

2020年7月29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7月度)

試験責任者：品質保証部  
マネジャー 佐藤征直





# Immunodeficient Mouse SPF/VAF Report (Barrier)

## Japan

Charles River Laboratories Yokohama

Location

Atsugi A11 Mice

Health Status

Immunodeficient

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
<b>Virology</b>					
<i>SEND ac</i>	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 247
<i>PVM ac</i>	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 247
<i>MHV ace</i>	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 262
<i>MVM ac</i>	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 247
<i>MPV ac</i>	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 247
<i>MNV ace</i>	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 262
<i>TMEV (GDVII) ac</i>	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 247
<i>REO ac</i>	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 247
<i>EDIM ac</i>	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 247
<i>LCMV ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
<i>ECTRO ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
<i>MAV ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
<i>MCMV ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
<i>K ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
<i>POLY ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
<i>HANT ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
<i>MTLV ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
<i>LDV ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 55
<b>Microbiology</b>					
<i>B. bronchiseptica ade</i>	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 110
<i>C. rodentium ade</i>	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 114
<i>CAR Bacillus ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
<i>C. kutscheri ade</i>	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 110
<i>H. bilis ade</i>	PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 98
<i>H. hepaticus ade</i>	PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 98
<i>Helicobacter sp. ade</i>	PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 98
<i>M. pulmonis ac</i>	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 267
<i>P. pneumotropica ade</i>	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 110
<i>P. aeruginosa ade</i>	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 110
<i>Salmonella sp. ade</i>	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 110
<i>Staph. aureus ade</i>	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 110
<i>S. moniliformis ad</i>	PCR	RADS JPN	11-May-2020	0 / 15	0 / 83
<i>Strep. pneumoniae ade</i>	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 110
<i>CPIL (Tyzzer's Disease) ac</i>	Exam/MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 275
<i>Pneumocystis sp. ad</i>	PCR	RADS JPN	11-May-2020	0 / 5	0 / 35
<i>C. bovis ade</i>	PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 90
<b>Pathology</b>					
<i>Gross Exam df</i>	Exam	RADS JPN	11-May-2020	0 / 15	0 / 99



## Immunodeficient Mouse SPF/VAF Report (Barrier)

### Japan

Charles River Laboratories Yokohama

Location

Atsugi A11 Mice

Health Status

Immunodeficient

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	24-Jun-2020	0 / 1	0 / 90
<i>Helminths</i> ade	Exam/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 114
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 86
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63

\* 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 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;

Other

f = results do not include incidental or strain related findings



# Immunodeficient Mouse SPF/VAF Report (Barrier)

## Japan

Charles River Laboratories Yokohama

Location

Atsugi A12 Mice

Health Status

Immunodeficient

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	13-Jul-2020	0 / 16	0 / 247
PVM ac	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 247
MHV ace	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 262
MVM ac	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 247
MPV ac	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 247
MNV ace	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 262
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 247
REO ac	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 247
EDIM ac	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 247
LCMV ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
ECTRO ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
MAV ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
MCMV ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
K ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
POLY ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
HANT ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
MTLV ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
LDV ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 55
<b>Microbiology</b>					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 110
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 114
CAR Bacillus ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 110
<i>H. bilis</i> ade	PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 98
<i>H. hepaticus</i> ade	PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 98
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 98
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 267
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 110
<i>P. aeruginosa</i> ade	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 110
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 110
<i>Staph. aureus</i> ade	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 110
<i>S. moniliformis</i> ad	PCR	RADS JPN	11-May-2020	0 / 15	0 / 83
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 110
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 275
<i>Pneumocystis</i> sp. ad	PCR	RADS JPN	11-May-2020	0 / 5	0 / 35
<i>C. bovis</i> ade	PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 90
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	11-May-2020	0 / 15	0 / 99



## Immunodeficient Mouse SPF/VAF Report (Barrier)

### Japan

Charles River Laboratories Yokohama

Location

Atsugi A12 Mice

Health Status

Immunodeficient

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	24-Jun-2020	0 / 1	0 / 90
<i>Helminths</i> ade	Exam/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 114
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 86
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63

\* dashes indicate not tested during specified period.

HOUSED STRAINS

Inbred  
NU/NU B/C  
NU+ B/C

COLONY POLICY FOR 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;

Other

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>					
<i>SEND ac</i>	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 247
<i>PVM ac</i>	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 247
<i>MHV ace</i>	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 262
<i>MVM ac</i>	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 247
<i>MPV ac</i>	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 247
<i>MNV ace</i>	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 262
<i>TMEV (GDVII) ac</i>	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 247
<i>REO ac</i>	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 247
<i>EDIM ac</i>	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 247
<i>LCMV ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
<i>ECTRO ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
<i>MAV ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
<i>MCMV ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
<i>K ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
<i>POLY ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
<i>HANT ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
<i>MTLV ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
<i>LDV ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 55
<b>Microbiology</b>					
<i>B. bronchiseptica ade</i>	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 86
<i>C. rodentium ade</i>	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 110
<i>CAR Bacillus ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
<i>C. kutscheri ade</i>	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 86
<i>H. bilis ade</i>	PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 78
<i>H. hepaticus ade</i>	PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 78
<i>Helicobacter sp. ade</i>	PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 78
<i>M. pulmonis ac</i>	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 247
<i>P. pneumotropica ade</i>	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 86
<i>P. aeruginosa bd</i>	Culture/PCR	RADS JPN	11-May-2020	0 / 10	0 / 71
<i>Salmonella sp. ade</i>	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 86
<i>S. moniliformis ad</i>	PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
<i>Strep. pneumoniae ade</i>	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 86
<i>CPIL (Tyzzer's Disease) ac</i>	Exam/MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 271
<i>C. bovis bde</i>	PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 70
<b>Pathology</b>					
<i>Gross Exam df</i>	Exam	RADS JPN	11-May-2020	0 / 15	0 / 95

## Parasitology

<i>Gross Exam df</i>	Exam	RADS JPN	11-May-2020	0 / 15	0 / 95
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**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>Parasitology</b>					
<i>Ectoparasites</i> ade	Exam/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 86
<i>Helminths</i> ade	Exam/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 110
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 82
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63

\* dashes indicate not tested during specified period.

