

2020年2月28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2月度)

試験責任者：モニタリングセンター  
マネジャー 丸山滋





# Mouse SPF/VAF Report

## Japan

Charles River Laboratories Yokohama

Location: Atsugi A11 Mice  
Health Status: SPF/VAF

| Summary Item               | Method        | Primary Lab | Most Recent |                   | Past 18 Months    |
|----------------------------|---------------|-------------|-------------|-------------------|-------------------|
|                            |               |             | Test Date   | Positive / Tested | Positive / Tested |
| <b>Virology</b>            |               |             |             |                   |                   |
| SEND ac                    | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 213           |
| PVM ac                     | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 213           |
| MHV ace                    | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 223           |
| MVM ac                     | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 213           |
| MPV ac                     | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 213           |
| MNV ace                    | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 223           |
| TMEV (GDVII) ac            | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 213           |
| REO ac                     | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 213           |
| EDIM ac                    | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 213           |
| LCMV ad                    | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| ECTRO ad                   | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| MAV ad                     | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| MCMV ad                    | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| K ad                       | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| POLY ad                    | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| HANT ad                    | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| MTLV ad                    | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| LDV ad                     | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 45            |
| <b>Microbiology</b>        |               |             |             |                   |                   |
| B. bronchiseptica ade      | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 150           |
| C. rodentium ade           | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 154           |
| CAR Bacillus ad            | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| C. kutscheri ade           | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 150           |
| H. bilis ade               | PCR           | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 90            |
| H. hepaticus ade           | PCR           | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 90            |
| Helicobacter sp. ade       | PCR           | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 90            |
| M. pulmonis ac             | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 232           |
| P. pneumotropica ade       | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 150           |
| P. aeruginosa ade          | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 150           |
| Salmonella sp. ade         | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 150           |
| Staph. aureus ade          | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 150           |
| S. moniliformis ad         | PCR           | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 80            |
| Strep. pneumoniae ade      | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 150           |
| CPIL (Tyzzer's Disease) ac | Exam/MFIA/PCR | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 256           |
| Pneumocystis sp. ad        | PCR           | RADS JPN    | 03-Feb-2020 | 0 / 5             | 0 / 34            |
| C. bovis ade               | PCR           | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 70            |
| <b>Pathology</b>           |               |             |             |                   |                   |
| Gross Exam df              | Exam          | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 144           |



# Mouse SPF/VAF Report

## Japan

Charles River Laboratories Yokohama

|                 |                      |
|-----------------|----------------------|
| <i>Location</i> | <i>Health Status</i> |
| Atsugi A11 Mice | SPF/VAF              |

| Summary Item                | Method   | Primary Lab | Most Recent |                   | Past 18 Months    |
|-----------------------------|----------|-------------|-------------|-------------------|-------------------|
|                             |          |             | Test Date   | Positive / Tested | Positive / Tested |
| <b>Parasitology</b>         |          |             |             |                   |                   |
| <i>Ectoparasites</i> ade    | Exam/PCR | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 135           |
| <i>Helminths</i> ade        | Exam/PCR | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 154           |
| <i>Enteric Protozoa</i> ade | Exam/PCR | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 111           |
| <i>E. cuniculi</i> ad       | MFIA/PCR | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |

\* dashes indicate not tested during specified period

### HOUSED STRAINS

|                |               |
|----------------|---------------|
| <b>Outbred</b> | <b>Inbred</b> |
| NU/NU CD1      | NU/NU B/C     |
| NU+ CD1        | NU+ B/C       |

COLONY POLICY FOR A POSITIVE RESULT: a = immediate termination

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



# Mouse SPF/VAF Report

## Japan

Charles River Laboratories Yokohama

Location: Atsugi A12 Mice  
Health Status: SPF/VAF

| Summary Item               | Method        | Primary Lab | Most Recent |                   | Past 18 Months    |
|----------------------------|---------------|-------------|-------------|-------------------|-------------------|
|                            |               |             | Test Date   | Positive / Tested | Positive / Tested |
| <b>Virology</b>            |               |             |             |                   |                   |
| SEND ac                    | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 213           |
| PVM ac                     | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 213           |
| MHV ace                    | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 223           |
| MVM ac                     | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 213           |
| MPV ac                     | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 213           |
| MNV ace                    | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 223           |
| TMEV (GDVII) ac            | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 213           |
| REO ac                     | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 213           |
| EDIM ac                    | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 213           |
| LCMV ad                    | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| ECTRO ad                   | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| MAV ad                     | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| MCMV ad                    | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| K ad                       | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| POLY ad                    | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| HANT ad                    | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| MTLV ad                    | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| LDV ad                     | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 45            |
| <b>Microbiology</b>        |               |             |             |                   |                   |
| B. bronchiseptica ade      | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 150           |
| C. rodentium ade           | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 154           |
| CAR Bacillus ad            | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| C. kutscheri ade           | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 150           |
| H. bilis ade               | PCR           | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 90            |
| H. hepaticus ade           | PCR           | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 90            |
| Helicobacter sp. ade       | PCR           | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 90            |
| M. pulmonis ac             | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 232           |
| P. pneumotropica ade       | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 150           |
| P. aeruginosa ade          | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 150           |
| Salmonella sp. ade         | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 150           |
| Staph. aureus ade          | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 150           |
| S. moniliformis ad         | PCR           | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 80            |
| Strep. pneumoniae ade      | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 150           |
| CPIL (Tyzzer's Disease) ac | Exam/MFIA/PCR | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 256           |
| Pneumocystis sp. ad        | PCR           | RADS JPN    | 03-Feb-2020 | 0 / 5             | 0 / 34            |
| C. bovis ade               | PCR           | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 70            |
| <b>Pathology</b>           |               |             |             |                   |                   |
| Gross Exam df              | Exam          | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 144           |



# Mouse SPF/VAF Report

## Japan

Charles River Laboratories Yokohama

|                 |                      |
|-----------------|----------------------|
| <i>Location</i> | <i>Health Status</i> |
| Atsugi A12 Mice | SPF/VAF              |

| Summary Item                | Method   | Primary Lab | Most Recent |                   | Past 18 Months    |
|-----------------------------|----------|-------------|-------------|-------------------|-------------------|
|                             |          |             | Test Date   | Positive / Tested | Positive / Tested |
| <b>Parasitology</b>         |          |             |             |                   |                   |
| <i>Ectoparasites</i> ade    | Exam/PCR | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 135           |
| <i>Helminths</i> ade        | Exam/PCR | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 154           |
| <i>Enteric Protozoa</i> ade | Exam/PCR | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 111           |
| <i>E. cuniculi</i> ad       | MFIA/PCR | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |

\* dashes indicate not tested during specified period

### HOUSED STRAINS

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

COLONY POLICY FOR A POSITIVE RESULT: a = immediate termination

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



# Mouse SPF/VAF Report

## Japan

Charles River Laboratories Yokohama

Location: Atsugi A13 Mice  
Health Status: SPF/VAF

| Summary Item               | Method        | Primary Lab | Most Recent |                   | Past 18 Months    |
|----------------------------|---------------|-------------|-------------|-------------------|-------------------|
|                            |               |             | Test Date   | Positive / Tested | Positive / Tested |
| <b>Virology</b>            |               |             |             |                   |                   |
| SEND ac                    | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 213           |
| PVM ac                     | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 213           |
| MHV ace                    | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 223           |
| MVM ac                     | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 213           |
| MPV ac                     | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 213           |
| MNV ace                    | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 223           |
| TMEV (GDVII) ac            | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 213           |
| REO ac                     | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 213           |
| EDIM ac                    | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 213           |
| LCMV ad                    | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| ECTRO ad                   | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| MAV ad                     | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| MCMV ad                    | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| K ad                       | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| POLY ad                    | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| HANT ad                    | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| MTLV ad                    | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| LDV ad                     | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 45            |
| <b>Microbiology</b>        |               |             |             |                   |                   |
| B. bronchiseptica ade      | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 111           |
| C. rodentium ade           | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 134           |
| CAR Bacillus ad            | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| C. kutscheri ade           | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 111           |
| H. bilis ade               | PCR           | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 71            |
| H. hepaticus ade           | PCR           | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 71            |
| Helicobacter sp. ade       | PCR           | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 71            |
| M. pulmonis ac             | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 213           |
| P. pneumotropica ade       | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 111           |
| P. aeruginosa bd           | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 101           |
| Salmonella sp. ade         | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 111           |
| S. moniliformis ad         | PCR           | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| Strep. pneumoniae ade      | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 111           |
| CPIL (Tyzzer's Disease) ac | Exam/MFIA/PCR | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 236           |
| C. bovis bde               | PCR           | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 55            |
| <b>Pathology</b>           |               |             |             |                   |                   |
| Gross Exam df              | Exam          | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 124           |
| <b>Parasitology</b>        |               |             |             |                   |                   |
| Ectoparasites ade          | Exam/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 111           |
| Helminths ade              | Exam/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 134           |



charles river  
**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>   |          |             |             |                   |                   |
| Enteric Protozoa ade  | Exam/PCR | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 91            |
| <i>E. cuniculi</i> ad | MFIA/PCR | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |

\* dashes indicate not tested during specified period

HOUSED STRAINS

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

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

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



# Mouse SPF/VAF Report

## Japan

Charles River Laboratories Yokohama

Location: 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    | 03-Feb-2020 | 0 / 10            | 0 / 213           |
| PVM ac                     | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 213           |
| MHV ace                    | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 223           |
| MVM ac                     | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 213           |
| MPV ac                     | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 213           |
| MNV ace                    | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 223           |
| TMEV (GDVII) ac            | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 213           |
| REO ac                     | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 213           |
| EDIM ac                    | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 213           |
| LCMV ad                    | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| ECTRO ad                   | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| MAV ad                     | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| MCMV ad                    | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| K ad                       | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| POLY ad                    | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| HANT ad                    | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| MTLV ad                    | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| LDV ad                     | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 45            |
| <b>Microbiology</b>        |               |             |             |                   |                   |
| B. bronchiseptica ade      | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 111           |
| C. rodentium ade           | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 134           |
| CAR Bacillus ad            | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| C. kutscheri ade           | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 111           |
| H. bilis ade               | PCR           | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 71            |
| H. hepaticus ade           | PCR           | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 71            |
| Helicobacter sp. ade       | PCR           | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 71            |
| M. pulmonis ac             | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 213           |
| P. pneumotropica ade       | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 111           |
| P. aeruginosa bd           | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 101           |
| Salmonella sp. ade         | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 111           |
| S. moniliformis ad         | PCR           | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| Strep. pneumoniae ade      | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 111           |
| CPIL (Tyzzer's Disease) ac | Exam/MFIA/PCR | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 236           |
| C. bovis bde               | PCR           | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 55            |
| <b>Pathology</b>           |               |             |             |                   |                   |
| Gross Exam df              | Exam          | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 124           |
| <b>Parasitology</b>        |               |             |             |                   |                   |
| Ectoparasites ade          | Exam/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 111           |
| Helminths ade              | Exam/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 134           |





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

Charles River Laboratories Yokohama

*Location*  
 Atsugi A14 Mice

*Health Status*  
 SPF/VAF

| <i>Summary Item</i>         | <i>Method</i> | <i>Primary Lab</i> | <i>Most Recent</i> |                          | <i>Past 18 Months</i>    |
|-----------------------------|---------------|--------------------|--------------------|--------------------------|--------------------------|
|                             |               |                    | <i>Test Date</i>   | <i>Positive / Tested</i> | <i>Positive / Tested</i> |
| <b>Parasitology</b>         |               |                    |                    |                          |                          |
| <i>Enteric Protozoa</i> ade | Exam/PCR      | RADS JPN           | 03-Feb-2020        | 0 / 10                   | 0 / 91                   |
| <i>E. cuniculi</i> ad       | MFIA/PCR      | RADS JPN           | 03-Feb-2020        | 0 / 10                   | 0 / 61                   |

\* dashes indicate not tested during specified period

HOUSED STRAINS

|                |               |
|----------------|---------------|
| <b>Outbred</b> | <b>Inbred</b> |
| CD-1           | B6 ALBINO     |
|                | CBA/J         |
|                | NC/CRJ        |
|                | SJL           |

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

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

## Mouse SPF/VAF Report

### Japan

Charles River Laboratories Yokohama

Location *Health Status*  
Atsugi A15 Mice SPF/VAF

| Summary Item                       | Method        | Primary Lab | Most Recent |                   | Past 18 Months    |
|------------------------------------|---------------|-------------|-------------|-------------------|-------------------|
|                                    |               |             | Test Date   | Positive / Tested | Positive / Tested |
| <b>Virology</b>                    |               |             |             |                   |                   |
| SEND ac                            | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 213           |
| PVM ac                             | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 213           |
| MHV ace                            | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 223           |
| MVM ac                             | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 213           |
| MPV ac                             | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 213           |
| MNV ace                            | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 223           |
| TMEV (GDVII) ac                    | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 213           |
| REO ac                             | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 213           |
| EDIM ac                            | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 213           |
| LCMV ad                            | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| ECTRO ad                           | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| MAV ad                             | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| MCMV ad                            | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| K ad                               | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| POLY ad                            | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| HANT ad                            | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| MTLV ad                            | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| LDV ad                             | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 45            |
| <b>Microbiology</b>                |               |             |             |                   |                   |
| <i>B. bronchiseptica</i> ade       | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 111           |
| <i>C. rodentium</i> ade            | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 134           |
| CAR <i>Bacillus</i> ad             | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| <i>C. kutscheri</i> ade            | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 111           |
| <i>H. bilis</i> ade                | PCR           | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 71            |
| <i>H. hepaticus</i> ade            | PCR           | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 71            |
| <i>Helicobacter</i> sp. ade        | PCR           | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 71            |
| <i>M. pulmonis</i> ac              | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 213           |
| <i>P. pneumotropica</i> ade        | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 111           |
| <i>P. aeruginosa</i> bd            | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 101           |
| <i>Salmonella</i> sp. ade          | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 111           |
| <i>S. moniliformis</i> ad          | PCR           | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 61            |
| <i>Strep. pneumoniae</i> ade       | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 111           |
| CPIL ( <i>Tyzzers Disease</i> ) ac | Exam/MFIA/PCR | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 236           |
| <i>C. bovis</i> bde                | PCR           | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 55            |
| <b>Pathology</b>                   |               |             |             |                   |                   |
| Gross Exam df                      | Exam          | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 124           |
| <b>Parasitology</b>                |               |             |             |                   |                   |
| Ectoparasites ade                  | Exam/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 111           |
| Helminths ade                      | Exam/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 134           |



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

Charles River Laboratories Yokohama

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

| <i>Summary Item</i>         | <i>Method</i> | <i>Primary Lab</i> | <i>Most Recent</i> |                          | <i>Past 18 Months</i>    |
|-----------------------------|---------------|--------------------|--------------------|--------------------------|--------------------------|
|                             |               |                    | <i>Test Date</i>   | <i>Positive / Tested</i> | <i>Positive / Tested</i> |
| <b>Parasitology</b>         |               |                    |                    |                          |                          |
| <i>Enteric Protozoa</i> ade | Exam/PCR      | RADS JPN           | 03-Feb-2020        | 0 / 10                   | 0 / 91                   |
| <i>E. cuniculi</i> ad       | MFIA/PCR      | RADS JPN           | 03-Feb-2020        | 0 / 10                   | 0 / 61                   |

