

2020年3月31日

お客様 各位

生産動物 微生物モニタリング結果報告書

(2020年3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-Mar-2020	0 / 16	0 / 221
PVM ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 221
MHV ace	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 232
MVM ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 221
MPV ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 221
MNV ace	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 232
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 221
REO ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 221
EDIM ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 221
LCMV ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61
ECTRO ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61
MAV ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61
MCMV ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61
K ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61
POLY ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61
HANT ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61
MTLV ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61
LDV ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 45
<b>Microbiology</b>					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 124
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 143
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 124
<i>H. bilis</i> ade	PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 91
<i>H. hepaticus</i> ade	PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 91
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 91
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 240
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 124
<i>P. aeruginosa</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 124
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 124
<i>Staph. aureus</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 124
<i>S. moniliformis</i> ad	PCR	RADS JPN	03-Feb-2020	0 / 15	0 / 80
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 124
CPIL ( <i>Tyzzler's Disease</i> ) ac	Exam/MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 260
<i>Pneumocystis</i> sp. ad	PCR	RADS JPN	03-Feb-2020	0 / 5	0 / 34
<i>C. bovis</i> ade	PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 71
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	03-Feb-2020	0 / 15	0 / 132



# 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	26-Feb-2020	0 / 1	0 / 124
<i>Helminths</i> ade	Exam/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 143
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 104
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61

\* 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		Summary Item				
			Method	Primary Lab	Test Date	Most Recent Positive / Tested	Past 18 Months Positive / Tested
Atsugi A12 Mice	SPF/VAF						
<b>Virology</b>							
	SEND ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 221	
	PVM ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 221	
	MHV ace	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 232	
	MVM ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 221	
	MPV ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 221	
	MNV ace	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 232	
	TMEV (GDVII) ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 221	
	REO ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 221	
	EDIM ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 221	
	LCMV ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61	
	ECTRO ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61	
	MAV ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61	
	MCMV ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61	
	K ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61	
	POLY ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61	
	HANT ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61	
	MTLV ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61	
	LDV ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 45	
<b>Microbiology</b>							
	<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 124	
	<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 143	
	CAR Bacillus ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61	
	<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 124	
	<i>H. bilis</i> ade	PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 91	
	<i>H. hepaticus</i> ade	PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 91	
	<i>Helicobacter</i> sp. ade	PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 91	
	<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 240	
	<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 124	
	<i>P. aeruginosa</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 124	
	<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 124	
	<i>Staph. aureus</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 124	
	<i>S. moniliformis</i> ad	PCR	RADS JPN	03-Feb-2020	0 / 15	0 / 80	
	<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 124	
	CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 260	
	<i>Pneumocystis</i> sp. ad	PCR	RADS JPN	03-Feb-2020	0 / 5	0 / 34	
	<i>C. bovis</i> ade	PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 71	
<b>Pathology</b>							
	Gross Exam df	Exam	RADS JPN	03-Feb-2020	0 / 15	0 / 132	



# 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	26-Feb-2020	0 / 1	0 / 124
<i>Helminths</i> ade	Exam/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 143
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 104
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61

\* 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-Mar-2020	0 / 16	0 / 221
PVM ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 221
MHV ace	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 232
MVM ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 221
MPV ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 221
MNV ace	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 232
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 221
REO ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 221
EDIM ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 221
LCMV ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61
ECTRO ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61
MAV ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61
MCMV ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61
K ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61
POLY ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61
HANT ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61
MTLV ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61
LDV ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 45
<b>Microbiology</b>					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 104
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 127
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 104
<i>H. bilis</i> ade	PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 72
<i>H. hepaticus</i> ade	PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 72
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 72
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 221
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 104
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 93
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 104
<i>S. moniliformis</i> ad	PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 104
CPIL ( <i>Tyzzers Disease</i> ) ac	Exam/MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 244
<i>C. bovis</i> bde	PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 56
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	03-Feb-2020	0 / 15	0 / 116
<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 104
Helminths ade	Exam/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 127



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

Charles River Laboratories Yokohama

Location *Health Status*  
 Atsugi A13 Mice SPF/VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
<b>Parasitology</b>					
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 88
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61