HOUSED STRAINS

**Inbred**  
C57BL/6J  
C57BL/6N

COLONY POLICY FOR 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;

Other

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	13-Jul-2020	0 / 16	0 / 247
PVM ac	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 247
MHV ace	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 262
MVM ac	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 247
MPV ac	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 247
MNV ace	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 262
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 247
REO ac	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 247
EDIM ac	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 247
LCMV ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
ECTRO ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
MAV ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
MCMV ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
K ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
POLY ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
HANT ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
MTLV ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
LDV ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 55
<b>Microbiology</b>					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 86
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 110
CAR Bacillus ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 86
<i>H. bilis</i> ade	PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 78
<i>H. hepaticus</i> ade	PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 78
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 78
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 247
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 86
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	11-May-2020	0 / 10	0 / 71
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 86
<i>S. moniliformis</i> ad	PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 86
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 271
<i>C. bovis</i> bde	PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 70
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	11-May-2020	0 / 15	0 / 95

## Parasitology

Gross Exam df	Exam	RADS JPN	11-May-2020	0 / 15	0 / 95
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**Mouse SPF/VAF Report**  
**Japan**

Charles River Laboratories Yokohama

Location

Atsugi A14 Mice

Health Status

SPF / VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
<b>Parasitology</b>					
<i>Ectoparasites</i> ade	Exam/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 86
<i>Helminths</i> ade	Exam/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 110
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 82
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63

\* dashes indicate not tested during specified period.

HOUSED STRAINS

**Outbred**  
CD-1

**Inbred**  
B6 ALBINO  
CBA/J  
NC/CRJ  
SJL

COLONY POLICY FOR 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;

Other

f = results do not include incidental or strain related findings

## Mouse SPF/VAF Report Japan

Charles River Laboratories Yokohama

Location

Atsugi A15 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	13-Jul-2020	0 / 16	0 / 247
PVM ac	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 247
MHV ace	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 262
MVM ac	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 247
MPV ac	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 247
MNV ace	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 262
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 247
REO ac	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 247
EDIM ac	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 247
LCMV ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
ECTRO ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
MAV ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
MCMV ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
K ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
POLY ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
HANT ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
MTLV ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
LDV ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 55
<b>Microbiology</b>					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 86
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 110
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 86
<i>H. bilis</i> ade	PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 78
<i>H. hepaticus</i> ade	PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 78
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 78
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 247
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 86
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	11-May-2020	0 / 10	0 / 71
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 86
<i>S. moniliformis</i> ad	PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 86
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 271
<i>C. bovis</i> bde	PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 70
<b>Pathology</b>					
Gross Exam dtf	Exam	RADS JPN	11-May-2020	0 / 15	0 / 95

## Parasitology

Gross Exam dtf	Exam	RADS JPN	11-May-2020	0 / 15	0 / 95
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## Parasitology

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

Charles River Laboratories Yokohama

Location

Atsugi A15 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>Ectoparasites</i> ade	Exam/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 86
<i>Helminths</i> ade	Exam/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 110
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 82
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63

\* dashes indicate not tested during specified period.

HOUSED STRAINS

**Inbred**  
C57BL/6J

COLONY POLICY FOR 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;

Other

f = results do not include incidental or strain related findings



# Rat SPF/VAF Report

## Japan

Charles River Laboratories Yokohama

Location

Atsugi A21 Rats

Health Status

SPF / VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
<b>Virology</b>					
SEND ac	MFIA/PCR	RADS JPN	06-Jul-2020	0 / 16	0 / 239
PVM ac	MFIA/PCR	RADS JPN	06-Jul-2020	0 / 16	0 / 239
SDAV ace	MFIA/PCR	RADS JPN	06-Jul-2020	0 / 16	0 / 254
KRV ac	MFIA/PCR	RADS JPN	06-Jul-2020	0 / 16	0 / 239
H1 ac	MFIA/PCR	RADS JPN	06-Jul-2020	0 / 16	0 / 239
RPV ac	MFIA/PCR	RADS JPN	06-Jul-2020	0 / 16	0 / 239
RMV ac	MFIA/PCR	RADS JPN	06-Jul-2020	0 / 16	0 / 239
REO ac	MFIA/PCR	RADS JPN	06-Jul-2020	0 / 16	0 / 239
RTV ac	MFIA/PCR	RADS JPN	06-Jul-2020	0 / 16	0 / 239
LCMV ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 55
HANT ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 55
MAV ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 55
<b>Microbiology</b>					
B. bronchiseptica ade	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 78
CAR Bacillus ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 55
C. kutscheri ade	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 78
H. bilis ade	PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 70
H. hepaticus ade	PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 70
Helicobacter sp. ade	PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 70
M. pulmonis ac	MFIA/PCR	RADS JPN	06-Jul-2020	0 / 16	0 / 239
P. pneumotropica ade	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 78
P. aeruginosa bd	Culture/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
Salmonella sp. ade	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 78
S. moniliformis ad	PCR	RADS JPN	11-May-2020	0 / 10	0 / 55
Strep. pneumoniae ade	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 78
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	06-Jul-2020	0 / 16	0 / 259
Pneumocystis sp. ac	MFIA/PCR	RADS JPN	06-Jul-2020	0 / 16	0 / 239
C. bovis bde	PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 70
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	11-May-2020	0 / 15	0 / 83
<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 78
Helminths ade	Exam/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 98
Enteric Protozoa ade	Exam/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 74
E. cuniculi ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 55

\* dashes indicate not tested during specified period.

