

2021年4月26日

お客様 各位

生産動物 微生物モニタリング結果報告書

(2021年4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>					
SEND ac	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 262
PVM ac	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 262
MHV ace	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 279
MVM ac	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 262
MPV ac	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 262
MNV ace	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 279
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 262
REO ac	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 262
EDIM ac	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 262
LCMV ad	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
ECTRO ad	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
MAV ad	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
MCMV ad	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
K ad	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
POLY ad	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
HANT ad	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
MTLV ad	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
LDV ad	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
<b>Microbiology</b>					
<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 107
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 107
<i>F. rodentium</i> (CAR Bacillus) ad	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 107
<i>H. bilis</i> ade	PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 107
<i>H. hepaticus</i> ade	PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 107
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 107
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 282
<i>R. heyltii</i> ( <i>P.pneumotropica</i> ) ade	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 107
<i>R. pneumotropicus</i> ( <i>P.pneumotropica</i> ) ade	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 107
<i>P. aeruginosa</i> ade	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 107
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 107
<i>Staph. aureus</i> ade	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 107
<i>S. moniliformis</i> ad	PCR	RADS JPN	01-Feb-2021	0 / 15	0 / 90
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 107
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 282
<i>Pneumocystis</i> sp. ad	PCR	RADS JPN	01-Feb-2021	0 / 5	0 / 40
<i>C. bovis</i> ade	PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 107

## Pathology



# 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>Pathology</b>					
Gross Exam df	Exam	RADS JPN	01-Feb-2021	0 / 15	0 / 90
<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 92
Helminths ade	Exam/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 107
Enteric Protozoa ade	Exam/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
E. cuniculi ad	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70

\* 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	12-Apr-2021	0 / 16	0 / 262
PVM ac	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 262
MHV ace	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 279
MVM ac	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 262
MPV ac	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 262
MNV ace	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 279
TMEV (GDVII) ac	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 262
REO ac	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 262
EDIM ac	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 262
LCMV ad	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
ECTRO ad	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
MAV ad	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
MCMV ad	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
K ad	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
POLY ad	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
HANT ad	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
MTLV ad	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
LDV ad	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70

### Microbiology

<i>B. bronchiseptica</i> ade	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 107
<i>C. rodentium</i> ade	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 107
<i>F. rodentium</i> (CAR Bacillus) ad	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
<i>C. kutscheri</i> ade	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 107
<i>H. bilis</i> ade	PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 107
<i>H. hepaticus</i> ade	PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 107
<i>Helicobacter</i> sp. ade	PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 107
<i>M. pulmonis</i> ac	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 282
<i>R. heyltii</i> ( <i>P.pneumotropica</i> ) ade	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 107
<i>R. pneumotropicus</i> ( <i>P.pneumotropica</i> ) ade	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 107
<i>P. aeruginosa</i> ade	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 107
<i>Salmonella</i> sp. ade	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 107
<i>Staph. aureus</i> ade	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 107
<i>S. moniliformis</i> ad	PCR	RADS JPN	01-Feb-2021	0 / 15	0 / 90
<i>Strep. pneumoniae</i> ade	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 107
CPIL (Tyzzer's Disease) ac	Exam/MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 282
<i>Pneumocystis</i> sp. ad	PCR	RADS JPN	01-Feb-2021	0 / 5	0 / 40
<i>C. bovis</i> ade	PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 107

### Pathology



# 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>Pathology</b>					
Gross Exam df	Exam	RADS JPN	01-Feb-2021	0 / 15	0 / 90
<b>Parasitology</b>					
Ectoparasites ade	Exam/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 92
Helminths ade	Exam/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 107
Enteric Protozoa ade	Exam/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
E. cuniculi ad	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70

\* 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	12-Apr-2021	0 / 16	0 / 262
<i>PVM ac</i>	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 262
<i>MHV ace</i>	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 279
<i>MVM ac</i>	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 262
<i>MPV ac</i>	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 262
<i>MNV ace</i>	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 279
<i>TMEV (GDVII) ac</i>	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 262
<i>REO ac</i>	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 262
<i>EDIM ac</i>	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 262
<i>LCMV ad</i>	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
<i>ECTRO ad</i>	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
<i>MAV ad</i>	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
<i>MCMV ad</i>	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
<i>K ad</i>	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
<i>POLY ad</i>	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
<i>HANT ad</i>	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
<i>MTLV ad</i>	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
<i>LDV ad</i>	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
<b>Microbiology</b>					
<i>B. bronchiseptica ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>C. rodentium ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 107
<i>F. rodentium (CAR Bacillus) ad</i>	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
<i>C. kutscheri ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>H. bilis ade</i>	PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>H. hepaticus ade</i>	PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>Helicobacter sp. ade</i>	PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>M. pulmonis ac</i>	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 262
<i>R. heyltii (P.pneumotropica) ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>R. pneumotropicus (P.pneumotropica) ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>P. aeruginosa bd</i>	Culture/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
<i>Salmonella sp. ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>S. moniliformis ad</i>	PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
<i>Strep. pneumoniae ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>CPIL (Tyzzer's Disease) ac</i>	Exam/MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 282
<i>C. bovis bde</i>	PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<b>Pathology</b>					
<i>Gross Exam df</i>	Exam	RADS JPN	01-Feb-2021	0 / 15	0 / 90