\* dashes indicate not tested during specified period

HOUSED STRAINS

**Inbred**  
C57BL/6J

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

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



# Rat SPF/VAF Report

## Japan

Charles River Laboratories Yokohama

Location: 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    | 05-Feb-2020 | 0 / 10            | 0 / 165           |
| PVM ac                       | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 165           |
| SDAV ace                     | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 175           |
| KRV ac                       | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 165           |
| H-1 ac                       | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 165           |
| RPV ac                       | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 165           |
| RMV ac                       | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 165           |
| REO ac                       | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 165           |
| RTV ac                       | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 165           |
| LCMV ad                      | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 45            |
| HANT ad                      | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 45            |
| MAV ad                       | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 45            |
| <b>Microbiology</b>          |               |             |             |                   |                   |
| <i>B. bronchiseptica</i> ade | Culture/PCR   | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 63            |
| CAR Bacillus ad              | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 45            |
| <i>C. kutscheri</i> ade      | Culture/PCR   | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 63            |
| <i>H. bilis</i> ade          | PCR           | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 55            |
| <i>H. hepaticus</i> ade      | PCR           | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 55            |
| <i>Helicobacter sp.</i> ade  | PCR           | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 55            |
| <i>M. pulmonis</i> ac        | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 165           |
| <i>P. pneumotropica</i> ade  | Culture/PCR   | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 63            |
| <i>P. aeruginosa</i> bd      | Culture/PCR   | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 53            |
| <i>Salmonella sp.</i> ade    | Culture/PCR   | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 63            |
| <i>S. moniliformis</i> ad    | PCR           | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 45            |
| <i>Strep. pneumoniae</i> ade | Culture/PCR   | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 63            |
| CPIL (Tyzzer's Disease) ac   | Exam/MFIA/PCR | RADS JPN    | 05-Feb-2020 | 0 / 15            | 0 / 180           |
| <i>Pneumocystis sp.</i> ac   | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 165           |
| <i>C. bovis</i> bde          | PCR           | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 55            |
| <b>Pathology</b>             |               |             |             |                   |                   |
| Gross Exam df                | Exam          | RADS JPN    | 05-Feb-2020 | 0 / 15            | 0 / 68            |
| <b>Parasitology</b>          |               |             |             |                   |                   |
| Ectoparasites ade            | Exam/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 63            |
| Helminths ade                | Exam/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 15            | 0 / 78            |
| Enteric Protozoa ade         | Exam/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 59            |
| <i>E. cuniculi</i> ad        | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 45            |

\* dashes indicate not tested during specified period



## **Rat SPF/VAF Report**

### **Japan**

---

Charles River Laboratories Yokohama

*Location*

Atsugi A21 Rats

*Health Status*

SPF/VAF

---

HOUSED STRAINS

**Outbred**

CD

---

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

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

f = Results do not include incidental or strain related findings

## Mouse SPF/VAF Report

### Japan

Charles River Laboratories Yokohama

| Location        | Health Status |
|-----------------|---------------|
| Atsugi A23 Mice | SPF/VAF       |

| Summary Item                       | Method        | Primary Lab | Most Recent |                   | Past 18 Months    |
|------------------------------------|---------------|-------------|-------------|-------------------|-------------------|
|                                    |               |             | Test Date   | Positive / Tested | Positive / Tested |
| <b>Virology</b>                    |               |             |             |                   |                   |
| SEND ac                            | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 213           |
| PVM ac                             | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 213           |
| MHV ace                            | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 223           |
| MVM ac                             | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 213           |
| MPV ac                             | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 213           |
| MNV ace                            | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 223           |
| TMEV (GDVII) ac                    | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 213           |
| REO ac                             | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 213           |
| EDIM ac                            | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 213           |
| LCMV ad                            | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 61            |
| ECTRO ad                           | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 61            |
| MAV ad                             | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 61            |
| MCMV ad                            | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 61            |
| K ad                               | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 61            |
| POLY ad                            | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 61            |
| HANT ad                            | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 61            |
| MTLV ad                            | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 61            |
| LDV ad                             | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 45            |
| <b>Microbiology</b>                |               |             |             |                   |                   |
| <i>B. bronchiseptica</i> ade       | Culture/PCR   | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 111           |
| <i>C. rodentium</i> ade            | Culture/PCR   | RADS JPN    | 05-Feb-2020 | 0 / 15            | 0 / 134           |
| CAR <i>Bacillus</i> ad             | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 61            |
| <i>C. kutscheri</i> ade            | Culture/PCR   | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 111           |
| <i>H. bilis</i> ade                | PCR           | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 71            |
| <i>H. hepaticus</i> ade            | PCR           | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 71            |
| <i>Helicobacter</i> sp. ade        | PCR           | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 71            |
| <i>M. pulmonis</i> ac              | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 213           |
| <i>P. pneumotropica</i> ade        | Culture/PCR   | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 111           |
| <i>P. aeruginosa</i> bd            | Culture/PCR   | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 101           |
| <i>Salmonella</i> sp. ade          | Culture/PCR   | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 111           |
| <i>S. moniliformis</i> ad          | PCR           | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 61            |
| <i>Strep. pneumoniae</i> ade       | Culture/PCR   | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 111           |
| CPIL ( <i>Tyzzers Disease</i> ) ac | Exam/MFIA/PCR | RADS JPN    | 05-Feb-2020 | 0 / 15            | 0 / 236           |
| <i>C. bovis</i> bde                | PCR           | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 55            |
| <b>Pathology</b>                   |               |             |             |                   |                   |
| Gross Exam df                      | Exam          | RADS JPN    | 05-Feb-2020 | 0 / 15            | 0 / 124           |
| <b>Parasitology</b>                |               |             |             |                   |                   |
| Ectoparasites ade                  | Exam/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 111           |
| Helminths ade                      | Exam/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 15            | 0 / 134           |



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

Charles River Laboratories Yokohama

*Location*  
 Atsugi A23 Mice

*Health Status*  
 SPF/VAF

| <i>Summary Item</i>         | <i>Method</i> | <i>Primary Lab</i> | <i>Most Recent</i> |                          | <i>Past 18 Months</i>    |
|-----------------------------|---------------|--------------------|--------------------|--------------------------|--------------------------|
|                             |               |                    | <i>Test Date</i>   | <i>Positive / Tested</i> | <i>Positive / Tested</i> |
| <b>Parasitology</b>         |               |                    |                    |                          |                          |
| <i>Enteric Protozoa</i> ade | Exam/PCR      | RADS JPN           | 05-Feb-2020        | 0 / 10                   | 0 / 91                   |
| <i>E. cuniculi</i> ad       | MFIA/PCR      | RADS JPN           | 05-Feb-2020        | 0 / 10                   | 0 / 61                   |

\* dashes indicate not tested during specified period

HOUSED STRAINS

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

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

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

## Mouse SPF/VAF Report

### Japan

Charles River Laboratories Yokohama

Location *Health Status*  
Atsugi A24 Mice SPF/VAF

| Summary Item                         | Method        | Primary Lab | Most Recent |                   | Past 18 Months    |
|--------------------------------------|---------------|-------------|-------------|-------------------|-------------------|
|                                      |               |             | Test Date   | Positive / Tested | Positive / Tested |
| <b>Virology</b>                      |               |             |             |                   |                   |
| SEND ac                              | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 99            |
| PVM ac                               | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 99            |
| MHV ace                              | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 107           |
| MVM ac                               | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 99            |
| MPV ac                               | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 99            |
| MNV ace                              | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 107           |
| TMEV (GDVII) ac                      | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 99            |
| REO ac                               | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 99            |
| EDIM ac                              | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 99            |
| LCMV ad                              | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 35            |
| ECTRO ad                             | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 35            |
| MAV ad                               | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 35            |
| MCMV ad                              | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 35            |
| K ad                                 | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 35            |
| POLY ad                              | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 35            |
| HANT ad                              | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 35            |
| MTLV ad                              | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 35            |
| LDV ad                               | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 35            |
| <b>Microbiology</b>                  |               |             |             |                   |                   |
| <i>B. bronchiseptica</i> ade         | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 43            |
| <i>C. rodentium</i> ade              | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 53            |
| CAR <i>Bacillus</i> ad               | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 35            |
| <i>C. kutscheri</i> ade              | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 43            |
| <i>H. bilis</i> ade                  | PCR           | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 43            |
| <i>H. hepaticus</i> ade              | PCR           | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 43            |
| <i>Helicobacter</i> sp. ade          | PCR           | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 43            |
| <i>M. pulmonis</i> ac                | MFIA/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 99            |
| <i>P. pneumotropica</i> ade          | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 43            |
| <i>P. aeruginosa</i> bd              | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 35            |
| <i>Salmonella</i> sp. ade            | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 43            |
| <i>S. moniliformis</i> ad            | PCR           | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 35            |
| <i>Strep. pneumoniae</i> ade         | Culture/PCR   | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 43            |
| CPIL ( <i>Tyzzler's Disease</i> ) ac | Exam/MFIA/PCR | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 109           |
| <i>C. bovis</i> bde                  | PCR           | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 43            |
| <b>Pathology</b>                     |               |             |             |                   |                   |
| Gross Exam df                        | Exam          | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 45            |
| <b>Parasitology</b>                  |               |             |             |                   |                   |
| Ectoparasites ade                    | Exam/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 10            | 0 / 43            |
| Helminths ade                        | Exam/PCR      | RADS JPN    | 03-Feb-2020 | 0 / 15            | 0 / 53            |