HOUSED STRAINS



## Rat SPF/VAF Report

### Japan

Charles River Laboratories Yokohama

Location

Atsugi A21 Rats

Health Status

SPF / VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
	Outbred				
	CD				

COLONY POLICY FOR 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;

Other

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>					
<i>SEND ac</i>	MFIA/PCR	RADS JPN	06-Jul-2020	0 / 16	0 / 247
<i>PVM ac</i>	MFIA/PCR	RADS JPN	06-Jul-2020	0 / 16	0 / 247
<i>MHV ace</i>	MFIA/PCR	RADS JPN	06-Jul-2020	0 / 16	0 / 262
<i>MVM ac</i>	MFIA/PCR	RADS JPN	06-Jul-2020	0 / 16	0 / 247
<i>MPV ac</i>	MFIA/PCR	RADS JPN	06-Jul-2020	0 / 16	0 / 247
<i>MNV ace</i>	MFIA/PCR	RADS JPN	06-Jul-2020	0 / 16	0 / 262
<i>TMEV (GDVII) ac</i>	MFIA/PCR	RADS JPN	06-Jul-2020	0 / 16	0 / 247
<i>REO ac</i>	MFIA/PCR	RADS JPN	06-Jul-2020	0 / 16	0 / 247
<i>EDIM ac</i>	MFIA/PCR	RADS JPN	06-Jul-2020	0 / 16	0 / 247
<i>LCMV ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
<i>ECTRO ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
<i>MAV ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
<i>MCMV ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
<i>K ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
<i>POLY ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
<i>HANT ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
<i>MTLV ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
<i>LDV ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 55
<b>Microbiology</b>					
<i>B. bronchiseptica ade</i>	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 86
<i>C. rodentium ade</i>	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 110
<i>CAR Bacillus ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
<i>C. kutscheri ade</i>	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 86
<i>H. bilis ade</i>	PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 78
<i>H. hepaticus ade</i>	PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 78
<i>Helicobacter sp. ade</i>	PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 78
<i>M. pulmonis ac</i>	MFIA/PCR	RADS JPN	06-Jul-2020	0 / 16	0 / 247
<i>P. pneumotropica ade</i>	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 86
<i>P. aeruginosa bd</i>	Culture/PCR	RADS JPN	11-May-2020	0 / 10	0 / 71
<i>Salmonella sp. ade</i>	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 86
<i>S. moniliformis ad</i>	PCR	RADS JPN	11-May-2020	0 / 10	0 / 63
<i>Strep. pneumoniae ade</i>	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 86
<i>CPIL (Tyzzer's Disease) ac</i>	Exam/MFIA/PCR	RADS JPN	06-Jul-2020	0 / 16	0 / 271
<i>C. bovis bde</i>	PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 70
<b>Pathology</b>					
<i>Gross Exam df</i>	Exam	RADS JPN	11-May-2020	0 / 15	0 / 95

### Parasitology



# 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>Ectoparasites</i> ade	Exam/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 86
<i>Helminths</i> ade	Exam/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 110
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 82
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 63

\* dashes indicate not tested during specified period.

### HOUSED STRAINS

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

COLONY POLICY FOR 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;

Other

f = results do not include incidental or strain related findings

## Mouse SPF/VAF Report Japan

Charles River Laboratories Yokohama

Location

Atsugi A24 Mice

Health Status

SPF / VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
<b>Virology</b>					
<i>SEND ac</i>	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 173
<i>PVM ac</i>	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 173
<i>MHV ace</i>	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 186
<i>MVM ac</i>	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 173
<i>MPV ac</i>	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 173
<i>MNV ace</i>	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 186
<i>TMEV (GDVII) ac</i>	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 173
<i>REO ac</i>	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 173
<i>EDIM ac</i>	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 173
<i>LCMV ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 45
<i>ECTRO ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 45
<i>MAV ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 45
<i>MCMV ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 45
<i>K ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 45
<i>POLY ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 45
<i>HANT ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 45
<i>MTLV ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 45
<i>LDV ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 45
<b>Microbiology</b>					
<i>B. bronchiseptica ade</i>	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 58
<i>C. rodentium ade</i>	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 73
<i>CAR Bacillus ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 45
<i>C. kutscheri ade</i>	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 58
<i>H. bilis ade</i>	PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 58
<i>H. hepaticus ade</i>	PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 58
<i>Helicobacter sp. ade</i>	PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 58
<i>M. pulmonis ac</i>	MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 173
<i>P. pneumotropica ade</i>	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 58
<i>P. aeruginosa bd</i>	Culture/PCR	RADS JPN	11-May-2020	0 / 10	0 / 45
<i>Salmonella sp. ade</i>	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 58
<i>S. moniliformis ad</i>	PCR	RADS JPN	11-May-2020	0 / 10	0 / 45
<i>Strep. pneumoniae ade</i>	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 58
<i>CPIL (Tyzzer's Disease) ac</i>	Exam/MFIA/PCR	RADS JPN	13-Jul-2020	0 / 16	0 / 188
<i>C. bovis bde</i>	PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 58
<b>Pathology</b>					
<i>Gross Exam df</i>	Exam	RADS JPN	11-May-2020	0 / 15	0 / 60

## Parasitology

<i>Gross Exam df</i>	Exam	RADS JPN	11-May-2020	0 / 15	0 / 60
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## Parasitology



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

Charles River Laboratories Yokohama

Location

Atsugi A24 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>Ectoparasites</i> ade	Exam/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 58
<i>Helminths</i> ade	Exam/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 73
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 58
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 45

\* dashes indicate not tested during specified period.

HOUSED STRAINS

**Inbred**  
C57BL/6J

COLONY POLICY FOR 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;

Other

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>					
<i>SEND ac</i>	MFIA/PCR	RADS JPN	06-Jul-2020	0 / 16	0 / 215
<i>PVM ac</i>	MFIA/PCR	RADS JPN	06-Jul-2020	0 / 16	0 / 215
<i>MHV ace</i>	MFIA/PCR	RADS JPN	06-Jul-2020	0 / 16	0 / 230
<i>MVM ac</i>	MFIA/PCR	RADS JPN	06-Jul-2020	0 / 16	0 / 215
<i>MPV ac</i>	MFIA/PCR	RADS JPN	06-Jul-2020	0 / 16	0 / 215
<i>MNV ace</i>	MFIA/PCR	RADS JPN	06-Jul-2020	0 / 16	0 / 230
<i>TMEV (GDVII) ac</i>	MFIA/PCR	RADS JPN	06-Jul-2020	0 / 16	0 / 215
<i>REO ac</i>	MFIA/PCR	RADS JPN	06-Jul-2020	0 / 16	0 / 215
<i>EDIM ac</i>	MFIA/PCR	RADS JPN	06-Jul-2020	0 / 16	0 / 215
<i>LCMV ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 55
<i>ECTRO ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 55
<i>MAV ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 55
<i>MCMV ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 55
<i>K ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 55
<i>POLY ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 55
<i>HANT ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 55
<i>MTLV ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 55
<i>LDV ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 55
<b>Microbiology</b>					
<i>B. bronchiseptica ade</i>	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 70
<i>C. rodentium ade</i>	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 90
<i>CAR Bacillus ad</i>	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 55
<i>C. kutscheri ade</i>	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 70
<i>H. bilis ade</i>	PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 70
<i>H. hepaticus ade</i>	PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 70
<i>Helicobacter sp. ade</i>	PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 70
<i>M. pulmonis ac</i>	MFIA/PCR	RADS JPN	06-Jul-2020	0 / 16	0 / 215
<i>P. pneumotropica ade</i>	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 70
<i>P. aeruginosa bd</i>	Culture/PCR	RADS JPN	11-May-2020	0 / 10	0 / 55
<i>Salmonella sp. ade</i>	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 70
<i>S. moniliformis ad</i>	PCR	RADS JPN	11-May-2020	0 / 10	0 / 55
<i>Strep. pneumoniae ade</i>	Culture/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 70
<i>CPIL (Tyzzer's Disease) ac</i>	Exam/MFIA/PCR	RADS JPN	06-Jul-2020	0 / 16	0 / 235
<i>C. bovis bde</i>	PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 70
<b>Pathology</b>					
<i>Gross Exam df</i>	Exam	RADS JPN	11-May-2020	0 / 15	0 / 75