**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-Mar-2021	0 / 1	0 / 87
<i>Helminths</i> ade	Exam/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 107
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70

\* 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>					
<i>SEND ac</i>	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 262
<i>PVM ac</i>	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 262
<i>MHV ace</i>	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 279
<i>MVM ac</i>	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 262
<i>MPV ac</i>	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 262
<i>MNV ace</i>	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 279
<i>TMEV (GDVII) ac</i>	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 262
<i>REO ac</i>	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 262
<i>EDIM ac</i>	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 262
<i>LCMV ad</i>	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
<i>ECTRO ad</i>	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
<i>MAV ad</i>	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
<i>MCMV ad</i>	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
<i>K ad</i>	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
<i>POLY ad</i>	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
<i>HANT ad</i>	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
<i>MTLV ad</i>	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
<i>LDV ad</i>	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
<b>Microbiology</b>					
<i>B. bronchiseptica ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>C. rodentium ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 107
<i>F. rodentium (CAR Bacillus) ad</i>	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
<i>C. kutscheri ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>H. bilis ade</i>	PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>H. hepaticus ade</i>	PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>Helicobacter sp. ade</i>	PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>M. pulmonis ac</i>	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 262
<i>R. heyltii (P.pneumotropica) ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>R. pneumotropicus (P.pneumotropica) ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>P. aeruginosa bd</i>	Culture/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
<i>Salmonella sp. ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>S. moniliformis ad</i>	PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
<i>Strep. pneumoniae ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>CPIL (Tyzzer's Disease) ac</i>	Exam/MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 282
<i>C. bovis bde</i>	PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<b>Pathology</b>					
<i>Gross Exam df</i>	Exam	RADS JPN	01-Feb-2021	0 / 15	0 / 90



**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 ade</i>	Exam/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>Helminths ade</i>	Exam/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 107
<i>Enteric Protozoa ade</i>	Exam/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>E. cuniculi ad</i>	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70

\* 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 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>					
<i>SEND ac</i>	MFIA/PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 262
<i>PVM ac</i>	MFIA/PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 262
<i>SDAV ace</i>	MFIA/PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 279
<i>KRV ac</i>	MFIA/PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 262
<i>H1 ac</i>	MFIA/PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 262
<i>RPV ac</i>	MFIA/PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 262
<i>RMV ac</i>	MFIA/PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 262
<i>REO ac</i>	MFIA/PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 262
<i>RTV ac</i>	MFIA/PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 262
<i>LCMV ad</i>	MFIA/PCR	RADS JPN	08-Feb-2021	0 / 10	0 / 70
<i>HANT ad</i>	MFIA/PCR	RADS JPN	08-Feb-2021	0 / 10	0 / 70
<i>MAV ad</i>	MFIA/PCR	RADS JPN	08-Feb-2021	0 / 10	0 / 70
<b>Microbiology</b>					
<i>B. bronchiseptica ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>F. rodentium (CAR Bacillus) ad</i>	MFIA/PCR	RADS JPN	08-Feb-2021	0 / 10	0 / 70
<i>C. kutscheri ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>H. bilis ade</i>	PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>H. hepaticus ade</i>	PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>Helicobacter sp. ade</i>	PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>M. pulmonis ac</i>	MFIA/PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 262
<i>R. heyltii (P.pneumotropica) ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>R. pneumotropicus (P.pneumotropica) ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>P. aeruginosa bd</i>	Culture/PCR	RADS JPN	08-Feb-2021	0 / 10	0 / 70
<i>Salmonella sp. ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>S. moniliformis ad</i>	PCR	RADS JPN	08-Feb-2021	0 / 10	0 / 70
<i>Strep. pneumoniae ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>CPIL (Tyzzer's Disease) ac</i>	Exam/MFIA/PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 282
<i>Pneumocystis sp. ac</i>	MFIA/PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 262
<i>C. bovis bde</i>	PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<b>Pathology</b>					
<i>Gross Exam df</i>	Exam	RADS JPN	08-Feb-2021	0 / 15	0 / 90
<b>Parasitology</b>					
<i>Ectoparasites ade</i>	Exam/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>Helminths ade</i>	Exam/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 107
<i>Enteric Protozoa ade</i>	Exam/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>E. cuniculi ad</i>	MFIA/PCR	RADS JPN	08-Feb-2021	0 / 10	0 / 70

\* dashes indicate not tested during specified period.



