aureus</i> abc	Culture/PCR	RADS JPN	01-Oct-2019	0 / 69	0 / 998
<i>S. moniliformis</i> a	PCR	RADS JPN	01-Oct-2019	0 / 12	0 / 236
<i>Strep. pneumoniae</i> abc	Culture/PCR	RADS JPN	01-Oct-2019	0 / 69	0 / 998
Beta <i>Strep.</i> sp. a	Culture/PCR	RADS JPN	01-Oct-2019	0 / 12	0 / 611
CPIL ( <i>Tyzzers Disease</i> ) ac	Exam/PCR	RADS JPN	01-Oct-2019	0 / 25	0 / 695
<i>Pneumocystis</i> sp. ac	PCR	RADS JPN	01-Oct-2019	0 / 25	0 / 405
<i>C. bovis</i> ac	PCR	RADS JPN	01-Oct-2019	0 / 25	0 / 188
<b>Pathology</b>					
Gross Exam ad	Exam	RADS JPN	01-Oct-2019	0 / 12	0 / 611



# 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	01-Oct-2019	0 / 12	0 / 611
<i>Helminths</i> ade	Exam	RADS JPN	01-Oct-2019	0 / 12	0 / 611
<i>Enteric Protozoa</i> ad	Exam	RADS JPN	01-Oct-2019	0 / 12	0 / 464
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	01-Oct-2019	0 / 12	0 / 164

\* 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	08-Oct-2019	0 / 8	0 / 293
PVM ac	PCR	RADS JPN	08-Oct-2019	0 / 8	0 / 293
MHV ac	PCR	RADS JPN	08-Oct-2019	0 / 8	0 / 293
MVM ac	PCR	RADS JPN	08-Oct-2019	0 / 8	0 / 293
MPV ac	PCR	RADS JPN	08-Oct-2019	0 / 8	0 / 293
MNV ac	PCR	RADS JPN	08-Oct-2019	0 / 8	0 / 293
TMEV (GDVII) ac	PCR	RADS JPN	08-Oct-2019	0 / 8	0 / 293
REO ac	PCR	RADS JPN	08-Oct-2019	0 / 8	0 / 293
EDIM ac	PCR	RADS JPN	08-Oct-2019	0 / 8	0 / 293
LCMV a	PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 132
ECTRO a	PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 132
MAV a	PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 132
MCMV a	PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 132
K a	PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 132
POLY a	PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 132
HANT a	PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 132
MTLV a	PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 132
LDV ad	PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 92
<b>Microbiology</b>					
<i>B. bronchiseptica</i> abc	Culture/PCR	RADS JPN	08-Oct-2019	0 / 42	0 / 804
<i>C. rodentium</i> abc	Culture/PCR	RADS JPN	08-Oct-2019	0 / 42	0 / 804
CAR Bacillus a	PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 132
<i>C. kutscheri</i> abc	Culture/PCR	RADS JPN	08-Oct-2019	0 / 42	0 / 804
<i>H. bilis</i> a	PCR	RADS JPN	08-Oct-2019	0 / 8	0 / 273
<i>H. hepaticus</i> a	PCR	RADS JPN	08-Oct-2019	0 / 8	0 / 273
<i>Helicobacter sp.</i> a	PCR	RADS JPN	08-Oct-2019	0 / 8	0 / 273
<i>M. pulmonis</i> ac	PCR	RADS JPN	08-Oct-2019	0 / 8	0 / 373
<i>P. pneumotropica</i> abc	Culture/PCR	RADS JPN	08-Oct-2019	0 / 42	0 / 804
<i>P. aeruginosa</i> abc	Culture/PCR	RADS JPN	08-Oct-2019	0 / 42	0 / 804
<i>Salmonella sp.</i> abc	Culture/PCR	RADS JPN	08-Oct-2019	0 / 42	0 / 804
<i>Staph. aureus</i> abc	Culture/PCR	RADS JPN	08-Oct-2019	0 / 42	0 / 804
<i>S. moniliformis</i> a	PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 212
<i>Strep. pneumoniae</i> abc	Culture/PCR	RADS JPN	08-Oct-2019	0 / 42	0 / 804
Beta Strep. sp. a	Culture/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 512
CPIL (Tyzzer's Disease) ac	Exam/PCR	RADS JPN	08-Oct-2019	0 / 8	0 / 573
<i>Pneumocystis sp.</i> ac	PCR	RADS JPN	08-Oct-2019	0 / 8	0 / 293
<i>C. bovis</i> ac	PCR	RADS JPN	08-Oct-2019	0 / 8	0 / 153
<b>Pathology</b>					
Gross Exam ad	Exam	RADS JPN	07-Oct-2019	0 / 16	0 / 512