### Parasitology



# 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>Parasitology</b>					
<i>Ectoparasites</i> ade	Exam/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 70
<i>Helminths</i> ade	Exam/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 90
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	24-Jun-2020	0 / 1	0 / 70
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	11-May-2020	0 / 10	0 / 55

\* dashes indicate not tested during specified period.

HOUSED STRAINS

Inbred  
BALB/C  
DBA/1

COLONY POLICY FOR 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;

Other

f = results do not include incidental or strain related findings

## Rat SPF/VAF Report

### Japan

Charles River Laboratories Yokohama

Location

Hino H11 Rats

Health Status

SPF / VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
<b>Virology</b>					
<i>SEND ac</i>	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
<i>PVM ac</i>	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
<i>SDAV ace</i>	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 262
<i>KRV ac</i>	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
<i>H1 ac</i>	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
<i>RPV ac</i>	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
<i>RMV ac</i>	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
<i>REO ac</i>	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
<i>RTV ac</i>	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
<i>LCMV ad</i>	MFIA/PCR	RADS JPN	13-May-2020	0 / 10	0 / 63
<i>HANT ad</i>	MFIA/PCR	RADS JPN	13-May-2020	0 / 10	0 / 63
<i>MAV ad</i>	MFIA/PCR	RADS JPN	13-May-2020	0 / 10	0 / 63
<b>Microbiology</b>					
<i>B. bronchiseptica ade</i>	Culture/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 86
<i>CAR Bacillus ad</i>	MFIA/PCR	RADS JPN	13-May-2020	0 / 10	0 / 63
<i>C. kutscheri ade</i>	Culture/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 86
<i>H. bilis ade</i>	PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 78
<i>H. hepaticus ade</i>	PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 78
<i>Helicobacter sp. ade</i>	PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 78
<i>M. pulmonis ac</i>	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
<i>P. pneumotropica ade</i>	Culture/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 86
<i>P. aeruginosa bd</i>	Culture/PCR	RADS JPN	13-May-2020	0 / 10	0 / 71
<i>Salmonella sp. ade</i>	Culture/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 86
<i>S. moniliformis ad</i>	PCR	RADS JPN	13-May-2020	0 / 10	0 / 63
<i>Strep. pneumoniae ade</i>	Culture/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 86
<i>CPIL (Tyzzer's Disease) ac</i>	Exam/MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 271
<i>Pneumocystis sp. ac</i>	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
<i>C. bovis bde</i>	PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 70
<b>Pathology</b>					
<i>Gross Exam df</i>	Exam	RADS JPN	13-May-2020	0 / 15	0 / 95
<b>Parasitology</b>					
<i>Ectoparasites ade</i>	Exam/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 86
<i>Helminths ade</i>	Exam/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 110
<i>Enteric Protozoa ade</i>	Exam/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 82
<i>E. cuniculi ad</i>	MFIA/PCR	RADS JPN	13-May-2020	0 / 10	0 / 63

\* dashes indicate not tested during specified period.

HOUSED STRAINS



# Rat SPF/VAF Report

## Japan

Charles River Laboratories Yokohama

Location

Hino H11 Rats

Health Status

SPF / VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
	<b>Outbred</b> WISTAR	<b>Inbred</b> F344 SHR WKY			

COLONY POLICY FOR 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;

Other

f = results do not include incidental or strain related findings

## Mouse SPF/VAF Report

### Japan

Charles River Laboratories Yokohama

Location

Hino H12 Mice

Health Status

SPF / VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
<b>Virology</b>					
SEND ac	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
PVM ac	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
MHV ace	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 262
MVM ac	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
MPV ac	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
MNV ace	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 262
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
REO ac	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
EDIM ac	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
LCMV ad	MFIA/PCR	RADS JPN	13-May-2020	0 / 10	0 / 63
ECTRO ad	MFIA/PCR	RADS JPN	13-May-2020	0 / 10	0 / 63
MAV ad	MFIA/PCR	RADS JPN	13-May-2020	0 / 10	0 / 63
MCMV ad	MFIA/PCR	RADS JPN	13-May-2020	0 / 10	0 / 63
K ad	MFIA/PCR	RADS JPN	13-May-2020	0 / 10	0 / 63
POLY ad	MFIA/PCR	RADS JPN	13-May-2020	0 / 10	0 / 63
HANT ad	MFIA/PCR	RADS JPN	13-May-2020	0 / 10	0 / 63
MTLV ad	MFIA/PCR	RADS JPN	13-May-2020	0 / 10	0 / 63
LDV ad	MFIA/PCR	RADS JPN	13-May-2020	0 / 10	0 / 55
<b>Microbiology</b>					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 86
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 110
CAR <i>Bacillus</i> ad	MFIA/PCR	RADS JPN	13-May-2020	0 / 10	0 / 63
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 86
<i>H. bilis</i> ade	PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 78
<i>H. hepaticus</i> ade	PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 78
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 78
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 86
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	13-May-2020	0 / 10	0 / 71
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 86
<i>S. moniliformis</i> ad	PCR	RADS JPN	13-May-2020	0 / 10	0 / 63
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 86
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 271
<i>C. bovis</i> bde	PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 70
<b>Pathology</b>					
Gross Exam dt	Exam	RADS JPN	13-May-2020	0 / 15	0 / 95

### Parasitology

Gross Exam dt	Exam	RADS JPN	13-May-2020	0 / 15	0 / 95
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### Parasitology

**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>Ectoparasites</i> ade	Exam/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 86
<i>Helminths</i> ade	Exam/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 110
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 82
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	13-May-2020	0 / 10	0 / 63

\* dashes indicate not tested during specified period.