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

Charles River Laboratories Yokohama

*Location* Atsugi A24 Mice *Health Status* SPF/VAF

| <i>Summary Item</i>                | <i>Method</i> | <i>Primary Lab</i> | <i>Most Recent</i> |                          | <i>Past 18 Months</i>    |
|------------------------------------|---------------|--------------------|--------------------|--------------------------|--------------------------|
|                                    |               |                    | <i>Test Date</i>   | <i>Positive / Tested</i> | <i>Positive / Tested</i> |
| <b>Parasitology</b>                |               |                    |                    |                          |                          |
| <i>Enteric Protozoa</i> <b>ade</b> | Exam/PCR      | RADS JPN           | 03-Feb-2020        | 0 / 10                   | 0 / 43                   |
| <i>E. cuniculi</i> <b>ad</b>       | MFIA/PCR      | RADS JPN           | 03-Feb-2020        | 0 / 10                   | 0 / 35                   |

\* dashes indicate not tested during specified period

**Inbred**  
C57BL/6J

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

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

## Mouse SPF/VAF Report

### Japan

Charles River Laboratories Yokohama

| Location        | Health Status |
|-----------------|---------------|
| Atsugi A25 Mice | SPF/VAF       |

| Summary Item                         | Method        | Primary Lab | Most Recent |                   | Past 18 Months    |
|--------------------------------------|---------------|-------------|-------------|-------------------|-------------------|
|                                      |               |             | Test Date   | Positive / Tested | Positive / Tested |
| <b>Virology</b>                      |               |             |             |                   |                   |
| SEND ac                              | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 141           |
| PVM ac                               | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 141           |
| MHV ace                              | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 151           |
| MVM ac                               | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 141           |
| MPV ac                               | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 141           |
| MNV ace                              | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 151           |
| TMEV (GDVII) ac                      | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 141           |
| REO ac                               | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 141           |
| EDIM ac                              | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 141           |
| LCMV ad                              | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 45            |
| ECTRO ad                             | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 45            |
| MAV ad                               | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 45            |
| MCMV ad                              | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 45            |
| K ad                                 | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 45            |
| POLY ad                              | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 45            |
| HANT ad                              | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 45            |
| MTLV ad                              | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 45            |
| LDV ad                               | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 45            |
| <b>Microbiology</b>                  |               |             |             |                   |                   |
| <i>B. bronchiseptica</i> ade         | Culture/PCR   | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 55            |
| <i>C. rodentium</i> ade              | Culture/PCR   | RADS JPN    | 05-Feb-2020 | 0 / 15            | 0 / 70            |
| CAR <i>Bacillus</i> ad               | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 45            |
| <i>C. kutscheri</i> ade              | Culture/PCR   | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 55            |
| <i>H. bilis</i> ade                  | PCR           | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 55            |
| <i>H. hepaticus</i> ade              | PCR           | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 55            |
| <i>Helicobacter sp.</i> ade          | PCR           | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 55            |
| <i>M. pulmonis</i> ac                | MFIA/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 141           |
| <i>P. pneumotropica</i> ade          | Culture/PCR   | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 55            |
| <i>P. aeruginosa</i> bd              | Culture/PCR   | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 45            |
| <i>Salmonella sp.</i> ade            | Culture/PCR   | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 55            |
| <i>S. moniliformis</i> ad            | PCR           | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 45            |
| <i>Strep. pneumoniae</i> ade         | Culture/PCR   | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 55            |
| CPIL ( <i>Tyzzler's Disease</i> ) ac | Exam/MFIA/PCR | RADS JPN    | 05-Feb-2020 | 0 / 15            | 0 / 156           |
| <i>C. bovis</i> bde                  | PCR           | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 55            |
| <b>Pathology</b>                     |               |             |             |                   |                   |
| Gross Exam df                        | Exam          | RADS JPN    | 05-Feb-2020 | 0 / 15            | 0 / 60            |
| <b>Parasitology</b>                  |               |             |             |                   |                   |
| Ectoparasites ade                    | Exam/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 55            |
| Helminths ade                        | Exam/PCR      | RADS JPN    | 05-Feb-2020 | 0 / 15            | 0 / 70            |



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

Charles River Laboratories Yokohama

Location *Health Status*  
 Atsugi A25 Mice SPF/VAF

| Summary Item                | Method   | Primary Lab | Most Recent |                   | Past 18 Months    |
|-----------------------------|----------|-------------|-------------|-------------------|-------------------|
|                             |          |             | Test Date   | Positive / Tested | Positive / Tested |
| <b>Parasitology</b>         |          |             |             |                   |                   |
| <i>Enteric Protozoa</i> ade | Exam/PCR | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 55            |
| <i>E. cuniculi</i> ad       | MFIA/PCR | RADS JPN    | 05-Feb-2020 | 0 / 10            | 0 / 45            |

\* dashes indicate not tested during specified period

HOUSED STRAINS

**Inbred**  
 BALB/C  
 DBA/1

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

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

## Rat SPF/VAF Report

### Japan

Charles River Laboratories Yokohama

| Location      | Health Status |
|---------------|---------------|
| Hino H11 Rats | SPF/VAF       |

| Summary Item                 | Method        | Primary Lab | Most Recent |                   | Past 18 Months    |
|------------------------------|---------------|-------------|-------------|-------------------|-------------------|
|                              |               |             | Test Date   | Positive / Tested | Positive / Tested |
| <b>Virology</b>              |               |             |             |                   |                   |
| SEND ac                      | MFIA/PCR      | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 213           |
| PVM ac                       | MFIA/PCR      | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 213           |
| SDAV ace                     | MFIA/PCR      | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 223           |
| KRV ac                       | MFIA/PCR      | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 213           |
| H-1 ac                       | MFIA/PCR      | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 213           |
| RPV ac                       | MFIA/PCR      | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 213           |
| RMV ac                       | MFIA/PCR      | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 213           |
| REO ac                       | MFIA/PCR      | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 213           |
| RTV ac                       | MFIA/PCR      | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 213           |
| LCMV ad                      | MFIA/PCR      | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 61            |
| HANT ad                      | MFIA/PCR      | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 61            |
| MAV ad                       | MFIA/PCR      | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 61            |
| <b>Microbiology</b>          |               |             |             |                   |                   |
| <i>B. bronchiseptica</i> ade | Culture/PCR   | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 111           |
| CAR <i>Bacillus</i> ad       | MFIA/PCR      | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 61            |
| <i>C. kutscheri</i> ade      | Culture/PCR   | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 111           |
| <i>H. bilis</i> ade          | PCR           | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 71            |
| <i>H. hepaticus</i> ade      | PCR           | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 71            |
| <i>Helicobacter</i> sp. ade  | PCR           | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 71            |
| <i>M. pulmonis</i> ac        | MFIA/PCR      | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 213           |
| <i>P. pneumotropica</i> ade  | Culture/PCR   | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 111           |
| <i>P. aeruginosa</i> bd      | Culture/PCR   | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 101           |
| <i>Salmonella</i> sp. ade    | Culture/PCR   | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 111           |
| <i>S. moniliformis</i> ad    | PCR           | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 61            |
| <i>Strep. pneumoniae</i> ade | Culture/PCR   | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 111           |
| CPIL (Tyzzer's Disease) ac   | Exam/MFIA/PCR | RADS JPN    | 12-Feb-2020 | 0 / 15            | 0 / 236           |
| <i>Pneumocystis</i> sp. ac   | MFIA/PCR      | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 213           |
| <i>C. bovis</i> bde          | PCR           | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 55            |
| <b>Pathology</b>             |               |             |             |                   |                   |
| Gross Exam df                | Exam          | RADS JPN    | 12-Feb-2020 | 0 / 15            | 0 / 124           |
| <b>Parasitology</b>          |               |             |             |                   |                   |
| Ectoparasites ade            | Exam/PCR      | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 111           |
| Helminths ade                | Exam/PCR      | RADS JPN    | 12-Feb-2020 | 0 / 15            | 0 / 134           |
| Enteric Protozoa ade         | Exam/PCR      | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 91            |
| <i>E. cuniculi</i> ad        | MFIA/PCR      | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 61            |