## 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
HOUSED STRAINS					
	<b>Outbred</b>				
	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	05-Apr-2021	0 / 16	0 / 262
<i>PVM ac</i>	MFIA/PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 262
<i>MHV ace</i>	MFIA/PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 279
<i>MVM ac</i>	MFIA/PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 262
<i>MPV ac</i>	MFIA/PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 262
<i>MNV ace</i>	MFIA/PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 279
<i>TMEV (GDVII) ac</i>	MFIA/PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 262
<i>REO ac</i>	MFIA/PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 262
<i>EDIM ac</i>	MFIA/PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 262
<i>LCMV ad</i>	MFIA/PCR	RADS JPN	08-Feb-2021	0 / 10	0 / 70
<i>ECTRO ad</i>	MFIA/PCR	RADS JPN	08-Feb-2021	0 / 10	0 / 70
<i>MAV ad</i>	MFIA/PCR	RADS JPN	08-Feb-2021	0 / 10	0 / 70
<i>MCMV ad</i>	MFIA/PCR	RADS JPN	08-Feb-2021	0 / 10	0 / 70
<i>K ad</i>	MFIA/PCR	RADS JPN	08-Feb-2021	0 / 10	0 / 70
<i>POLY ad</i>	MFIA/PCR	RADS JPN	08-Feb-2021	0 / 10	0 / 70
<i>HANT ad</i>	MFIA/PCR	RADS JPN	08-Feb-2021	0 / 10	0 / 70
<i>MTLV ad</i>	MFIA/PCR	RADS JPN	08-Feb-2021	0 / 10	0 / 70
<i>LDV ad</i>	MFIA/PCR	RADS JPN	08-Feb-2021	0 / 10	0 / 70
<b>Microbiology</b>					
<i>B. bronchiseptica ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>C. rodentium ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 107
<i>F. rodentium (CAR Bacillus) ad</i>	MFIA/PCR	RADS JPN	08-Feb-2021	0 / 10	0 / 70
<i>C. kutscheri ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>H. bilis ade</i>	PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>H. hepaticus ade</i>	PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>Helicobacter sp. ade</i>	PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>M. pulmonis ac</i>	MFIA/PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 262
<i>R. heylii (P.pneumotropica) ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>R. pneumotropicus (P.pneumotropica) ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>P. aeruginosa bd</i>	Culture/PCR	RADS JPN	08-Feb-2021	0 / 10	0 / 70
<i>Salmonella sp. ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>S. moniliformis ad</i>	PCR	RADS JPN	08-Feb-2021	0 / 10	0 / 70
<i>Strep. pneumoniae ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>CPIL (Tyzzer's Disease) ac</i>	Exam/MFIA/PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 282
<i>C. bovis bde</i>	PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<b>Pathology</b>					
<i>Gross Exam df</i>	Exam	RADS JPN	08-Feb-2021	0 / 15	0 / 90



# 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-Mar-2021	0 / 1	0 / 87
<i>Helminths</i> ade	Exam/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 107
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	08-Feb-2021	0 / 10	0 / 70

\* dashes indicate not tested during specified period.

### HOUSED STRAINS

**Inbred**  
BALB/C  
DBA/2

**Hybrid**  
CDF-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

## 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	12-Apr-2021	0 / 16	0 / 262
<i>PVM ac</i>	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 262
<i>MHV ace</i>	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 279
<i>MVM ac</i>	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 262
<i>MPV ac</i>	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 262
<i>MNV ace</i>	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 279
<i>TMEV (GDVII) ac</i>	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 262
<i>REO ac</i>	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 262
<i>EDIM ac</i>	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 262
<i>LCMV ad</i>	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
<i>ECTRO ad</i>	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
<i>MAV ad</i>	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
<i>MCMV ad</i>	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
<i>K ad</i>	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
<i>POLY ad</i>	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
<i>HANT ad</i>	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
<i>MTLV ad</i>	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
<i>LDV ad</i>	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
<b>Microbiology</b>					
<i>B. bronchiseptica ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>C. rodentium ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 107
<i>F. rodentium (CAR Bacillus) ad</i>	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
<i>C. kutscheri ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>H. bilis ade</i>	PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>H. hepaticus ade</i>	PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>Helicobacter sp. ade</i>	PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>M. pulmonis ac</i>	MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 262
<i>R. heyltii (P.pneumotropica) ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>R. pneumotropicus (P.pneumotropica) ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>P. aeruginosa bd</i>	Culture/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
<i>Salmonella sp. ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>S. moniliformis ad</i>	PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70
<i>Strep. pneumoniae ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>CPIL (Tyzzer's Disease) ac</i>	Exam/MFIA/PCR	RADS JPN	12-Apr-2021	0 / 16	0 / 282
<i>C. bovis bde</i>	PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<b>Pathology</b>					
<i>Gross Exam df</i>	Exam	RADS JPN	01-Feb-2021	0 / 15	0 / 90

**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-Mar-2021	0 / 1	0 / 87
<i>Helminths</i> ade	Exam/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 107
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	01-Feb-2021	0 / 10	0 / 70