\* 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-Mar-2020	0 / 16	0 / 221
PVM ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 221
MHV ace	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 232
MVM ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 221
MPV ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 221
MNV ace	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 232
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 221
REO ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 221
EDIM ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 221
LCMV ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61
ECTRO ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61
MAV ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61
MCMV ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61
K ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61
POLY ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61
HANT ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61
MTLV ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61
LDV ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 45
<b>Microbiology</b>					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 104
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 127
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 104
<i>H. bilis</i> ade	PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 72
<i>H. hepaticus</i> ade	PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 72
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 72
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 221
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 104
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 93
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 104
<i>S. moniliformis</i> ad	PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 104
CPIL ( <i>Tyzzers Disease</i> ) ac	Exam/MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 244
<i>C. bovis</i> bde	PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 56
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	03-Feb-2020	0 / 15	0 / 116
<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 104
Helminths ade	Exam/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 127





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

Charles River Laboratories Yokohama

Location *Health Status*  
 Atsugi A14 Mice SPF/VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
<b>Parasitology</b>					
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 88
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61

\* 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-Mar-2020	0 / 16	0 / 221
PVM ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 221
MHV ace	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 232
MVM ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 221
MPV ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 221
MNV ace	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 232
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 221
REO ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 221
EDIM ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 221
LCMV ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61
ECTRO ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61
MAV ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61
MCMV ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61
K ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61
POLY ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61
HANT ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61
MTLV ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61
LDV ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 45
<b>Microbiology</b>					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 104
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 127
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 104
<i>H. bilis</i> ade	PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 72
<i>H. hepaticus</i> ade	PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 72
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 72
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 221
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 104
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 93
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 104
<i>S. moniliformis</i> ad	PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 104
CPIL ( <i>Tyzzers Disease</i> ) ac	Exam/MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 244
<i>C. bovis</i> bde	PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 56
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	03-Feb-2020	0 / 15	0 / 116
<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 104
Helminths ade	Exam/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 127



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

Charles River Laboratories Yokohama

*Location* Atsugi A15 Mice *Health Status* SPF/VAF

<i>Summary Item</i>	<i>Method</i>	<i>Primary Lab</i>	<i>Most Recent</i>		<i>Past 18 Months</i>
			<i>Test Date</i>	<i>Positive / Tested</i>	<i>Positive / Tested</i>
<b>Parasitology</b>					
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 88
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 61

\* 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		Summary Item		
			Method	Primary Lab	Test Date
Atsugi A21 Rats	SPF/VAF				
<b>Virology</b>					
SEND ac	MFIA/PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 181
PVM ac	MFIA/PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 181
SDAV ace	MFIA/PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 181
KRV ac	MFIA/PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 181
H-1 ac	MFIA/PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 181
RPV ac	MFIA/PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 181
RMV ac	MFIA/PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 181
REO ac	MFIA/PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 181
RTV ac	MFIA/PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 181
LCMV ad	MFIA/PCR	RADS JPN	05-Feb-2020	0 / 10	0 / 45
HANT ad	MFIA/PCR	RADS JPN	05-Feb-2020	0 / 10	0 / 45
MAV ad	MFIA/PCR	RADS JPN	05-Feb-2020	0 / 10	0 / 45
<b>Microbiology</b>					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 64
CAR Bacillus ad	MFIA/PCR	RADS JPN	05-Feb-2020	0 / 10	0 / 45
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 64
<i>H. bilis</i> ade	PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 56
<i>H. hepaticus</i> ade	PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 56
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 56
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 181
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 64
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	05-Feb-2020	0 / 10	0 / 53
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 64
<i>S. moniliformis</i> ad	PCR	RADS JPN	05-Feb-2020	0 / 10	0 / 45
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 64
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 196
<i>Pneumocystis sp.</i> ac	MFIA/PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 181
<i>C. bovis</i> bde	PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 55
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	05-Feb-2020	0 / 15	0 / 68
<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 64
Helminths ade	Exam/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 79
Enteric Protozoa ade	Exam/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 60
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	05-Feb-2020	0 / 10	0 / 45