HOUSED STRAINS

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

COLONY POLICY FOR 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;

Other

f = results do not include incidental or strain related findings

## Rat SPF/VAF Report

### Japan

Charles River Laboratories Yokohama

Location

Hino H13 Rats

Health Status

SPF / VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
<b>Virology</b>					
<i>SEND ac</i>	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
<i>PVM ac</i>	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
<i>SDAV ace</i>	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 262
<i>KRV ac</i>	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
<i>H1 ac</i>	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
<i>RPV ac</i>	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
<i>RMV ac</i>	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
<i>REO ac</i>	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
<i>RTV ac</i>	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
<i>LCMV ad</i>	MFIA/PCR	RADS JPN	13-May-2020	0 / 10	0 / 63
<i>HANT ad</i>	MFIA/PCR	RADS JPN	13-May-2020	0 / 10	0 / 63
<i>MAV ad</i>	MFIA/PCR	RADS JPN	13-May-2020	0 / 10	0 / 63
<b>Microbiology</b>					
<i>B. bronchiseptica ade</i>	Culture/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 86
<i>CAR Bacillus ad</i>	MFIA/PCR	RADS JPN	13-May-2020	0 / 10	0 / 63
<i>C. kutscheri ade</i>	Culture/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 86
<i>H. bilis ade</i>	PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 78
<i>H. hepaticus ade</i>	PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 78
<i>Helicobacter sp. ade</i>	PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 78
<i>M. pulmonis ac</i>	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
<i>P. pneumotropica ade</i>	Culture/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 86
<i>P. aeruginosa bd</i>	Culture/PCR	RADS JPN	13-May-2020	0 / 10	0 / 71
<i>Salmonella sp. ade</i>	Culture/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 86
<i>S. moniliformis ad</i>	PCR	RADS JPN	13-May-2020	0 / 10	0 / 63
<i>Strep. pneumoniae ade</i>	Culture/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 86
<i>CPIL (Tyzzer's Disease) ac</i>	Exam/MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 271
<i>Pneumocystis sp. ac</i>	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
<i>C. bovis bde</i>	PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 70
<b>Pathology</b>					
<i>Gross Exam df</i>	Exam	RADS JPN	13-May-2020	0 / 15	0 / 95
<b>Parasitology</b>					
<i>Ectoparasites ade</i>	Exam/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 86
<i>Helminths ade</i>	Exam/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 110
<i>Enteric Protozoa ade</i>	Exam/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 82
<i>E. cuniculi ad</i>	MFIA/PCR	RADS JPN	13-May-2020	0 / 10	0 / 63

\* dashes indicate not tested during specified period.

HOUSED STRAINS





# Rat SPF/VAF Report

## Japan

Charles River Laboratories Yokohama

Location

Hino H13 Rats

Health Status

SPF / VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
	<b>Outbred</b> L/E	<b>Inbred</b> BN LEWIS PCK ZDF FA/+ ZDF FA/FA			

COLONY POLICY FOR 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;

Other

f = results do not include incidental or strain related findings

## Rat SPF/VAF Report

### Japan

Charles River Laboratories Yokohama

Location

Hino H21 Rats

Health Status

SPF / VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
<b>Virology</b>					
SEND ac	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
PVM ac	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
SDAV ace	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 262
KRV ac	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
H1 ac	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
RPV ac	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
RMV ac	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
REO ac	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
RTV ac	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
LCMV ad	MFIA/PCR	RADS JPN	13-May-2020	0 / 10	0 / 63
HANT ad	MFIA/PCR	RADS JPN	13-May-2020	0 / 10	0 / 63
MAV ad	MFIA/PCR	RADS JPN	13-May-2020	0 / 10	0 / 63
<b>Microbiology</b>					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 86
CAR Bacillus ad	MFIA/PCR	RADS JPN	13-May-2020	0 / 10	0 / 63
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 86
<i>H. bilis</i> ade	PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 78
<i>H. hepaticus</i> ade	PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 78
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 78
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 86
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	13-May-2020	0 / 10	0 / 71
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 86
<i>S. moniliformis</i> ad	PCR	RADS JPN	13-May-2020	0 / 10	0 / 63
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 86
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 271
<i>Pneumocystis</i> sp. ac	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
<i>C. bovis</i> bde	PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 70
<b>Pathology</b>					
Gross Exam df	Exam	RADS JPN	13-May-2020	0 / 15	0 / 95
<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 86
Helminths ade	Exam/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 110
Enteric Protozoa ade	Exam/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 82
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	13-May-2020	0 / 10	0 / 63

\* dashes indicate not tested during specified period.

HOUSED STRAINS



## Rat SPF/VAF Report

### Japan

Charles River Laboratories Yokohama

Location

Hino H21 Rats

Health Status

SPF / VAF

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
	Outbred CD				

COLONY POLICY FOR 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;