\* 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	05-Apr-2021	0 / 16	0 / 262
<i>PVM ac</i>	MFIA/PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 262
<i>MHV ace</i>	MFIA/PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 279
<i>MVM ac</i>	MFIA/PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 262
<i>MPV ac</i>	MFIA/PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 262
<i>MNV ace</i>	MFIA/PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 279
<i>TMEV (GDVII) ac</i>	MFIA/PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 262
<i>REO ac</i>	MFIA/PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 262
<i>EDIM ac</i>	MFIA/PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 262
<i>LCMV ad</i>	MFIA/PCR	RADS JPN	08-Feb-2021	0 / 10	0 / 70
<i>ECTRO ad</i>	MFIA/PCR	RADS JPN	08-Feb-2021	0 / 10	0 / 70
<i>MAV ad</i>	MFIA/PCR	RADS JPN	08-Feb-2021	0 / 10	0 / 70
<i>MCMV ad</i>	MFIA/PCR	RADS JPN	08-Feb-2021	0 / 10	0 / 70
<i>K ad</i>	MFIA/PCR	RADS JPN	08-Feb-2021	0 / 10	0 / 70
<i>POLY ad</i>	MFIA/PCR	RADS JPN	08-Feb-2021	0 / 10	0 / 70
<i>HANT ad</i>	MFIA/PCR	RADS JPN	08-Feb-2021	0 / 10	0 / 70
<i>MTLV ad</i>	MFIA/PCR	RADS JPN	08-Feb-2021	0 / 10	0 / 70
<i>LDV ad</i>	MFIA/PCR	RADS JPN	08-Feb-2021	0 / 10	0 / 70
<b>Microbiology</b>					
<i>B. bronchiseptica ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>C. rodentium ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 107
<i>F. rodentium (CAR Bacillus) ad</i>	MFIA/PCR	RADS JPN	08-Feb-2021	0 / 10	0 / 70
<i>C. kutscheri ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>H. bilis ade</i>	PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>H. hepaticus ade</i>	PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>Helicobacter sp. ade</i>	PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>M. pulmonis ac</i>	MFIA/PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 262
<i>R. heyltii (P.pneumotropica) ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>R. pneumotropicus (P.pneumotropica) ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>P. aeruginosa bd</i>	Culture/PCR	RADS JPN	08-Feb-2021	0 / 10	0 / 70
<i>Salmonella sp. ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>S. moniliformis ad</i>	PCR	RADS JPN	08-Feb-2021	0 / 10	0 / 70
<i>Strep. pneumoniae ade</i>	Culture/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>CPIL (Tyzzer's Disease) ac</i>	Exam/MFIA/PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 282
<i>C. bovis bde</i>	PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<b>Pathology</b>					
<i>Gross Exam df</i>	Exam	RADS JPN	08-Feb-2021	0 / 15	0 / 90





# 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-Mar-2021	0 / 1	0 / 87
<i>Helminths</i> ade	Exam/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 107
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	24-Mar-2021	0 / 1	0 / 87
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	08-Feb-2021	0 / 10	0 / 70

\* 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	07-Apr-2021	0 / 16	0 / 262
<i>PVM ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>SDAV ace</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 279
<i>KRV ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>H1 ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>RPV ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>RMV ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>REO ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>RTV ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>LCMV ad</i>	MFIA/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<i>HANT ad</i>	MFIA/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<i>MAV ad</i>	MFIA/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<b>Microbiology</b>					
<i>B. bronchiseptica ade</i>	Culture/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>F. rodentium (CAR Bacillus) ad</i>	MFIA/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<i>C. kutscheri ade</i>	Culture/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>H. bilis ade</i>	PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>H. hepaticus ade</i>	PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>Helicobacter sp. ade</i>	PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>M. pulmonis ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>R. heyltii (P.pneumotropica) ade</i>	Culture/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>R. pneumotropicus (P.pneumotropica) ade</i>	Culture/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>P. aeruginosa bd</i>	Culture/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<i>Salmonella sp. ade</i>	Culture/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>S. moniliformis ad</i>	PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<i>Strep. pneumoniae ade</i>	Culture/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>CPIL (Tyzzer's Disease) ac</i>	Exam/MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 282
<i>Pneumocystis sp. ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>C. bovis bde</i>	PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<b>Pathology</b>					
<i>Gross Exam df</i>	Exam	RADS JPN	09-Feb-2021	0 / 15	0 / 90
<b>Parasitology</b>					
<i>Ectoparasites ade</i>	Exam/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>Helminths ade</i>	Exam/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 107
<i>Enteric Protozoa ade</i>	Exam/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>E. cuniculi ad</i>	MFIA/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70

\* dashes indicate not tested during specified period.