\* dashes indicate not tested during specified period



## **Rat SPF/VAF Report**

### **Japan**

---

Charles River Laboratories Yokohama

*Location*

Atsugi A21 Rats

*Health Status*

SPF/VAF

---

HOUSED STRAINS

**Outbred**

CD

---

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

TESTING SCHEDULE: c = screened every month; d = screened quarterly; e = additional PCR is done every month by environmental swabs

f = Results do not include incidental or strain related findings

## Mouse SPF/VAF Report

### Japan

Charles River Laboratories Yokohama

Location *Health Status*  
Atsugi A23 Mice SPF/VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
<b>Virology</b>					
SEND ac	MFIA/PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 221
PVM ac	MFIA/PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 221
MHV ace	MFIA/PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 232
MVM ac	MFIA/PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 221
MPV ac	MFIA/PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 221
MNV ace	MFIA/PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 232
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 221
REO ac	MFIA/PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 221
EDIM ac	MFIA/PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 221
LCMV ad	MFIA/PCR	RADS JPN	05-Feb-2020	0 / 10	0 / 61
ECTRO ad	MFIA/PCR	RADS JPN	05-Feb-2020	0 / 10	0 / 61
MAV ad	MFIA/PCR	RADS JPN	05-Feb-2020	0 / 10	0 / 61
MCMV ad	MFIA/PCR	RADS JPN	05-Feb-2020	0 / 10	0 / 61
K ad	MFIA/PCR	RADS JPN	05-Feb-2020	0 / 10	0 / 61
POLY ad	MFIA/PCR	RADS JPN	05-Feb-2020	0 / 10	0 / 61
HANT ad	MFIA/PCR	RADS JPN	05-Feb-2020	0 / 10	0 / 61
MTLV ad	MFIA/PCR	RADS JPN	05-Feb-2020	0 / 10	0 / 61
LDV ad	MFIA/PCR	RADS JPN	05-Feb-2020	0 / 10	0 / 45
<b>Microbiology</b>					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 104
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 127
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	05-Feb-2020	0 / 10	0 / 61
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 104
<i>H. bilis</i> ade	PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 72
<i>H. hepaticus</i> ade	PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 72
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 72
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 221
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 104
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	05-Feb-2020	0 / 10	0 / 93
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 104
<i>S. moniliformis</i> ad	PCR	RADS JPN	05-Feb-2020	0 / 10	0 / 61
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 104
CPIL ( <i>Tyzzers Disease</i> ) ac	Exam/MFIA/PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 244
<i>C. bovis</i> bde	PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 56
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	05-Feb-2020	0 / 15	0 / 116
<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 104
Helminths ade	Exam/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 127



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>					
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 88
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	05-Feb-2020	0 / 10	0 / 61

\* 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-Mar-2020	0 / 16	0 / 115
PVM ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 115
MHV ace	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 107
MVM ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 115
MPV ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 115
MNV ace	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 107
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 115
REO ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 115
EDIM ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 115
LCMV ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 35
ECTRO ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 35
MAV ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 35
MCMV ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 35
K ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 35
POLY ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 35
HANT ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 35
MTLV ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 35
LDV ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 35
<b>Microbiology</b>					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 44
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 54
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 35
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 44
<i>H. bilis</i> ade	PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 44
<i>H. hepaticus</i> ade	PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 44
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 44
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 115
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 44
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 35
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 44
<i>S. moniliformis</i> ad	PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 35
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 44
CPIL ( <i>Tyzzers Disease</i> ) ac	Exam/MFIA/PCR	RADS JPN	02-Mar-2020	0 / 16	0 / 125
<i>C. bovis</i> bde	PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 44
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	03-Feb-2020	0 / 15	0 / 45
<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 44
Helminths ade	Exam/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 54





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	26-Feb-2020	0 / 1	0 / 44
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	03-Feb-2020	0 / 10	0 / 35

\* 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-Mar-2020	0 / 16	0 / 157
PVM ac	MFIA/PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 157
MHV ace	MFIA/PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 168
MVM ac	MFIA/PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 157
MPV ac	MFIA/PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 157
MNV ace	MFIA/PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 168
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 157
REO ac	MFIA/PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 157
EDIM ac	MFIA/PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 157
LCMV ad	MFIA/PCR	RADS JPN	05-Feb-2020	0 / 10	0 / 45
ECTRO ad	MFIA/PCR	RADS JPN	05-Feb-2020	0 / 10	0 / 45
MAV ad	MFIA/PCR	RADS JPN	05-Feb-2020	0 / 10	0 / 45
MCMV ad	MFIA/PCR	RADS JPN	05-Feb-2020	0 / 10	0 / 45
K ad	MFIA/PCR	RADS JPN	05-Feb-2020	0 / 10	0 / 45
POLY ad	MFIA/PCR	RADS JPN	05-Feb-2020	0 / 10	0 / 45
HANT ad	MFIA/PCR	RADS JPN	05-Feb-2020	0 / 10	0 / 45
MTLV ad	MFIA/PCR	RADS JPN	05-Feb-2020	0 / 10	0 / 45
LDV ad	MFIA/PCR	RADS JPN	05-Feb-2020	0 / 10	0 / 45
<b>Microbiology</b>					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 56
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 71
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	05-Feb-2020	0 / 10	0 / 45
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 56
<i>H. bilis</i> ade	PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 56
<i>H. hepaticus</i> ade	PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 56
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 56
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 157
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 56
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	05-Feb-2020	0 / 10	0 / 45
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 56
<i>S. moniliformis</i> ad	PCR	RADS JPN	05-Feb-2020	0 / 10	0 / 45
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 56
CPIL ( <i>Tyzzers Disease</i> ) ac	Exam/MFIA/PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 172
<i>C. bovis</i> bde	PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 56
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	05-Feb-2020	0 / 15	0 / 60
<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 56
Helminths ade	Exam/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 71