\* dashes indicate not tested during specified period



## Rat SPF/VAF Report

### Japan

---

Charles River Laboratories Yokohama

*Location*

Hino H11 Rats

*Health Status*

SPF/VAF

---

#### HOUSED STRAINS

**Outbred**

WISTAR

**Inbred**

F344

SHR

WKY

---

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

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

f = Results do not include incidental or strain related findings

## Mouse SPF/VAF Report

### Japan

Charles River Laboratories Yokohama

| Location                   | Health Status |          | Summary Item |             |           |
|----------------------------|---------------|----------|--------------|-------------|-----------|
|                            |               |          | Method       | Primary Lab | Test Date |
| Hino H12 Mice              | SPF/VAF       |          |              |             |           |
| <b>Virology</b>            |               |          |              |             |           |
| SEND ac                    | MFIA/PCR      | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 213   |
| PVM ac                     | MFIA/PCR      | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 213   |
| MHV ace                    | MFIA/PCR      | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 223   |
| MVM ac                     | MFIA/PCR      | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 213   |
| MPV ac                     | MFIA/PCR      | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 213   |
| MNV ace                    | MFIA/PCR      | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 223   |
| TMEV (GDVII) ac            | MFIA/PCR      | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 213   |
| REO ac                     | MFIA/PCR      | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 213   |
| EDIM ac                    | MFIA/PCR      | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 213   |
| LCMV ad                    | MFIA/PCR      | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 61    |
| ECTRO ad                   | MFIA/PCR      | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 61    |
| MAV ad                     | MFIA/PCR      | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 61    |
| MCMV ad                    | MFIA/PCR      | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 61    |
| K ad                       | MFIA/PCR      | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 61    |
| POLY ad                    | MFIA/PCR      | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 61    |
| HANT ad                    | MFIA/PCR      | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 61    |
| MTLV ad                    | MFIA/PCR      | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 61    |
| LDV ad                     | MFIA/PCR      | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 45    |
| <b>Microbiology</b>        |               |          |              |             |           |
| B. bronchiseptica ade      | Culture/PCR   | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 111   |
| C. rodentium ade           | Culture/PCR   | RADS JPN | 12-Feb-2020  | 0 / 15      | 0 / 134   |
| CAR Bacillus ad            | MFIA/PCR      | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 61    |
| C. kutscheri ade           | Culture/PCR   | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 111   |
| H. bilis ade               | PCR           | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 71    |
| H. hepaticus ade           | PCR           | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 71    |
| Helicobacter sp. ade       | PCR           | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 71    |
| M. pulmonis ac             | MFIA/PCR      | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 213   |
| P. pneumotropica ade       | Culture/PCR   | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 111   |
| P. aeruginosa bd           | Culture/PCR   | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 101   |
| Salmonella sp. ade         | Culture/PCR   | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 111   |
| S. moniliformis ad         | PCR           | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 61    |
| Strep. pneumoniae ade      | Culture/PCR   | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 111   |
| CPIL (Tyzzer's Disease) ac | Exam/MFIA/PCR | RADS JPN | 12-Feb-2020  | 0 / 15      | 0 / 236   |
| C. bovis bde               | PCR           | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 55    |
| <b>Pathology</b>           |               |          |              |             |           |
| Gross Exam df              | Exam          | RADS JPN | 12-Feb-2020  | 0 / 15      | 0 / 124   |
| <b>Parasitology</b>        |               |          |              |             |           |
| Ectoparasites ade          | Exam/PCR      | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 111   |
| Helminths ade              | Exam/PCR      | RADS JPN | 12-Feb-2020  | 0 / 15      | 0 / 134   |



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

Charles River Laboratories Yokohama

*Location*  
Hino H12 Mice

*Health Status*  
SPF/VAF

| <i>Summary Item</i>         | <i>Method</i> | <i>Primary Lab</i> | <i>Most Recent</i> |                          | <i>Past 18 Months</i>    |
|-----------------------------|---------------|--------------------|--------------------|--------------------------|--------------------------|
|                             |               |                    | <i>Test Date</i>   | <i>Positive / Tested</i> | <i>Positive / Tested</i> |
| <b>Parasitology</b>         |               |                    |                    |                          |                          |
| <i>Enteric Protozoa</i> ade | Exam/PCR      | RADS JPN           | 12-Feb-2020        | 0 / 10                   | 0 / 91                   |
| <i>E. cuniculi</i> ad       | MFIA/PCR      | RADS JPN           | 12-Feb-2020        | 0 / 10                   | 0 / 61                   |

\* dashes indicate not tested during specified period

HOUSED STRAINS

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

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

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

## Rat SPF/VAF Report

### Japan

Charles River Laboratories Yokohama

| Location                           | Health Status |          | Summary Item |             |           |                                  |
|------------------------------------|---------------|----------|--------------|-------------|-----------|----------------------------------|
|                                    |               |          | Method       | Primary Lab | Test Date | Most Recent<br>Positive / Tested |
| Hino H13 Rats                      | SPF/VAF       |          |              |             |           |                                  |
| <b>Virology</b>                    |               |          |              |             |           |                                  |
| SEND ac                            | MFIA/PCR      | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 213   |                                  |
| PVM ac                             | MFIA/PCR      | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 213   |                                  |
| SDAV ace                           | MFIA/PCR      | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 223   |                                  |
| KRV ac                             | MFIA/PCR      | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 213   |                                  |
| H-1 ac                             | MFIA/PCR      | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 213   |                                  |
| RPV ac                             | MFIA/PCR      | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 213   |                                  |
| RMV ac                             | MFIA/PCR      | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 213   |                                  |
| REO ac                             | MFIA/PCR      | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 213   |                                  |
| RTV ac                             | MFIA/PCR      | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 213   |                                  |
| LCMV ad                            | MFIA/PCR      | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 61    |                                  |
| HANT ad                            | MFIA/PCR      | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 61    |                                  |
| MAV ad                             | MFIA/PCR      | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 61    |                                  |
| <b>Microbiology</b>                |               |          |              |             |           |                                  |
| <i>B. bronchiseptica</i> ade       | Culture/PCR   | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 111   |                                  |
| CAR <i>Bacillus</i> ad             | MFIA/PCR      | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 61    |                                  |
| <i>C. kutscheri</i> ade            | Culture/PCR   | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 111   |                                  |
| <i>H. bilis</i> ade                | PCR           | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 71    |                                  |
| <i>H. hepaticus</i> ade            | PCR           | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 71    |                                  |
| <i>Helicobacter</i> sp. ade        | PCR           | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 71    |                                  |
| <i>M. pulmonis</i> ac              | MFIA/PCR      | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 213   |                                  |
| <i>P. pneumotropica</i> ade        | Culture/PCR   | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 111   |                                  |
| <i>P. aeruginosa</i> bd            | Culture/PCR   | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 101   |                                  |
| <i>Salmonella</i> sp. ade          | Culture/PCR   | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 111   |                                  |
| <i>S. moniliformis</i> ad          | PCR           | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 61    |                                  |
| <i>Strep. pneumoniae</i> ade       | Culture/PCR   | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 111   |                                  |
| CPIL ( <i>Tyzzers Disease</i> ) ac | Exam/MFIA/PCR | RADS JPN | 12-Feb-2020  | 0 / 15      | 0 / 236   |                                  |
| <i>Pneumocystis</i> sp. ac         | MFIA/PCR      | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 213   |                                  |
| <i>C. bovis</i> bde                | PCR           | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 55    |                                  |
| <b>Pathology</b>                   |               |          |              |             |           |                                  |
| Gross Exam df                      | Exam          | RADS JPN | 12-Feb-2020  | 0 / 15      | 0 / 124   |                                  |
| <b>Parasitology</b>                |               |          |              |             |           |                                  |
| Ectoparasites ade                  | Exam/PCR      | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 111   |                                  |
| Helminths ade                      | Exam/PCR      | RADS JPN | 12-Feb-2020  | 0 / 15      | 0 / 134   |                                  |
| Enteric Protozoa ade               | Exam/PCR      | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 91    |                                  |
| <i>E. cuniculi</i> ad              | MFIA/PCR      | RADS JPN | 12-Feb-2020  | 0 / 10      | 0 / 61    |                                  |