## 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
HOUSED STRAINS	<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>					
<i>SEND ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>PVM ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>MHV ace</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 279
<i>MVM ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>MPV ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>MNV ace</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 279
<i>TMEV (GDVII) ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>REO ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>EDIM ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>LCMV ad</i>	MFIA/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<i>ECTRO ad</i>	MFIA/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<i>MAV ad</i>	MFIA/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<i>MCMV ad</i>	MFIA/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<i>K ad</i>	MFIA/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<i>POLY ad</i>	MFIA/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<i>HANT ad</i>	MFIA/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<i>MTLV ad</i>	MFIA/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<i>LDV ad</i>	MFIA/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<b>Microbiology</b>					
<i>B. bronchiseptica ade</i>	Culture/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>C. rodentium ade</i>	Culture/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 107
<i>F. rodentium (CAR Bacillus) ad</i>	MFIA/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<i>C. kutscheri ade</i>	Culture/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>H. bilis ade</i>	PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>H. hepaticus ade</i>	PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>Helicobacter sp. ade</i>	PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>M. pulmonis ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>R. heyltii (P.pneumotropica) ade</i>	Culture/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>R. pneumotropicus (P.pneumotropica) ade</i>	Culture/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>P. aeruginosa bd</i>	Culture/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<i>Salmonella sp. ade</i>	Culture/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>S. moniliformis ad</i>	PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<i>Strep. pneumoniae ade</i>	Culture/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>CPIL (Tyzzer's Disease) ac</i>	Exam/MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 282
<i>C. bovis bde</i>	PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<b>Pathology</b>					
<i>Gross Exam df</i>	Exam	RADS JPN	09-Feb-2021	0 / 15	0 / 90

**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-Mar-2021	0 / 1	0 / 87
<i>Helminths</i> ade	Exam/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 107
<i>Enteric Protozoa</i> ade	Exam/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>E. cuniculi</i> ad	MFIA/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70

\* 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	07-Apr-2021	0 / 16	0 / 262
<i>PVM ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>SDAV ace</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 279
<i>KRV ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>H1 ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>RPV ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>RMV ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>REO ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>RTV ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>LCMV ad</i>	MFIA/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<i>HANT ad</i>	MFIA/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<i>MAV ad</i>	MFIA/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<b>Microbiology</b>					
<i>B. bronchiseptica ade</i>	Culture/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>F. rodentium (CAR Bacillus) ad</i>	MFIA/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<i>C. kutscheri ade</i>	Culture/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>H. bilis ade</i>	PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>H. hepaticus ade</i>	PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>Helicobacter sp. ade</i>	PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>M. pulmonis ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>R. heyltii (P.pneumotropica) ade</i>	Culture/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>R. pneumotropicus (P.pneumotropica) ade</i>	Culture/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>P. aeruginosa bd</i>	Culture/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<i>Salmonella sp. ade</i>	Culture/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>S. moniliformis ad</i>	PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<i>Strep. pneumoniae ade</i>	Culture/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>CPIL (Tyzzer's Disease) ac</i>	Exam/MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 282
<i>Pneumocystis sp. ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>C. bovis bde</i>	PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<b>Pathology</b>					
<i>Gross Exam df</i>	Exam	RADS JPN	09-Feb-2021	0 / 15	0 / 90
<b>Parasitology</b>					
<i>Ectoparasites ade</i>	Exam/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>Helminths ade</i>	Exam/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 107
<i>Enteric Protozoa ade</i>	Exam/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>E. cuniculi ad</i>	MFIA/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70

\* dashes indicate not tested during specified period.



# Rat SPF/VAF Report

## Japan

Charles River Laboratories Yokohama

*Location*

Hino H13 Rats

*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>
HOUSED STRAINS					
	<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>					
<i>SEND ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>PVM ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>SDAV ace</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 279
<i>KRV ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>H1 ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>RPV ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>RMV ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>REO ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>RTV ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>LCMV ad</i>	MFIA/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<i>HANT ad</i>	MFIA/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<i>MAV ad</i>	MFIA/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<b>Microbiology</b>					
<i>B. bronchiseptica ade</i>	Culture/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>F. rodentium (CAR Bacillus) ad</i>	MFIA/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<i>C. kutscheri ade</i>	Culture/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>H. bilis ade</i>	PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>H. hepaticus ade</i>	PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>Helicobacter sp. ade</i>	PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>M. pulmonis ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>R. heyltii (P.pneumotropica) ade</i>	Culture/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>R. pneumotropicus (P.pneumotropica) ade</i>	Culture/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>P. aeruginosa bd</i>	Culture/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<i>Salmonella sp. ade</i>	Culture/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>S. moniliformis ad</i>	PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<i>Strep. pneumoniae ade</i>	Culture/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>CPIL (Tyzzer's Disease) ac</i>	Exam/MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 282
<i>Pneumocystis sp. ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>C. bovis bde</i>	PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<b>Pathology</b>					
<i>Gross Exam df</i>	Exam	RADS JPN	09-Feb-2021	0 / 15	0 / 90
<b>Parasitology</b>					
<i>Ectoparasites ade</i>	Exam/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>Helminths ade</i>	Exam/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 107
<i>Enteric Protozoa ade</i>	Exam/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>E. cuniculi ad</i>	MFIA/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70

\* dashes indicate not tested during specified period.