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

Charles River Laboratories Yokohama

*Location*  
 Atsugi A25 Mice

*Health Status*  
 SPF/VAF

<i>Summary Item</i>	<i>Method</i>	<i>Primary Lab</i>	<i>Most Recent</i>		<i>Past 18 Months</i>
			<i>Test Date</i>	<i>Positive / Tested</i>	<i>Positive / Tested</i>
<b>Parasitology</b>					
<i>Enteric Protozoa ade</i>	Exam/PCR	RADS JPN	26-Feb-2020	0 / 1	0 / 56
<i>E. cuniculi ad</i>	MFIA/PCR	RADS JPN	05-Feb-2020	0 / 10	0 / 45

\* 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	11-Mar-2020	0 / 16	0 / 221
PVM ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
SDAV ace	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 232
KRV ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
H-1 ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
RPV ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
RMV ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
REO ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
RTV ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
LCMV ad	MFIA/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61
HANT ad	MFIA/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61
MAV ad	MFIA/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61
<b>Microbiology</b>					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 104
CAR Bacillus ad	MFIA/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 104
<i>H. bilis</i> ade	PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 72
<i>H. hepaticus</i> ade	PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 72
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 72
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 104
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 93
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 104
<i>S. moniliformis</i> ad	PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 104
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 244
<i>Pneumocystis sp.</i> ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
<i>C. bovis</i> bde	PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 56
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	12-Feb-2020	0 / 15	0 / 116
<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 104
Helminths ade	Exam/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 127
Enteric Protozoa ade	Exam/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 88
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61

\* dashes indicate not tested during specified period



## Rat SPF/VAF Report

### Japan

---

Charles River Laboratories Yokohama

Location

Hino H11 Rats

Health Status

SPF/VAF

---

#### HOUSED STRAINS

**Outbred**

WISTAR

**Inbred**

F344

SHR

WKY

---

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

TESTING SCHEDULE: c = screened every month; d = screened quarterly; e = additional PCR is done every month by environmental swabs

f = Results do not include incidental or strain related findings

## Mouse SPF/VAF Report

### Japan

Charles River Laboratories Yokohama

Location *Health Status*  
Hino H12 Mice SPF/VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
<b>Virology</b>					
SEND ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
PVM ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
MHV ace	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 232
MVM ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
MPV ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
MNV ace	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 232
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
REO ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
EDIM ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
LCMV ad	MFIA/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61
ECTRO ad	MFIA/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61
MAV ad	MFIA/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61
MCMV ad	MFIA/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61
K ad	MFIA/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61
POLY ad	MFIA/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61
HANT ad	MFIA/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61
MTLV ad	MFIA/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61
LDV ad	MFIA/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 45
<b>Microbiology</b>					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 104
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 127
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 104
<i>H. bilis</i> ade	PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 72
<i>H. hepaticus</i> ade	PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 72
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 72
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 104
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 93
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 104
<i>S. moniliformis</i> ad	PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 104
CPIL ( <i>Tyzzers Disease</i> ) ac	Exam/MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 244
<i>C. bovis</i> bde	PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 56
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	12-Feb-2020	0 / 15	0 / 116
<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 104
Helminths ade	Exam/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 127



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	27-Feb-2020	0 / 1	0 / 88
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61