\* dashes indicate not tested during specified period





## Rat SPF/VAF Report

### Japan

---

Charles River Laboratories Yokohama

Location

Hino H13 Rats

Health Status

SPF/VAF

---

#### HOUSED STRAINS

**Outbred**

L/E

**Inbred**

BN

LEWIS

PCK

ZDF FA/+

ZDF FA/FA

---

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

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

f = Results do not include incidental or strain related findings

## Rat SPF/VAF Report

### Japan

Charles River Laboratories Yokohama

| Location      | Health Status |
|---------------|---------------|
| Hino H21 Rats | SPF/VAF       |

| Summary Item                 | Method        | Primary Lab | Most Recent |                   | Past 18 Months    |
|------------------------------|---------------|-------------|-------------|-------------------|-------------------|
|                              |               |             | Test Date   | Positive / Tested | Positive / Tested |
| <b>Virology</b>              |               |             |             |                   |                   |
| SEND ac                      | MFIA/PCR      | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 213           |
| PVM ac                       | MFIA/PCR      | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 213           |
| SDAV ace                     | MFIA/PCR      | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 223           |
| KRV ac                       | MFIA/PCR      | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 213           |
| H-1 ac                       | MFIA/PCR      | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 213           |
| RPV ac                       | MFIA/PCR      | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 213           |
| RMV ac                       | MFIA/PCR      | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 213           |
| REO ac                       | MFIA/PCR      | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 213           |
| RTV ac                       | MFIA/PCR      | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 213           |
| LCMV ad                      | MFIA/PCR      | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 61            |
| HANT ad                      | MFIA/PCR      | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 61            |
| MAV ad                       | MFIA/PCR      | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 61            |
| <b>Microbiology</b>          |               |             |             |                   |                   |
| <i>B. bronchiseptica</i> ade | Culture/PCR   | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 111           |
| CAR Bacillus ad              | MFIA/PCR      | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 61            |
| <i>C. kutscheri</i> ade      | Culture/PCR   | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 111           |
| <i>H. bilis</i> ade          | PCR           | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 71            |
| <i>H. hepaticus</i> ade      | PCR           | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 71            |
| <i>Helicobacter sp.</i> ade  | PCR           | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 71            |
| <i>M. pulmonis</i> ac        | MFIA/PCR      | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 213           |
| <i>P. pneumotropica</i> ade  | Culture/PCR   | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 111           |
| <i>P. aeruginosa</i> bd      | Culture/PCR   | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 101           |
| <i>Salmonella sp.</i> ade    | Culture/PCR   | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 111           |
| <i>S. moniliformis</i> ad    | PCR           | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 61            |
| <i>Strep. pneumoniae</i> ade | Culture/PCR   | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 111           |
| CPIL (Tyzzer's Disease) ac   | Exam/MFIA/PCR | RADS JPN    | 12-Feb-2020 | 0 / 15            | 0 / 236           |
| <i>Pneumocystis sp.</i> ac   | MFIA/PCR      | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 213           |
| <i>C. bovis</i> bde          | PCR           | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 55            |
| <b>Pathology</b>             |               |             |             |                   |                   |
| Gross Exam df                | Exam          | RADS JPN    | 12-Feb-2020 | 0 / 15            | 0 / 124           |
| <b>Parasitology</b>          |               |             |             |                   |                   |
| Ectoparasites ade            | Exam/PCR      | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 111           |
| Helminths ade                | Exam/PCR      | RADS JPN    | 12-Feb-2020 | 0 / 15            | 0 / 134           |
| Enteric Protozoa ade         | Exam/PCR      | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 91            |
| <i>E. cuniculi</i> ad        | MFIA/PCR      | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 61            |

\* dashes indicate not tested during specified period



## **Rat SPF/VAF Report**

### **Japan**

---

Charles River Laboratories Yokohama

*Location*

Hino H21 Rats

*Health Status*

SPF/VAF

---

HOUSED STRAINS

**Outbred**

CD

---

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

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

f = Results do not include incidental or strain related findings

## Mouse SPF/VAF Report

### Japan

Charles River Laboratories Yokohama

| Location      | Health Status |
|---------------|---------------|
| Hino H22 Mice | SPF/VAF       |

| Summary Item    | Method   | Primary Lab | Most Recent |                   | Past 18 Months    |
|-----------------|----------|-------------|-------------|-------------------|-------------------|
|                 |          |             | Test Date   | Positive / Tested | Positive / Tested |
| <b>Virology</b> |          |             |             |                   |                   |
| SEND ac         | MFIA/PCR | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 213           |
| PVM ac          | MFIA/PCR | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 213           |
| MHV ace         | MFIA/PCR | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 223           |
| MVM ac          | MFIA/PCR | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 213           |
| MPV ac          | MFIA/PCR | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 213           |
| MNV ace         | MFIA/PCR | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 223           |
| TMEV (GDVII) ac | MFIA/PCR | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 213           |
| REO ac          | MFIA/PCR | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 213           |
| EDIM ac         | MFIA/PCR | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 213           |
| LCMV ad         | MFIA/PCR | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 61            |
| ECTRO ad        | MFIA/PCR | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 61            |
| MAV ad          | MFIA/PCR | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 61            |
| MCMV ad         | MFIA/PCR | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 61            |
| K ad            | MFIA/PCR | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 61            |
| POLY ad         | MFIA/PCR | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 61            |
| HANT ad         | MFIA/PCR | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 61            |
| MTLV ad         | MFIA/PCR | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 61            |
| LDV ad          | MFIA/PCR | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 45            |

|                                      |               |          |             |        |         |
|--------------------------------------|---------------|----------|-------------|--------|---------|
| <b>Microbiology</b>                  |               |          |             |        |         |
| <i>B. bronchiseptica</i> ade         | Culture/PCR   | RADS JPN | 12-Feb-2020 | 0 / 10 | 0 / 111 |
| <i>C. rodentium</i> ade              | Culture/PCR   | RADS JPN | 12-Feb-2020 | 0 / 15 | 0 / 134 |
| CAR <i>Bacillus</i> ad               | MFIA/PCR      | RADS JPN | 12-Feb-2020 | 0 / 10 | 0 / 61  |
| <i>C. kutscheri</i> ade              | Culture/PCR   | RADS JPN | 12-Feb-2020 | 0 / 10 | 0 / 111 |
| <i>H. bilis</i> ade                  | PCR           | RADS JPN | 12-Feb-2020 | 0 / 10 | 0 / 71  |
| <i>H. hepaticus</i> ade              | PCR           | RADS JPN | 12-Feb-2020 | 0 / 10 | 0 / 71  |
| <i>Helicobacter sp.</i> ade          | PCR           | RADS JPN | 12-Feb-2020 | 0 / 10 | 0 / 71  |
| <i>M. pulmonis</i> ac                | MFIA/PCR      | RADS JPN | 12-Feb-2020 | 0 / 10 | 0 / 213 |
| <i>P. pneumotropica</i> ade          | Culture/PCR   | RADS JPN | 12-Feb-2020 | 0 / 10 | 0 / 111 |
| <i>P. aeruginosa</i> bd              | Culture/PCR   | RADS JPN | 12-Feb-2020 | 0 / 10 | 0 / 101 |
| <i>Salmonella sp.</i> ade            | Culture/PCR   | RADS JPN | 12-Feb-2020 | 0 / 10 | 0 / 111 |
| <i>S. moniliformis</i> ad            | PCR           | RADS JPN | 12-Feb-2020 | 0 / 10 | 0 / 61  |
| <i>Strep. pneumoniae</i> ade         | Culture/PCR   | RADS JPN | 12-Feb-2020 | 0 / 10 | 0 / 111 |
| CPIL ( <i>Tyzzzer's Disease</i> ) ac | Exam/MFIA/PCR | RADS JPN | 12-Feb-2020 | 0 / 15 | 0 / 236 |
| <i>C. bovis</i> bde                  | PCR           | RADS JPN | 12-Feb-2020 | 0 / 10 | 0 / 55  |

|                  |      |          |             |        |         |
|------------------|------|----------|-------------|--------|---------|
| <b>Pathology</b> |      |          |             |        |         |
| Gross Exam df    | Exam | RADS JPN | 12-Feb-2020 | 0 / 15 | 0 / 124 |

|                     |          |          |             |        |         |
|---------------------|----------|----------|-------------|--------|---------|
| <b>Parasitology</b> |          |          |             |        |         |
| Ectoparasites ade   | Exam/PCR | RADS JPN | 12-Feb-2020 | 0 / 10 | 0 / 111 |
| Helminths ade       | Exam/PCR | RADS JPN | 12-Feb-2020 | 0 / 15 | 0 / 134 |