## 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
HOUSED STRAINS					
	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>					
<i>SEND ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>PVM ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>MHV ace</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 279
<i>MVM ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>MPV ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>MNV ace</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 279
<i>TMEV (GDVII) ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>REO ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>EDIM ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>LCMV ad</i>	MFIA/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<i>ECTRO ad</i>	MFIA/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<i>MAV ad</i>	MFIA/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<i>MCMV ad</i>	MFIA/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<i>K ad</i>	MFIA/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<i>POLY ad</i>	MFIA/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<i>HANT ad</i>	MFIA/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<i>MTLV ad</i>	MFIA/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<i>LDV ad</i>	MFIA/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<b>Microbiology</b>					
<i>B. bronchiseptica ade</i>	Culture/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>C. rodentium ade</i>	Culture/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 107
<i>F. rodentium (CAR Bacillus) ad</i>	MFIA/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<i>C. kutscheri ade</i>	Culture/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>H. bilis ade</i>	PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>H. hepaticus ade</i>	PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>Helicobacter sp. ade</i>	PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>M. pulmonis ac</i>	MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 262
<i>R. heyltii (P.pneumotropica) ade</i>	Culture/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>R. pneumotropicus (P.pneumotropica) ade</i>	Culture/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>P. aeruginosa bd</i>	Culture/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<i>Salmonella sp. ade</i>	Culture/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>S. moniliformis ad</i>	PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70
<i>Strep. pneumoniae ade</i>	Culture/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>CPIL (Tyzzer's Disease) ac</i>	Exam/MFIA/PCR	RADS JPN	07-Apr-2021	0 / 16	0 / 282
<i>C. bovis bde</i>	PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<b>Pathology</b>					
<i>Gross Exam df</i>	Exam	RADS JPN	09-Feb-2021	0 / 15	0 / 90



# 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> <b>ade</b>	Exam/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>Helminths</i> <b>ade</b>	Exam/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 107
<i>Enteric Protozoa</i> <b>ade</b>	Exam/PCR	RADS JPN	25-Mar-2021	0 / 1	0 / 87
<i>E. cuniculi</i> <b>ad</b>	MFIA/PCR	RADS JPN	09-Feb-2021	0 / 10	0 / 70

\* 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/NAF 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>					
<i>SEND ac</i>	PCR	RADS JPN	06-Apr-2021	0 / 10	0 / 473
<i>PVM ac</i>	PCR	RADS JPN	06-Apr-2021	0 / 10	0 / 473
<i>MHV ac</i>	PCR	RADS JPN	06-Apr-2021	0 / 10	0 / 473
<i>MVM ac</i>	PCR	RADS JPN	06-Apr-2021	0 / 10	0 / 473
<i>MPV ac</i>	PCR	RADS JPN	06-Apr-2021	0 / 10	0 / 473
<i>MNV ac</i>	PCR	RADS JPN	06-Apr-2021	0 / 10	0 / 473
<i>TMEV (GDVII) ac</i>	PCR	RADS JPN	06-Apr-2021	0 / 10	0 / 473
<i>REO ac</i>	PCR	RADS JPN	06-Apr-2021	0 / 10	0 / 473
<i>EDIM ac</i>	PCR	RADS JPN	06-Apr-2021	0 / 10	0 / 473
<i>LCMV a</i>	PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 272
<i>ECTRO a</i>	PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 272
<i>MAV a</i>	PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 272
<i>MCMV a</i>	PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 272
<i>K a</i>	PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 272
<i>POLY a</i>	PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 272
<i>HANT a</i>	PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 272
<i>MTLV a</i>	PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 272
<i>LDV a</i>	PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 272
<b>Microbiology</b>					
<i>B. bronchiseptica abc</i>	Culture/PCR	RADS JPN	06-Apr-2021	0 / 50	0 / 1,216
<i>C. rodentium abc</i>	Culture/PCR	RADS JPN	06-Apr-2021	0 / 50	0 / 1,216
<i>F. rodentium (CAR Bacillus) a</i>	PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 272
<i>C. kutscheri abc</i>	Culture/PCR	RADS JPN	06-Apr-2021	0 / 50	0 / 1,216
<i>H. bilis ac</i>	PCR	RADS JPN	06-Apr-2021	0 / 10	0 / 473
<i>H. hepaticus ac</i>	PCR	RADS JPN	06-Apr-2021	0 / 10	0 / 473
<i>Helicobacter sp. ac</i>	PCR	RADS JPN	06-Apr-2021	0 / 10	0 / 473
<i>M. pulmonis ac</i>	PCR	RADS JPN	06-Apr-2021	0 / 10	0 / 473
<i>R. heyltii (P.pneumotropica) abc</i>	Culture/PCR	RADS JPN	06-Apr-2021	0 / 50	0 / 1,216
<i>R. pneumotropicus (P.pneumotropica) abc</i>	Culture/PCR	RADS JPN	06-Apr-2021	0 / 50	0 / 1,216
<i>P. aeruginosa abc</i>	Culture/PCR	RADS JPN	06-Apr-2021	0 / 50	0 / 1,216
<i>Salmonella sp. abc</i>	Culture/PCR	RADS JPN	06-Apr-2021	0 / 50	0 / 1,216
<i>Staph. aureus abc</i>	Culture/PCR	RADS JPN	06-Apr-2021	0 / 50	0 / 1,216
<i>S. moniliformis a</i>	PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 272
<i>Strep. pneumoniae abc</i>	Culture/PCR	RADS JPN	06-Apr-2021	0 / 50	0 / 1,216
<i>Beta Strep. sp. a</i>	Culture/PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 272
<i>CPIL (Tyzzer's Disease) ac</i>	Exam/PCR	RADS JPN	06-Apr-2021	0 / 10	0 / 473
<i>Pneumocystis sp. ac</i>	PCR	RADS JPN	06-Apr-2021	0 / 10	0 / 473
<i>C. bovis ac</i>	PCR	RADS JPN	06-Apr-2021	0 / 10	0 / 473