Other

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	08-Jul-2020	0 / 16	0 / 247
PVM ac	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
MHV ace	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 262
MVM ac	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
MPV ac	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
MNV ace	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 262
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
REO ac	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
EDIM ac	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
LCMV ad	MFIA/PCR	RADS JPN	13-May-2020	0 / 10	0 / 63
ECTRO ad	MFIA/PCR	RADS JPN	13-May-2020	0 / 10	0 / 63
MAV ad	MFIA/PCR	RADS JPN	13-May-2020	0 / 10	0 / 63
MCMV ad	MFIA/PCR	RADS JPN	13-May-2020	0 / 10	0 / 63
K ad	MFIA/PCR	RADS JPN	13-May-2020	0 / 10	0 / 63
POLY ad	MFIA/PCR	RADS JPN	13-May-2020	0 / 10	0 / 63
HANT ad	MFIA/PCR	RADS JPN	13-May-2020	0 / 10	0 / 63
MTLV ad	MFIA/PCR	RADS JPN	13-May-2020	0 / 10	0 / 63
LDV ad	MFIA/PCR	RADS JPN	13-May-2020	0 / 10	0 / 55
<b>Microbiology</b>					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 86
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 110
CAR Bacillus ad	MFIA/PCR	RADS JPN	13-May-2020	0 / 10	0 / 63
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 86
<i>H. bilis</i> ade	PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 78
<i>H. hepaticus</i> ade	PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 78
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 78
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 247
<i>P. pneumotropica</i> ade	Culture/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 86
<i>P. aeruginosa</i> bd	Culture/PCR	RADS JPN	13-May-2020	0 / 10	0 / 71
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 86
<i>S. moniliformis</i> ad	PCR	RADS JPN	13-May-2020	0 / 10	0 / 63
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 86
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	08-Jul-2020	0 / 16	0 / 271
<i>C. bovis</i> bde	PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 70
<b>Pathology</b>					
Gross Exam dtf	Exam	RADS JPN	13-May-2020	0 / 15	0 / 95

**Parasitology**



# 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>Ectoparasites</i> ade	Exam/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 86
<i>Helminths</i> ade	Exam/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 110
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	25-Jun-2020	0 / 1	0 / 82
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	13-May-2020	0 / 10	0 / 63

\* dashes indicate not tested during specified period.

### HOUSED STRAINS

**Outbred**  
CD-1

**Inbred**  
C3H  
C57BL/6N  
DBA/2

**Hybrid**  
B6C3F1  
BDF-1

COLONY POLICY FOR 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;

Other

f = results do not include incidental or strain related findings

## Immunodeficient Mouse SPF/VAF Report (Isolator)

### Japan

Charles River Laboratories Yokohama

Location

Tsukuba T21 Mice

Health Status

SPF Isolator

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
<b>Virology</b>					
SEND ac	PCR	RADS JPN	07-Jul-2020	0 / 12	0 / 474
PVM ac	PCR	RADS JPN	07-Jul-2020	0 / 12	0 / 474
MHV ac	PCR	RADS JPN	07-Jul-2020	0 / 12	0 / 474
MVM ac	PCR	RADS JPN	07-Jul-2020	0 / 12	0 / 474
MPV ac	PCR	RADS JPN	07-Jul-2020	0 / 12	0 / 474
MNV ac	PCR	RADS JPN	07-Jul-2020	0 / 12	0 / 474
TMEV (GDVII) ac	PCR	RADS JPN	07-Jul-2020	0 / 12	0 / 474
REO ac	PCR	RADS JPN	07-Jul-2020	0 / 12	0 / 474
EDIM ac	PCR	RADS JPN	07-Jul-2020	0 / 12	0 / 474
LCMV a	PCR	RADS JPN	01-Jul-2020	0 / 12	0 / 266
ECTRO a	PCR	RADS JPN	01-Jul-2020	0 / 12	0 / 266
MAV a	PCR	RADS JPN	01-Jul-2020	0 / 12	0 / 266
MCMV a	PCR	RADS JPN	01-Jul-2020	0 / 12	0 / 266
K a	PCR	RADS JPN	01-Jul-2020	0 / 12	0 / 266
POLY a	PCR	RADS JPN	01-Jul-2020	0 / 12	0 / 266
HANT a	PCR	RADS JPN	01-Jul-2020	0 / 12	0 / 266
MTLV a	PCR	RADS JPN	01-Jul-2020	0 / 12	0 / 266
LDV a	PCR	RADS JPN	01-Jul-2020	0 / 12	0 / 244

### Microbiology

<i>B. bronchiseptica</i> abc	Culture/PCR	RADS JPN	07-Jul-2020	0 / 53	0 / 1,218
<i>C. rodentium</i> abc	Culture/PCR	RADS JPN	07-Jul-2020	0 / 53	0 / 1,218
CAR Bacillus a	PCR	RADS JPN	01-Jul-2020	0 / 12	0 / 266
<i>C. kutscheri</i> abc	Culture/PCR	RADS JPN	07-Jul-2020	0 / 53	0 / 1,218
<i>H. bilis</i> ac	PCR	RADS JPN	07-Jul-2020	0 / 12	0 / 485
<i>H. hepaticus</i> ac	PCR	RADS JPN	07-Jul-2020	0 / 12	0 / 485
<i>Helicobacter</i> sp. ac	PCR	RADS JPN	07-Jul-2020	0 / 12	0 / 485
<i>M. pulmonis</i> ac	PCR	RADS JPN	07-Jul-2020	0 / 12	0 / 506
<i>P. pneumotropica</i> abc	Culture/PCR	RADS JPN	07-Jul-2020	0 / 53	0 / 1,218
<i>P. aeruginosa</i> abc	Culture/PCR	RADS JPN	07-Jul-2020	0 / 53	0 / 1,218
<i>Salmonella</i> sp. abc	Culture/PCR	RADS JPN	07-Jul-2020	0 / 53	0 / 1,218
<i>Staph. aureus</i> abc	Culture/PCR	RADS JPN	07-Jul-2020	0 / 53	0 / 1,218
<i>S. moniliformis</i> a	PCR	RADS JPN	01-Jul-2020	0 / 12	0 / 298
<i>Strep. pneumoniae</i> abc	Culture/PCR	RADS JPN	07-Jul-2020	0 / 53	0 / 1,218
Beta Strep. sp. a	Culture/PCR	RADS JPN	01-Jul-2020	0 / 12	0 / 349
CPIL (Tyzzer's Disease) ac	Exam/PCR	RADS JPN	07-Jul-2020	0 / 12	0 / 536
<i>Pneumocystis</i> sp. ac	PCR	RADS JPN	07-Jul-2020	0 / 12	0 / 466
<i>C. bovis</i> ac	PCR	RADS JPN	07-Jul-2020	0 / 12	0 / 431

### Pathology

## Immunodeficient Mouse SPF/VAF Report (Isolator)

### Japan

Charles River Laboratories Yokohama

Location

Tsukuba T21 Mice

Health Status

SPF Isolator

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
<b>Pathology</b>					
Gross Exam ad	Exam	RADS JPN	01-Jul-2020	0 / 12	0 / 349
<b>Parasitology</b>					
Ectoparasites a	Exam/PCR	RADS JPN	01-Jul-2020	0 / 12	0 / 349
Helminths a	Exam/PCR	RADS JPN	01-Jul-2020	0 / 12	0 / 349
Enteric Protozoa a	Exam/PCR	RADS JPN	01-Jul-2020	0 / 12	0 / 318
E. cuniculi a	PCR	RADS JPN	01-Jul-2020	0 / 12	0 / 266

\* dashes indicate not tested during specified period.