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

Charles River Laboratories Yokohama

*Location*  
Hino H22 Mice

*Health Status*  
SPF/VAF

| Summary Item                | Method   | Primary Lab | Most Recent |                   | Past 18 Months    |
|-----------------------------|----------|-------------|-------------|-------------------|-------------------|
|                             |          |             | Test Date   | Positive / Tested | Positive / Tested |
| <b>Parasitology</b>         |          |             |             |                   |                   |
| <i>Enteric Protozoa</i> ade | Exam/PCR | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 91            |
| <i>E. cuniculi</i> ad       | MFIA/PCR | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 61            |

\* dashes indicate not tested during specified period

HOUSED STRAINS

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

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

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

## Mouse SPF/VAF Report

### Japan

Charles River Laboratories Yokohama

Location *Health Status*  
Tsukuba T21 Mice SPF/VAF

| Summary Item                 | Method      | Primary Lab | Most Recent |                   | Past 18 Months    |
|------------------------------|-------------|-------------|-------------|-------------------|-------------------|
|                              |             |             | Test Date   | Positive / Tested | Positive / Tested |
| <b>Virology</b>              |             |             |             |                   |                   |
| SEND ac                      | PCR         | RADS JPN    | 04-Feb-2020 | 0 / 11            | 0 / 435           |
| PVM ac                       | PCR         | RADS JPN    | 04-Feb-2020 | 0 / 11            | 0 / 435           |
| MHV ac                       | PCR         | RADS JPN    | 04-Feb-2020 | 0 / 11            | 0 / 435           |
| MVM ac                       | PCR         | RADS JPN    | 04-Feb-2020 | 0 / 11            | 0 / 435           |
| MPV ac                       | PCR         | RADS JPN    | 04-Feb-2020 | 0 / 11            | 0 / 435           |
| MNV ac                       | PCR         | RADS JPN    | 04-Feb-2020 | 0 / 11            | 0 / 435           |
| TMEV (GDVII) ac              | PCR         | RADS JPN    | 04-Feb-2020 | 0 / 11            | 0 / 435           |
| REO ac                       | PCR         | RADS JPN    | 04-Feb-2020 | 0 / 11            | 0 / 435           |
| EDIM ac                      | PCR         | RADS JPN    | 04-Feb-2020 | 0 / 11            | 0 / 435           |
| LCMV a                       | PCR         | RADS JPN    | 03-Feb-2020 | 0 / 20            | 0 / 212           |
| ECTRO a                      | PCR         | RADS JPN    | 03-Feb-2020 | 0 / 20            | 0 / 212           |
| MAV a                        | PCR         | RADS JPN    | 03-Feb-2020 | 0 / 20            | 0 / 212           |
| MCMV a                       | PCR         | RADS JPN    | 03-Feb-2020 | 0 / 20            | 0 / 212           |
| K a                          | PCR         | RADS JPN    | 03-Feb-2020 | 0 / 20            | 0 / 212           |
| POLY a                       | PCR         | RADS JPN    | 03-Feb-2020 | 0 / 20            | 0 / 212           |
| HANT a                       | PCR         | RADS JPN    | 03-Feb-2020 | 0 / 20            | 0 / 212           |
| MTLV a                       | PCR         | RADS JPN    | 03-Feb-2020 | 0 / 20            | 0 / 212           |
| LDV ad                       | PCR         | RADS JPN    | 03-Feb-2020 | 0 / 20            | 0 / 168           |
| <b>Microbiology</b>          |             |             |             |                   |                   |
| <i>B. bronchiseptica</i> abc | Culture/PCR | RADS JPN    | 04-Feb-2020 | 0 / 53            | 0 / 1,104         |
| <i>C. rodentium</i> abc      | Culture/PCR | RADS JPN    | 04-Feb-2020 | 0 / 53            | 0 / 1,104         |
| CAR Bacillus a               | PCR         | RADS JPN    | 03-Feb-2020 | 0 / 20            | 0 / 212           |
| <i>C. kutscheri</i> abc      | Culture/PCR | RADS JPN    | 04-Feb-2020 | 0 / 53            | 0 / 1,104         |
| <i>H. bilis</i> a            | PCR         | RADS JPN    | 04-Feb-2020 | 0 / 11            | 0 / 395           |
| <i>H. hepaticus</i> a        | PCR         | RADS JPN    | 04-Feb-2020 | 0 / 11            | 0 / 395           |
| <i>Helicobacter sp.</i> a    | PCR         | RADS JPN    | 04-Feb-2020 | 0 / 11            | 0 / 395           |
| <i>M. pulmonis</i> ac        | PCR         | RADS JPN    | 04-Feb-2020 | 0 / 11            | 0 / 487           |
| <i>P. pneumotropica</i> abc  | Culture/PCR | RADS JPN    | 04-Feb-2020 | 0 / 53            | 0 / 1,104         |
| <i>P. aeruginosa</i> abc     | Culture/PCR | RADS JPN    | 04-Feb-2020 | 0 / 53            | 0 / 1,104         |
| <i>Salmonella sp.</i> abc    | Culture/PCR | RADS JPN    | 04-Feb-2020 | 0 / 53            | 0 / 1,104         |
| <i>Staph. aureus</i> abc     | Culture/PCR | RADS JPN    | 04-Feb-2020 | 0 / 53            | 0 / 1,104         |
| <i>S. moniliformis</i> a     | PCR         | RADS JPN    | 03-Feb-2020 | 0 / 20            | 0 / 264           |
| <i>Strep. pneumoniae</i> abc | Culture/PCR | RADS JPN    | 04-Feb-2020 | 0 / 53            | 0 / 1,104         |
| Beta Strep. sp. a            | Culture/PCR | RADS JPN    | 03-Feb-2020 | 0 / 20            | 0 / 498           |
| CPIL (Tyzzer's Disease) ac   | Exam/PCR    | RADS JPN    | 04-Feb-2020 | 0 / 11            | 0 / 629           |
| <i>Pneumocystis sp.</i> ac   | PCR         | RADS JPN    | 04-Feb-2020 | 0 / 11            | 0 / 435           |
| <i>C. bovis</i> ac           | PCR         | RADS JPN    | 04-Feb-2020 | 0 / 11            | 0 / 299           |
| <b>Pathology</b>             |             |             |             |                   |                   |
| Gross Exam ad                | Exam        | RADS JPN    | 03-Feb-2020 | 0 / 20            | 0 / 498           |



# Mouse SPF/VAF Report

## Japan

Charles River Laboratories Yokohama

|                  |                      |
|------------------|----------------------|
| <i>Location</i>  | <i>Health Status</i> |
| Tsukuba T21 Mice | SPF/VAF              |

| <i>Summary Item</i>       | <i>Method</i> | <i>Primary Lab</i> | <i>Most Recent</i> |                          | <i>Past 18 Months</i>    |
|---------------------------|---------------|--------------------|--------------------|--------------------------|--------------------------|
|                           |               |                    | <i>Test Date</i>   | <i>Positive / Tested</i> | <i>Positive / Tested</i> |
| <b>Parasitology</b>       |               |                    |                    |                          |                          |
| <i>Ectoparasites a</i>    | Exam/PCR      | RADS JPN           | 03-Feb-2020        | 0 / 20                   | 0 / 498                  |
| <i>Helminths a</i>        | Exam/PCR      | RADS JPN           | 03-Feb-2020        | 0 / 20                   | 0 / 498                  |
| <i>Enteric Protozoa a</i> | Exam/PCR      | RADS JPN           | 03-Feb-2020        | 0 / 20                   | 0 / 400                  |
| <i>E. cuniculi a</i>      | PCR           | RADS JPN           | 03-Feb-2020        | 0 / 20                   | 0 / 212                  |