\* dashes indicate not tested during specified period

HOUSED STRAINS

**Inbred**  
 B6 OB  
 BKS DB  
 C57BL/6J

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

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

## Rat SPF/VAF Report

### Japan

Charles River Laboratories Yokohama

Location	Health Status		Summary Item		
			Method	Primary Lab	Test Date
Hino H13 Rats	SPF/VAF				
<b>Virology</b>					
SEND ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
PVM ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
SDAV ace	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 232
KRV ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
H-1 ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
RPV ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
RMV ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
REO ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
RTV ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
LCMV ad	MFIA/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61
HANT ad	MFIA/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61
MAV ad	MFIA/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61
<b>Microbiology</b>					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 104
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 104
<i>H. bilis</i> ade	PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 72
<i>H. hepaticus</i> ade	PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 72
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 72
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 104
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 93
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 104
<i>S. moniliformis</i> ad	PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 104
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 244
<i>Pneumocystis</i> sp. ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
<i>C. bovis</i> bde	PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 56
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	12-Feb-2020	0 / 15	0 / 116
<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 104
Helminths ade	Exam/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 127
Enteric Protozoa ade	Exam/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 88
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61

\* dashes indicate not tested during specified period





## Rat SPF/VAF Report

### Japan

---

Charles River Laboratories Yokohama

*Location*

Hino H13 Rats

*Health Status*

SPF/VAF

---

#### HOUSED STRAINS

**Outbred**

L/E

**Inbred**

BN

LEWIS

PCK

ZDF FA/+

ZDF FA/FA

---

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

TESTING SCHEDULE: c = screened every month; d = screened quarterly; e = additional PCR is done every month by environmental swabs

f = Results do not include incidental or strain related findings

## Rat SPF/VAF Report

### Japan

Charles River Laboratories Yokohama

Location	Health Status		Summary Item		
			Method	Primary Lab	Test Date
Hino H21 Rats	SPF/VAF				
<b>Virology</b>					
SEND ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
PVM ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
SDAV ace	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 232
KRV ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
H-1 ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
RPV ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
RMV ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
REO ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
RTV ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
LCMV ad	MFIA/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61
HANT ad	MFIA/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61
MAV ad	MFIA/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61
<b>Microbiology</b>					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 104
CAR Bacillus ad	MFIA/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 104
<i>H. bilis</i> ade	PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 72
<i>H. hepaticus</i> ade	PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 72
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 72
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 104
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 93
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 104
<i>S. moniliformis</i> ad	PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 104
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 244
<i>Pneumocystis sp.</i> ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
<i>C. bovis</i> bde	PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 56
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	12-Feb-2020	0 / 15	0 / 116
<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 104
Helminths ade	Exam/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 127
Enteric Protozoa ade	Exam/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 88
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61

\* dashes indicate not tested during specified period



## **Rat SPF/VAF Report**

### **Japan**

---

Charles River Laboratories Yokohama

*Location*

Hino H21 Rats

*Health Status*

SPF/VAF

---

HOUSED STRAINS

**Outbred**

CD

---

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

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

## Mouse SPF/VAF Report

### Japan

Charles River Laboratories Yokohama

Location	Health Status
Hino H22 Mice	SPF/VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
<b>Virology</b>					
SEND ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
PVM ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
MHV ace	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 232
MVM ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
MPV ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
MNV ace	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 232
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
REO ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
EDIM ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
LCMV ad	MFIA/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61
ECTRO ad	MFIA/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61
MAV ad	MFIA/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61
MCMV ad	MFIA/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61
K ad	MFIA/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61
POLY ad	MFIA/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61
HANT ad	MFIA/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61
MTLV ad	MFIA/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61
LDV ad	MFIA/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 45

<b>Microbiology</b>					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 104
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 127
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 104
<i>H. bilis</i> ade	PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 72
<i>H. hepaticus</i> ade	PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 72
<i>Helicobacter sp.</i> ade	PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 72
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 221
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 104
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 93
<i>Salmonella sp.</i> ade	Culture/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 104
<i>S. moniliformis</i> ad	PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 104
CPIL ( <i>Tyzzers Disease</i> ) ac	Exam/MFIA/PCR	RADS JPN	11-Mar-2020	0 / 16	0 / 244
<i>C. bovis</i> bde	PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 56

<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	12-Feb-2020	0 / 15	0 / 116

<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 104
Helminths ade	Exam/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 127



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

Charles River Laboratories Yokohama

*Location*  
Hino H22 Mice

*Health Status*  
SPF/VAF

<i>Summary Item</i>	<i>Method</i>	<i>Primary Lab</i>	<i>Most Recent</i>		<i>Past 18 Months</i>
			<i>Test Date</i>	<i>Positive / Tested</i>	<i>Positive / Tested</i>
<b>Parasitology</b>					
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	27-Feb-2020	0 / 1	0 / 88
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	12-Feb-2020	0 / 10	0 / 61