HOUSED STRAINS

**Outbred**  
SHO

**Other Strains**  
Congenic  
NSG

COLONY POLICY FOR POSITIVE RESULT: immediate termination

TESTING SCHEDULE: a = screened annually; b = environmental bacteriology is done 11 times a year; c = environmental PCR is done triannually

Other

d = results do not include incidental or strain related findings



## Immunodeficient Mouse SPF/VAF Report (Isolator)

### Japan

Charles River Laboratories Yokohama

Location

Tsukuba T22 Mice

Health Status

SPF Isolator

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
<b>Virology</b>					
<i>SEND ac</i>	PCR	RADS JPN	14-Jul-2020	0 / 9	0 / 373
<i>PVM ac</i>	PCR	RADS JPN	14-Jul-2020	0 / 9	0 / 373
<i>MHV ac</i>	PCR	RADS JPN	14-Jul-2020	0 / 9	0 / 373
<i>MVM ac</i>	PCR	RADS JPN	14-Jul-2020	0 / 9	0 / 373
<i>MPV ac</i>	PCR	RADS JPN	14-Jul-2020	0 / 9	0 / 373
<i>MNV ac</i>	PCR	RADS JPN	14-Jul-2020	0 / 9	0 / 373
<i>TMEV (GDVII) ac</i>	PCR	RADS JPN	14-Jul-2020	0 / 9	0 / 373
<i>REO ac</i>	PCR	RADS JPN	14-Jul-2020	0 / 9	0 / 373
<i>EDIM ac</i>	PCR	RADS JPN	14-Jul-2020	0 / 9	0 / 373
<i>LCMV a</i>	PCR	RADS JPN	01-Jul-2020	0 / 12	0 / 214
<i>ECTRO a</i>	PCR	RADS JPN	01-Jul-2020	0 / 12	0 / 214
<i>MAV a</i>	PCR	RADS JPN	01-Jul-2020	0 / 12	0 / 214
<i>MCMV a</i>	PCR	RADS JPN	01-Jul-2020	0 / 12	0 / 214
<i>K a</i>	PCR	RADS JPN	01-Jul-2020	0 / 12	0 / 214
<i>POLY a</i>	PCR	RADS JPN	01-Jul-2020	0 / 12	0 / 214
<i>HANT a</i>	PCR	RADS JPN	01-Jul-2020	0 / 12	0 / 214
<i>MTLV a</i>	PCR	RADS JPN	01-Jul-2020	0 / 12	0 / 214
<i>LDV a</i>	PCR	RADS JPN	01-Jul-2020	0 / 12	0 / 200

### Microbiology

<i>B. bronchiseptica abc</i>	Culture/PCR	RADS JPN	14-Jul-2020	0 / 44	0 / 969
<i>C. rodentium abc</i>	Culture/PCR	RADS JPN	14-Jul-2020	0 / 44	0 / 969
<i>CAR Bacillus a</i>	PCR	RADS JPN	01-Jul-2020	0 / 12	0 / 214
<i>C. kutscheri abc</i>	Culture/PCR	RADS JPN	14-Jul-2020	0 / 44	0 / 969
<i>H. bilis ac</i>	PCR	RADS JPN	14-Jul-2020	0 / 9	0 / 390
<i>H. hepaticus ac</i>	PCR	RADS JPN	14-Jul-2020	0 / 9	0 / 390
<i>Helicobacter sp. ac</i>	PCR	RADS JPN	14-Jul-2020	0 / 9	0 / 390
<i>M. pulmonis ac</i>	PCR	RADS JPN	14-Jul-2020	0 / 9	0 / 401
<i>P. pneumotropica abc</i>	Culture/PCR	RADS JPN	14-Jul-2020	0 / 44	0 / 969
<i>P. aeruginosa abc</i>	Culture/PCR	RADS JPN	14-Jul-2020	0 / 44	0 / 969
<i>Salmonella sp. abc</i>	Culture/PCR	RADS JPN	14-Jul-2020	0 / 44	0 / 969
<i>Staph. aureus abc</i>	Culture/PCR	RADS JPN	14-Jul-2020	0 / 44	0 / 969
<i>S. moniliformis a</i>	PCR	RADS JPN	01-Jul-2020	0 / 12	0 / 242
<i>Strep. pneumoniae abc</i>	Culture/PCR	RADS JPN	14-Jul-2020	0 / 44	0 / 969
<i>Beta Strep. sp. a</i>	Culture/PCR	RADS JPN	01-Jul-2020	0 / 12	0 / 275
<i>CPIL (Tyzzer's Disease) ac</i>	Exam/PCR	RADS JPN	14-Jul-2020	0 / 9	0 / 423
<i>Pneumocystis sp. ac</i>	PCR	RADS JPN	14-Jul-2020	0 / 9	0 / 373
<i>C. bovis ac</i>	PCR	RADS JPN	14-Jul-2020	0 / 9	0 / 348

### Pathology





## Immunodeficient Mouse SPF/VAF Report (Isolator)

### Japan

Charles River Laboratories Yokohama

Location

Tsukuba T22 Mice

Health Status

SPF Isolator

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
<b>Pathology</b>					
Gross Exam ad	Exam	RADS JPN	01-Jul-2020	0 / 12	0 / 275
<b>Parasitology</b>					
Ectoparasites a	Exam/PCR	RADS JPN	01-Jul-2020	0 / 12	0 / 275
Helminths a	Exam/PCR	RADS JPN	01-Jul-2020	0 / 12	0 / 275
Enteric Protozoa a	Exam/PCR	RADS JPN	01-Jul-2020	0 / 12	0 / 250
E. cuniculi a	PCR	RADS JPN	01-Jul-2020	0 / 12	0 / 214

\* dashes indicate not tested during specified period.