## 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	05-Apr-2021	0 / 16	0 / 272
<b>Parasitology</b>					
Ectoparasites a	Exam/PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 272
Helminths a	Exam/PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 272
Enteric Protozoa a	Exam/PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 272
E. cuniculi a	PCR	RADS JPN	05-Apr-2021	0 / 16	0 / 272

\* 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/NAF 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	13-Apr-2021	0 / 9	0 / 396
<i>PVM ac</i>	PCR	RADS JPN	13-Apr-2021	0 / 9	0 / 396
<i>MHV ac</i>	PCR	RADS JPN	13-Apr-2021	0 / 9	0 / 396
<i>MVM ac</i>	PCR	RADS JPN	13-Apr-2021	0 / 9	0 / 396
<i>MPV ac</i>	PCR	RADS JPN	13-Apr-2021	0 / 9	0 / 396
<i>MNV ac</i>	PCR	RADS JPN	13-Apr-2021	0 / 9	0 / 396
<i>TMEV (GDVII) ac</i>	PCR	RADS JPN	13-Apr-2021	0 / 9	0 / 396
<i>REO ac</i>	PCR	RADS JPN	13-Apr-2021	0 / 9	0 / 396
<i>EDIM ac</i>	PCR	RADS JPN	13-Apr-2021	0 / 9	0 / 396
<i>LCMV a</i>	PCR	RADS JPN	05-Apr-2021	0 / 12	0 / 224
<i>ECTRO a</i>	PCR	RADS JPN	05-Apr-2021	0 / 12	0 / 224
<i>MAV a</i>	PCR	RADS JPN	05-Apr-2021	0 / 12	0 / 224
<i>MCMV a</i>	PCR	RADS JPN	05-Apr-2021	0 / 12	0 / 224
<i>K a</i>	PCR	RADS JPN	05-Apr-2021	0 / 12	0 / 224
<i>POLY a</i>	PCR	RADS JPN	05-Apr-2021	0 / 12	0 / 224
<i>HANT a</i>	PCR	RADS JPN	05-Apr-2021	0 / 12	0 / 224
<i>MTLV a</i>	PCR	RADS JPN	05-Apr-2021	0 / 12	0 / 224
<i>LDV a</i>	PCR	RADS JPN	05-Apr-2021	0 / 12	0 / 224
<b>Microbiology</b>					
<i>B. bronchiseptica abc</i>	Culture/PCR	RADS JPN	13-Apr-2021	0 / 44	0 / 1,024
<i>C. rodentium abc</i>	Culture/PCR	RADS JPN	13-Apr-2021	0 / 44	0 / 1,024
<i>F. rodentium (CAR Bacillus) a</i>	PCR	RADS JPN	05-Apr-2021	0 / 12	0 / 224
<i>C. kutscheri abc</i>	Culture/PCR	RADS JPN	13-Apr-2021	0 / 44	0 / 1,024
<i>H. bilis ac</i>	PCR	RADS JPN	13-Apr-2021	0 / 9	0 / 396
<i>H. hepaticus ac</i>	PCR	RADS JPN	13-Apr-2021	0 / 9	0 / 396
<i>Helicobacter sp. ac</i>	PCR	RADS JPN	13-Apr-2021	0 / 9	0 / 396
<i>M. pulmonis ac</i>	PCR	RADS JPN	13-Apr-2021	0 / 9	0 / 396
<i>R. heyltii (P.pneumotropica) abc</i>	Culture/PCR	RADS JPN	13-Apr-2021	0 / 44	0 / 1,024
<i>R. pneumotropicus (P.pneumotropica) abc</i>	Culture/PCR	RADS JPN	13-Apr-2021	0 / 44	0 / 1,024
<i>P. aeruginosa abc</i>	Culture/PCR	RADS JPN	13-Apr-2021	0 / 44	0 / 1,024
<i>Salmonella sp. abc</i>	Culture/PCR	RADS JPN	13-Apr-2021	0 / 44	0 / 1,024
<i>Staph. aureus abc</i>	Culture/PCR	RADS JPN	13-Apr-2021	0 / 44	0 / 1,024
<i>S. moniliformis a</i>	PCR	RADS JPN	05-Apr-2021	0 / 12	0 / 224
<i>Strep. pneumoniae abc</i>	Culture/PCR	RADS JPN	13-Apr-2021	0 / 44	0 / 1,024
<i>Beta Strep. sp. a</i>	Culture/PCR	RADS JPN	05-Apr-2021	0 / 12	0 / 224
<i>CPIL (Tyzzer's Disease) ac</i>	Exam/PCR	RADS JPN	13-Apr-2021	0 / 9	0 / 396
<i>Pneumocystis sp. ac</i>	PCR	RADS JPN	13-Apr-2021	0 / 9	0 / 396
<i>C. bovis ac</i>	PCR	RADS JPN	13-Apr-2021	0 / 9	0 / 396



## 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	05-Apr-2021	0 / 12	0 / 224
<b>Parasitology</b>					
Ectoparasites a	Exam/PCR	RADS JPN	05-Apr-2021	0 / 12	0 / 224
Helminths a	Exam/PCR	RADS JPN	05-Apr-2021	0 / 12	0 / 224
Enteric Protozoa a	Exam/PCR	RADS JPN	05-Apr-2021	0 / 12	0 / 224
E. cuniculi a	PCR	RADS JPN	05-Apr-2021	0 / 12	0 / 224

\* dashes indicate not tested during specified period.