\* dashes indicate not tested during specified period

HOUSED STRAINS

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

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

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

## Mouse SPF/VAF Report

### Japan

Charles River Laboratories Yokohama

Location *Health Status*  
Tsukuba T21 Mice SPF/VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
<b>Virology</b>					
SEND ac	PCR	RADS JPN	03-Mar-2020	0 / 10	0 / 443
PVM ac	PCR	RADS JPN	03-Mar-2020	0 / 10	0 / 443
MHV ac	PCR	RADS JPN	03-Mar-2020	0 / 10	0 / 443
MVM ac	PCR	RADS JPN	03-Mar-2020	0 / 10	0 / 443
MPV ac	PCR	RADS JPN	03-Mar-2020	0 / 10	0 / 443
MNV ac	PCR	RADS JPN	03-Mar-2020	0 / 10	0 / 443
TMEV (GDVII) ac	PCR	RADS JPN	03-Mar-2020	0 / 10	0 / 443
REO ac	PCR	RADS JPN	03-Mar-2020	0 / 10	0 / 443
EDIM ac	PCR	RADS JPN	03-Mar-2020	0 / 10	0 / 443
LCMV a	PCR	RADS JPN	02-Mar-2020	0 / 20	0 / 229
ECTRO a	PCR	RADS JPN	02-Mar-2020	0 / 20	0 / 229
MAV a	PCR	RADS JPN	02-Mar-2020	0 / 20	0 / 229
MCMV a	PCR	RADS JPN	02-Mar-2020	0 / 20	0 / 229
K a	PCR	RADS JPN	02-Mar-2020	0 / 20	0 / 229
POLY a	PCR	RADS JPN	02-Mar-2020	0 / 20	0 / 229
HANT a	PCR	RADS JPN	02-Mar-2020	0 / 20	0 / 229
MTLV a	PCR	RADS JPN	02-Mar-2020	0 / 20	0 / 229
LDV ad	PCR	RADS JPN	02-Mar-2020	0 / 20	0 / 188
<b>Microbiology</b>					
<i>B. bronchiseptica</i> abc	Culture/PCR	RADS JPN	03-Mar-2020	0 / 52	0 / 1,122
<i>C. rodentium</i> abc	Culture/PCR	RADS JPN	03-Mar-2020	0 / 52	0 / 1,122
CAR <i>Bacillus</i> a	PCR	RADS JPN	02-Mar-2020	0 / 20	0 / 229
<i>C. kutscheri</i> abc	Culture/PCR	RADS JPN	03-Mar-2020	0 / 52	0 / 1,122
<i>H. bilis</i> a	PCR	RADS JPN	03-Mar-2020	0 / 10	0 / 422
<i>H. hepaticus</i> a	PCR	RADS JPN	03-Mar-2020	0 / 10	0 / 422
<i>Helicobacter</i> sp. a	PCR	RADS JPN	03-Mar-2020	0 / 10	0 / 422
<i>M. pulmonis</i> ac	PCR	RADS JPN	03-Mar-2020	0 / 10	0 / 495
<i>P. pneumotropica</i> abc	Culture/PCR	RADS JPN	03-Mar-2020	0 / 52	0 / 1,122
<i>P. aeruginosa</i> abc	Culture/PCR	RADS JPN	03-Mar-2020	0 / 52	0 / 1,122
<i>Salmonella</i> sp. abc	Culture/PCR	RADS JPN	03-Mar-2020	0 / 52	0 / 1,122
<i>Staph. aureus</i> abc	Culture/PCR	RADS JPN	03-Mar-2020	0 / 52	0 / 1,122
<i>S. moniliformis</i> a	PCR	RADS JPN	02-Mar-2020	0 / 20	0 / 281
<i>Strep. pneumoniae</i> abc	Culture/PCR	RADS JPN	03-Mar-2020	0 / 52	0 / 1,122
Beta <i>Strep.</i> sp. a	Culture/PCR	RADS JPN	02-Mar-2020	0 / 20	0 / 464
CPIL ( <i>Tyzzers Disease</i> ) ac	Exam/PCR	RADS JPN	03-Mar-2020	0 / 10	0 / 605
<i>Pneumocystis</i> sp. ac	PCR	RADS JPN	03-Mar-2020	0 / 10	0 / 443
<i>C. bovis</i> ac	PCR	RADS JPN	03-Mar-2020	0 / 10	0 / 329
<b>Pathology</b>					
Gross Exam ad	Exam	RADS JPN	02-Mar-2020	0 / 20	0 / 464