# Mouse SPF/VAF Report

## Japan

Charles River Laboratories Yokohama

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

<i>Summary Item</i>	<i>Method</i>	<i>Primary Lab</i>	<i>Most Recent</i>		<i>Past 18 Months</i>
			<i>Test Date</i>	<i>Positive / Tested</i>	<i>Positive / Tested</i>
<b>Parasitology</b>					
<i>Ectoparasites ade</i>	Exam	RADS JPN	07-Oct-2019	0 / 16	0 / 512
<i>Helminths ade</i>	Exam	RADS JPN	07-Oct-2019	0 / 16	0 / 512
<i>Enteric Protozoa ad</i>	Exam	RADS JPN	07-Oct-2019	0 / 16	0 / 372
<i>E. cuniculi ad</i>	MFIA/PCR	RADS JPN	07-Oct-2019	0 / 16	0 / 132

\* 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	15-Oct-2019	0 / 12	0 / 367
PVM ac	PCR	RADS JPN	15-Oct-2019	0 / 12	0 / 367
MHV ac	PCR	RADS JPN	15-Oct-2019	0 / 12	0 / 367
MVM ac	PCR	RADS JPN	15-Oct-2019	0 / 12	0 / 367
MPV ac	PCR	RADS JPN	15-Oct-2019	0 / 12	0 / 367
MNV ac	PCR	RADS JPN	15-Oct-2019	0 / 12	0 / 367
TMEV (GDVII) ac	PCR	RADS JPN	15-Oct-2019	0 / 12	0 / 367
REO ac	PCR	RADS JPN	15-Oct-2019	0 / 12	0 / 367
EDIM ac	PCR	RADS JPN	15-Oct-2019	0 / 12	0 / 367
LCMV a	PCR	RADS JPN	08-Oct-2019	0 / 16	0 / 161
ECTRO a	PCR	RADS JPN	08-Oct-2019	0 / 16	0 / 161
MAV a	PCR	RADS JPN	08-Oct-2019	0 / 16	0 / 161
MCMV a	PCR	RADS JPN	08-Oct-2019	0 / 16	0 / 161
K a	PCR	RADS JPN	08-Oct-2019	0 / 16	0 / 161
POLY a	PCR	RADS JPN	08-Oct-2019	0 / 16	0 / 161
HANT a	PCR	RADS JPN	08-Oct-2019	0 / 16	0 / 161
MTLV a	PCR	RADS JPN	08-Oct-2019	0 / 16	0 / 161
LDV ad	PCR	RADS JPN	08-Oct-2019	0 / 16	0 / 116
<b>Microbiology</b>					
<i>B. bronchiseptica</i> abc	Culture/PCR	RADS JPN	15-Oct-2019	0 / 57	0 / 1,013
<i>C. rodentium</i> abc	Culture/PCR	RADS JPN	15-Oct-2019	0 / 57	0 / 1,013
CAR <i>Bacillus</i> a	PCR	RADS JPN	08-Oct-2019	0 / 16	0 / 161
<i>C. kutscheri</i> abc	Culture/PCR	RADS JPN	15-Oct-2019	0 / 57	0 / 1,013
<i>H. bilis</i> a	PCR	RADS JPN	15-Oct-2019	0 / 12	0 / 335
<i>H. hepaticus</i> a	PCR	RADS JPN	15-Oct-2019	0 / 12	0 / 335
<i>Helicobacter sp.</i> a	PCR	RADS JPN	15-Oct-2019	0 / 12	0 / 335
<i>M. pulmonis</i> ac	PCR	RADS JPN	15-Oct-2019	0 / 12	0 / 457
<i>P. pneumotropica</i> abc	Culture/PCR	RADS JPN	15-Oct-2019	0 / 57	0 / 1,013
<i>P. aeruginosa</i> abc	Culture/PCR	RADS JPN	15-Oct-2019	0 / 57	0 / 1,013
<i>Salmonella sp.</i> abc	Culture/PCR	RADS JPN	15-Oct-2019	0 / 57	0 / 1,013
<i>Staph. aureus</i> abc	Culture/PCR	RADS JPN	15-Oct-2019	0 / 57	0 / 1,013
<i>S. moniliformis</i> a	PCR	RADS JPN	08-Oct-2019	0 / 16	0 / 251
<i>Strep. pneumoniae</i> abc	Culture/PCR	RADS JPN	15-Oct-2019	0 / 57	0 / 1,013
Beta <i>Strep. sp.</i> a	Culture/PCR	RADS JPN	08-Oct-2019	0 / 16	0 / 617
CPIL ( <i>Tyzzers Disease</i> ) ac	Exam/PCR	RADS JPN	15-Oct-2019	0 / 12	0 / 701
<i>Pneumocystis sp.</i> ac	PCR	RADS JPN	15-Oct-2019	0 / 12	0 / 367
<i>C. bovis</i> ac	PCR	RADS JPN	15-Oct-2019	0 / 12	0 / 200
<b>Pathology</b>					
Gross Exam ad	Exam	RADS JPN	08-Oct-2019	0 / 16	0 / 617



# 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	08-Oct-2019	0 / 16	0 / 617
<i>Helminths</i> ade	Exam	RADS JPN	08-Oct-2019	0 / 16	0 / 617
<i>Enteric Protozoa</i> ad	Exam	RADS JPN	08-Oct-2019	0 / 16	0 / 451
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	08-Oct-2019	0 / 16	0 / 161

\* 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