HOUSED STRAINS

#### Other Strains

Congenic

CB17SCID

COLONY POLICY FOR POSITIVE RESULT: immediate termination

TESTING SCHEDULE: a = screened annually; b = environmental bacteriology is done 11 times a year; c = environmental PCR is done triannually

Other

d = results do not include incidental or strain related findings

## Immunodeficient Mouse SPF/VAF Report (Isolator)

### Japan

Charles River Laboratories Yokohama

Location

Tsukuba T23 Mice

Health Status

SPF Isolator

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
<b>Virology</b>					
<i>SEND ac</i>	PCR	RADS JPN	21-Jul-2020	0 / 12	0 / 516
<i>PVM ac</i>	PCR	RADS JPN	21-Jul-2020	0 / 12	0 / 516
<i>MHV ac</i>	PCR	RADS JPN	21-Jul-2020	0 / 12	0 / 516
<i>MVM ac</i>	PCR	RADS JPN	21-Jul-2020	0 / 12	0 / 516
<i>MPV ac</i>	PCR	RADS JPN	21-Jul-2020	0 / 12	0 / 516
<i>MNV ac</i>	PCR	RADS JPN	21-Jul-2020	0 / 12	0 / 516
<i>TMEV (GDVII) ac</i>	PCR	RADS JPN	21-Jul-2020	0 / 12	0 / 516
<i>REO ac</i>	PCR	RADS JPN	21-Jul-2020	0 / 12	0 / 516
<i>EDIM ac</i>	PCR	RADS JPN	21-Jul-2020	0 / 12	0 / 516
<i>LCMV a</i>	PCR	RADS JPN	06-Jul-2020	0 / 24	0 / 303
<i>ECTRO a</i>	PCR	RADS JPN	06-Jul-2020	0 / 24	0 / 303
<i>MAV a</i>	PCR	RADS JPN	06-Jul-2020	0 / 24	0 / 303
<i>MCMV a</i>	PCR	RADS JPN	06-Jul-2020	0 / 24	0 / 303
<i>K a</i>	PCR	RADS JPN	06-Jul-2020	0 / 24	0 / 303
<i>POLY a</i>	PCR	RADS JPN	06-Jul-2020	0 / 24	0 / 303
<i>HANT a</i>	PCR	RADS JPN	06-Jul-2020	0 / 24	0 / 303
<i>MTLV a</i>	PCR	RADS JPN	06-Jul-2020	0 / 24	0 / 303
<i>LDV a</i>	PCR	RADS JPN	06-Jul-2020	0 / 24	0 / 288

### Microbiology

<i>B. bronchiseptica abc</i>	Culture/PCR	RADS JPN	21-Jul-2020	0 / 61	0 / 1,314
<i>C. rodentium abc</i>	Culture/PCR	RADS JPN	21-Jul-2020	0 / 61	0 / 1,314
<i>CAR Bacillus a</i>	PCR	RADS JPN	06-Jul-2020	0 / 24	0 / 303
<i>C. kutscheri abc</i>	Culture/PCR	RADS JPN	21-Jul-2020	0 / 61	0 / 1,314
<i>H. bilis ac</i>	PCR	RADS JPN	21-Jul-2020	0 / 12	0 / 529
<i>H. hepaticus ac</i>	PCR	RADS JPN	21-Jul-2020	0 / 12	0 / 529
<i>Helicobacter sp. ac</i>	PCR	RADS JPN	21-Jul-2020	0 / 12	0 / 529
<i>M. pulmonis ac</i>	PCR	RADS JPN	21-Jul-2020	0 / 12	0 / 546
<i>P. pneumotropica abc</i>	Culture/PCR	RADS JPN	21-Jul-2020	0 / 61	0 / 1,314
<i>P. aeruginosa abc</i>	Culture/PCR	RADS JPN	21-Jul-2020	0 / 61	0 / 1,314
<i>Salmonella sp. abc</i>	Culture/PCR	RADS JPN	21-Jul-2020	0 / 61	0 / 1,314
<i>Staph. aureus abc</i>	Culture/PCR	RADS JPN	21-Jul-2020	0 / 61	0 / 1,314
<i>S. moniliformis a</i>	PCR	RADS JPN	06-Jul-2020	0 / 24	0 / 333
<i>Strep. pneumoniae abc</i>	Culture/PCR	RADS JPN	21-Jul-2020	0 / 61	0 / 1,314
<i>Beta Strep. sp. a</i>	Culture/PCR	RADS JPN	06-Jul-2020	0 / 24	0 / 384
<i>CPIL (Tyzzer's Disease) ac</i>	Exam/PCR	RADS JPN	21-Jul-2020	0 / 12	0 / 580
<i>Pneumocystis sp. ac</i>	PCR	RADS JPN	21-Jul-2020	0 / 12	0 / 516
<i>C. bovis ac</i>	PCR	RADS JPN	21-Jul-2020	0 / 12	0 / 484

### Pathology

## Immunodeficient Mouse SPF/VAF Report (Isolator)

### Japan

Charles River Laboratories Yokohama

*Location*

Tsukuba T23 Mice

*Health Status*

SPF Isolator

Summary Item	Method	Primary Lab	Most Recent		Past 18 Months
			Test Date	Positive / Tested	Positive / Tested
<b>Pathology</b>					
Gross Exam ad	Exam	RADS JPN	06-Jul-2020	0 / 24	0 / 384
<b>Parasitology</b>					
Ectoparasites a	Exam/PCR	RADS JPN	06-Jul-2020	0 / 24	0 / 384
Helminths a	Exam/PCR	RADS JPN	06-Jul-2020	0 / 24	0 / 384
Enteric Protozoa a	Exam/PCR	RADS JPN	06-Jul-2020	0 / 24	0 / 352
E. cuniculi a	PCR	RADS JPN	06-Jul-2020	0 / 24	0 / 303

\* dashes indicate not tested during specified period.

HOUSED STRAINS

**Other Strains**

Congenic

NOD SCID J

SCIDBEIGE

COLONY POLICY FOR POSITIVE RESULT: immediate termination

TESTING SCHEDULE: a = screened annually; b = environmental bacteriology is done 11 times a year; c = environmental PCR is done triannually

Other

d = results do not include incidental or strain related findings