# 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> a	Exam/PCR	RADS JPN	02-Mar-2020	0 / 20	0 / 464
<i>Helminths</i> a	Exam/PCR	RADS JPN	02-Mar-2020	0 / 20	0 / 464
<i>Enteric Protozoa</i> a	Exam/PCR	RADS JPN	02-Mar-2020	0 / 20	0 / 382
<i>E. cuniculi</i> a	PCR	RADS JPN	02-Mar-2020	0 / 20	0 / 229

\* 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-Mar-2020	0 / 10	0 / 337
PVM ac	PCR	RADS JPN	10-Mar-2020	0 / 10	0 / 337
MHV ac	PCR	RADS JPN	10-Mar-2020	0 / 10	0 / 337
MVM ac	PCR	RADS JPN	10-Mar-2020	0 / 10	0 / 337
MPV ac	PCR	RADS JPN	10-Mar-2020	0 / 10	0 / 337
MNV ac	PCR	RADS JPN	10-Mar-2020	0 / 10	0 / 337
TMEV (GDVII) ac	PCR	RADS JPN	10-Mar-2020	0 / 10	0 / 337
REO ac	PCR	RADS JPN	10-Mar-2020	0 / 10	0 / 337
EDIM ac	PCR	RADS JPN	10-Mar-2020	0 / 10	0 / 337
LCMV a	PCR	RADS JPN	02-Mar-2020	0 / 12	0 / 179
ECTRO a	PCR	RADS JPN	02-Mar-2020	0 / 12	0 / 179
MAV a	PCR	RADS JPN	02-Mar-2020	0 / 12	0 / 179
MCMV a	PCR	RADS JPN	02-Mar-2020	0 / 12	0 / 179
K a	PCR	RADS JPN	02-Mar-2020	0 / 12	0 / 179
POLY a	PCR	RADS JPN	02-Mar-2020	0 / 12	0 / 179
HANT a	PCR	RADS JPN	02-Mar-2020	0 / 12	0 / 179
MTLV a	PCR	RADS JPN	02-Mar-2020	0 / 12	0 / 179
LDV ad	PCR	RADS JPN	02-Mar-2020	0 / 12	0 / 152
<b>Microbiology</b>					
<i>B. bronchiseptica</i> abc	Culture/PCR	RADS JPN	10-Mar-2020	0 / 45	0 / 893
<i>C. rodentium</i> abc	Culture/PCR	RADS JPN	10-Mar-2020	0 / 45	0 / 893
CAR Bacillus a	PCR	RADS JPN	02-Mar-2020	0 / 12	0 / 179
<i>C. kutscheri</i> abc	Culture/PCR	RADS JPN	10-Mar-2020	0 / 45	0 / 893
<i>H. bilis</i> a	PCR	RADS JPN	10-Mar-2020	0 / 10	0 / 343
<i>H. hepaticus</i> a	PCR	RADS JPN	10-Mar-2020	0 / 10	0 / 343
<i>Helicobacter sp.</i> a	PCR	RADS JPN	10-Mar-2020	0 / 10	0 / 343
<i>M. pulmonis</i> ac	PCR	RADS JPN	10-Mar-2020	0 / 10	0 / 391
<i>P. pneumotropica</i> abc	Culture/PCR	RADS JPN	10-Mar-2020	0 / 45	0 / 893
<i>P. aeruginosa</i> abc	Culture/PCR	RADS JPN	10-Mar-2020	0 / 45	0 / 893
<i>Salmonella sp.</i> abc	Culture/PCR	RADS JPN	10-Mar-2020	0 / 45	0 / 893
<i>Staph. aureus</i> abc	Culture/PCR	RADS JPN	10-Mar-2020	0 / 45	0 / 893
<i>S. moniliformis</i> a	PCR	RADS JPN	02-Mar-2020	0 / 12	0 / 233
<i>Strep. pneumoniae</i> abc	Culture/PCR	RADS JPN	10-Mar-2020	0 / 45	0 / 893
Beta Strep. sp. a	Culture/PCR	RADS JPN	02-Mar-2020	0 / 12	0 / 377
CPIL (Tyzzer's Disease) ac	Exam/PCR	RADS JPN	10-Mar-2020	0 / 10	0 / 487
<i>Pneumocystis sp.</i> ac	PCR	RADS JPN	10-Mar-2020	0 / 10	0 / 337
<i>C. bovis</i> ac	PCR	RADS JPN	10-Mar-2020	0 / 10	0 / 262
<b>Pathology</b>					
Gross Exam ad	Exam	RADS JPN	02-Mar-2020	0 / 12	0 / 377