HOUSED STRAINS

#### Other Strains

Congenit

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	20-Apr-2021	0 / 14	0 / 557
<i>PVM ac</i>	PCR	RADS JPN	20-Apr-2021	0 / 14	0 / 557
<i>MHV ac</i>	PCR	RADS JPN	20-Apr-2021	0 / 14	0 / 557
<i>MVM ac</i>	PCR	RADS JPN	20-Apr-2021	0 / 14	0 / 557
<i>MPV ac</i>	PCR	RADS JPN	20-Apr-2021	0 / 14	0 / 557
<i>MNV ac</i>	PCR	RADS JPN	20-Apr-2021	0 / 14	0 / 557
<i>TMEV (GDVII) ac</i>	PCR	RADS JPN	20-Apr-2021	0 / 14	0 / 557
<i>REO ac</i>	PCR	RADS JPN	20-Apr-2021	0 / 14	0 / 557
<i>EDIM ac</i>	PCR	RADS JPN	20-Apr-2021	0 / 14	0 / 557
<i>LCMV a</i>	PCR	RADS JPN	06-Apr-2021	0 / 16	0 / 316
<i>ECTRO a</i>	PCR	RADS JPN	06-Apr-2021	0 / 16	0 / 316
<i>MAV a</i>	PCR	RADS JPN	06-Apr-2021	0 / 16	0 / 316
<i>MCMV a</i>	PCR	RADS JPN	06-Apr-2021	0 / 16	0 / 316
<i>K a</i>	PCR	RADS JPN	06-Apr-2021	0 / 16	0 / 316
<i>POLY a</i>	PCR	RADS JPN	06-Apr-2021	0 / 16	0 / 316
<i>HANT a</i>	PCR	RADS JPN	06-Apr-2021	0 / 16	0 / 316
<i>MTLV a</i>	PCR	RADS JPN	06-Apr-2021	0 / 16	0 / 316
<i>LDV a</i>	PCR	RADS JPN	06-Apr-2021	0 / 16	0 / 316
<b>Microbiology</b>					
<i>B. bronchiseptica abc</i>	Culture/PCR	RADS JPN	20-Apr-2021	0 / 65	0 / 1,438
<i>C. rodentium abc</i>	Culture/PCR	RADS JPN	20-Apr-2021	0 / 65	0 / 1,438
<i>F. rodentium (CAR Bacillus) a</i>	PCR	RADS JPN	06-Apr-2021	0 / 16	0 / 316
<i>C. kutscheri abc</i>	Culture/PCR	RADS JPN	20-Apr-2021	0 / 65	0 / 1,438
<i>H. bilis ac</i>	PCR	RADS JPN	20-Apr-2021	0 / 14	0 / 557
<i>H. hepaticus ac</i>	PCR	RADS JPN	20-Apr-2021	0 / 14	0 / 557
<i>Helicobacter sp. ac</i>	PCR	RADS JPN	20-Apr-2021	0 / 14	0 / 557
<i>M. pulmonis ac</i>	PCR	RADS JPN	20-Apr-2021	0 / 14	0 / 557
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<i>Staph. aureus abc</i>	Culture/PCR	RADS JPN	20-Apr-2021	0 / 65	0 / 1,438
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<i>CPIL (Tyzzer's Disease) ac</i>	Exam/PCR	RADS JPN	20-Apr-2021	0 / 14	0 / 557
<i>Pneumocystis sp. ac</i>	PCR	RADS JPN	20-Apr-2021	0 / 14	0 / 557
<i>C. bovis ac</i>	PCR	RADS JPN	20-Apr-2021	0 / 14	0 / 557



## Immunodeficient Mouse SPF/VAF Report (Isolator)

### Japan

Charles River Laboratories Yokohama

*Location*

Tsukuba T23 Mice

*Health Status*

SPF Isolator

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<b>Parasitology</b>					
<i>Ectoparasites</i> a	Exam/PCR	RADS JPN	06-Apr-2021	0 / 16	0 / 316
<i>Helminths</i> a	Exam/PCR	RADS JPN	06-Apr-2021	0 / 16	0 / 316
<i>Enteric Protozoa</i> a	Exam/PCR	RADS JPN	06-Apr-2021	0 / 16	0 / 316
<i>E. cuniculi</i> a	PCR	RADS JPN	06-Apr-2021	0 / 16	0 / 316

\* 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

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