# 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 a</i>	Exam/PCR	RADS JPN	02-Mar-2020	0 / 12	0 / 377
<i>Helminths a</i>	Exam/PCR	RADS JPN	02-Mar-2020	0 / 12	0 / 377
<i>Enteric Protozoa a</i>	Exam/PCR	RADS JPN	02-Mar-2020	0 / 12	0 / 302
<i>E. cuniculi a</i>	PCR	RADS JPN	02-Mar-2020	0 / 12	0 / 179

\* 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-Mar-2020	0 / 13	0 / 435
PVM ac	PCR	RADS JPN	17-Mar-2020	0 / 13	0 / 435
MHV ac	PCR	RADS JPN	17-Mar-2020	0 / 13	0 / 435
MVM ac	PCR	RADS JPN	17-Mar-2020	0 / 13	0 / 435
MPV ac	PCR	RADS JPN	17-Mar-2020	0 / 13	0 / 435
MNV ac	PCR	RADS JPN	17-Mar-2020	0 / 13	0 / 435
TMEV (GDVII) ac	PCR	RADS JPN	17-Mar-2020	0 / 13	0 / 435
REO ac	PCR	RADS JPN	17-Mar-2020	0 / 13	0 / 435
EDIM ac	PCR	RADS JPN	17-Mar-2020	0 / 13	0 / 435
LCMV a	PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 227
ECTRO a	PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 227
MAV a	PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 227
MCMV a	PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 227
K a	PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 227
POLY a	PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 227
HANT a	PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 227
MTLV a	PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 227
LDV ad	PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 196
<b>Microbiology</b>					
<i>B. bronchiseptica</i> abc	Culture/PCR	RADS JPN	17-Mar-2020	0 / 58	0 / 1,158
<i>C. rodentium</i> abc	Culture/PCR	RADS JPN	17-Mar-2020	0 / 58	0 / 1,158
CAR Bacillus a	PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 227
<i>C. kutscheri</i> abc	Culture/PCR	RADS JPN	17-Mar-2020	0 / 58	0 / 1,158
<i>H. bilis</i> a	PCR	RADS JPN	17-Mar-2020	0 / 13	0 / 435
<i>H. hepaticus</i> a	PCR	RADS JPN	17-Mar-2020	0 / 13	0 / 435
<i>Helicobacter sp.</i> a	PCR	RADS JPN	17-Mar-2020	0 / 13	0 / 435
<i>M. pulmonis</i> ac	PCR	RADS JPN	17-Mar-2020	0 / 13	0 / 497
<i>P. pneumotropica</i> abc	Culture/PCR	RADS JPN	17-Mar-2020	0 / 58	0 / 1,158
<i>P. aeruginosa</i> abc	Culture/PCR	RADS JPN	17-Mar-2020	0 / 58	0 / 1,158
<i>Salmonella sp.</i> abc	Culture/PCR	RADS JPN	17-Mar-2020	0 / 58	0 / 1,158
<i>Staph. aureus</i> abc	Culture/PCR	RADS JPN	17-Mar-2020	0 / 58	0 / 1,158
<i>S. moniliformis</i> a	PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 289
<i>Strep. pneumoniae</i> abc	Culture/PCR	RADS JPN	17-Mar-2020	0 / 58	0 / 1,158
Beta Strep. sp. a	Culture/PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 475
CPIL (Tyzzer's Disease) ac	Exam/PCR	RADS JPN	17-Mar-2020	0 / 13	0 / 621
<i>Pneumocystis sp.</i> ac	PCR	RADS JPN	17-Mar-2020	0 / 13	0 / 435
<i>C. bovis</i> ac	PCR	RADS JPN	17-Mar-2020	0 / 13	0 / 342
<b>Pathology</b>					
Gross Exam ad	Exam	RADS JPN	09-Mar-2020	0 / 16	0 / 475



# 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> a	Exam/PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 475
<i>Helminths</i> a	Exam/PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 475
<i>Enteric Protozoa</i> a	Exam/PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 383
<i>E. cuniculi</i> a	PCR	RADS JPN	09-Mar-2020	0 / 16	0 / 227

\* 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