\* dashes indicate not tested during specified period

### HOUSED STRAINS

#### Outbred

SHO

#### Other Strains

Congenic

NSG

COLONY POLICY FOR A POSITIVE RESULT: immediate termination

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

## Mouse SPF/VAF Report

### Japan

Charles River Laboratories Yokohama

Location *Health Status*  
Tsukuba T22 Mice SPF/VAF

| Summary Item                 | Method      | Primary Lab | Most Recent |                   | Past 18 Months    |
|------------------------------|-------------|-------------|-------------|-------------------|-------------------|
|                              |             |             | Test Date   | Positive / Tested | Positive / Tested |
| <b>Virology</b>              |             |             |             |                   |                   |
| SEND ac                      | PCR         | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 328           |
| PVM ac                       | PCR         | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 328           |
| MHV ac                       | PCR         | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 328           |
| MVM ac                       | PCR         | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 328           |
| MPV ac                       | PCR         | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 328           |
| MNV ac                       | PCR         | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 328           |
| TMEV (GDVII) ac              | PCR         | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 328           |
| REO ac                       | PCR         | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 328           |
| EDIM ac                      | PCR         | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 328           |
| LCMV a                       | PCR         | RADS JPN    | 10-Feb-2020 | 0 / 12            | 0 / 167           |
| ECTRO a                      | PCR         | RADS JPN    | 10-Feb-2020 | 0 / 12            | 0 / 167           |
| MAV a                        | PCR         | RADS JPN    | 10-Feb-2020 | 0 / 12            | 0 / 167           |
| MCMV a                       | PCR         | RADS JPN    | 10-Feb-2020 | 0 / 12            | 0 / 167           |
| K a                          | PCR         | RADS JPN    | 10-Feb-2020 | 0 / 12            | 0 / 167           |
| POLY a                       | PCR         | RADS JPN    | 10-Feb-2020 | 0 / 12            | 0 / 167           |
| HANT a                       | PCR         | RADS JPN    | 10-Feb-2020 | 0 / 12            | 0 / 167           |
| MTLV a                       | PCR         | RADS JPN    | 10-Feb-2020 | 0 / 12            | 0 / 167           |
| LDV ad                       | PCR         | RADS JPN    | 10-Feb-2020 | 0 / 12            | 0 / 140           |
| <b>Microbiology</b>          |             |             |             |                   |                   |
| <i>B. bronchiseptica</i> abc | Culture/PCR | RADS JPN    | 12-Feb-2020 | 0 / 45            | 0 / 875           |
| <i>C. rodentium</i> abc      | Culture/PCR | RADS JPN    | 12-Feb-2020 | 0 / 45            | 0 / 875           |
| CAR Bacillus a               | PCR         | RADS JPN    | 10-Feb-2020 | 0 / 12            | 0 / 167           |
| <i>C. kutscheri</i> abc      | Culture/PCR | RADS JPN    | 12-Feb-2020 | 0 / 45            | 0 / 875           |
| <i>H. bilis</i> a            | PCR         | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 321           |
| <i>H. hepaticus</i> a        | PCR         | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 321           |
| <i>Helicobacter sp.</i> a    | PCR         | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 321           |
| <i>M. pulmonis</i> ac        | PCR         | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 382           |
| <i>P. pneumotropica</i> abc  | Culture/PCR | RADS JPN    | 12-Feb-2020 | 0 / 45            | 0 / 875           |
| <i>P. aeruginosa</i> abc     | Culture/PCR | RADS JPN    | 12-Feb-2020 | 0 / 45            | 0 / 875           |
| <i>Salmonella sp.</i> abc    | Culture/PCR | RADS JPN    | 12-Feb-2020 | 0 / 45            | 0 / 875           |
| <i>Staph. aureus</i> abc     | Culture/PCR | RADS JPN    | 12-Feb-2020 | 0 / 45            | 0 / 875           |
| <i>S. moniliformis</i> a     | PCR         | RADS JPN    | 10-Feb-2020 | 0 / 12            | 0 / 221           |
| <i>Strep. pneumoniae</i> abc | Culture/PCR | RADS JPN    | 12-Feb-2020 | 0 / 45            | 0 / 875           |
| Beta Strep. sp. a            | Culture/PCR | RADS JPN    | 10-Feb-2020 | 0 / 12            | 0 / 404           |
| CPIL (Tyzzer's Disease) ac   | Exam/PCR    | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 504           |
| <i>Pneumocystis sp.</i> ac   | PCR         | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 328           |
| <i>C. bovis</i> ac           | PCR         | RADS JPN    | 12-Feb-2020 | 0 / 10            | 0 / 240           |
| <b>Pathology</b>             |             |             |             |                   |                   |
| Gross Exam ad                | Exam        | RADS JPN    | 10-Feb-2020 | 0 / 12            | 0 / 404           |





# Mouse SPF/VAF Report

## Japan

Charles River Laboratories Yokohama

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

| <i>Summary Item</i>       | <i>Method</i> | <i>Primary Lab</i> | <i>Most Recent</i> |                          | <i>Past 18 Months</i>    |
|---------------------------|---------------|--------------------|--------------------|--------------------------|--------------------------|
|                           |               |                    | <i>Test Date</i>   | <i>Positive / Tested</i> | <i>Positive / Tested</i> |
| <b>Parasitology</b>       |               |                    |                    |                          |                          |
| <i>Ectoparasites a</i>    | Exam/PCR      | RADS JPN           | 10-Feb-2020        | 0 / 12                   | 0 / 404                  |
| <i>Helminths a</i>        | Exam/PCR      | RADS JPN           | 10-Feb-2020        | 0 / 12                   | 0 / 404                  |
| <i>Enteric Protozoa a</i> | Exam/PCR      | RADS JPN           | 10-Feb-2020        | 0 / 12                   | 0 / 316                  |
| <i>E. cuniculi a</i>      | PCR           | RADS JPN           | 10-Feb-2020        | 0 / 12                   | 0 / 167                  |

\* dashes indicate not tested during specified period

### HOUSED STRAINS

#### Other Strains

Congenetic  
CB17SCID

COLONY POLICY FOR A POSITIVE RESULT: immediate termination

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



# Mouse SPF/VAF Report

## Japan

Charles River Laboratories Yokohama

Location: Tsukuba T23 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                      | PCR         | RADS JPN    | 18-Feb-2020 | 0 / 12            | 0 / 419           |
| PVM ac                       | PCR         | RADS JPN    | 18-Feb-2020 | 0 / 12            | 0 / 419           |
| MHV ac                       | PCR         | RADS JPN    | 18-Feb-2020 | 0 / 12            | 0 / 419           |
| MVM ac                       | PCR         | RADS JPN    | 18-Feb-2020 | 0 / 12            | 0 / 419           |
| MPV ac                       | PCR         | RADS JPN    | 18-Feb-2020 | 0 / 12            | 0 / 419           |
| MNV ac                       | PCR         | RADS JPN    | 18-Feb-2020 | 0 / 12            | 0 / 419           |
| TMEV (GDVII) ac              | PCR         | RADS JPN    | 18-Feb-2020 | 0 / 12            | 0 / 419           |
| REO ac                       | PCR         | RADS JPN    | 18-Feb-2020 | 0 / 12            | 0 / 419           |
| EDIM ac                      | PCR         | RADS JPN    | 18-Feb-2020 | 0 / 12            | 0 / 419           |
| LCMV a                       | PCR         | RADS JPN    | 10-Feb-2020 | 0 / 16            | 0 / 211           |
| ECTRO a                      | PCR         | RADS JPN    | 10-Feb-2020 | 0 / 16            | 0 / 211           |
| MAV a                        | PCR         | RADS JPN    | 10-Feb-2020 | 0 / 16            | 0 / 211           |
| MCMV a                       | PCR         | RADS JPN    | 10-Feb-2020 | 0 / 16            | 0 / 211           |
| K a                          | PCR         | RADS JPN    | 10-Feb-2020 | 0 / 16            | 0 / 211           |
| POLY a                       | PCR         | RADS JPN    | 10-Feb-2020 | 0 / 16            | 0 / 211           |
| HANT a                       | PCR         | RADS JPN    | 10-Feb-2020 | 0 / 16            | 0 / 211           |
| MTLV a                       | PCR         | RADS JPN    | 10-Feb-2020 | 0 / 16            | 0 / 211           |
| LDV ad                       | PCR         | RADS JPN    | 10-Feb-2020 | 0 / 16            | 0 / 180           |
| <b>Microbiology</b>          |             |             |             |                   |                   |
| <i>B. bronchiseptica</i> abc | Culture/PCR | RADS JPN    | 18-Feb-2020 | 0 / 57            | 0 / 1,123         |
| <i>C. rodentium</i> abc      | Culture/PCR | RADS JPN    | 18-Feb-2020 | 0 / 57            | 0 / 1,123         |
| CAR Bacillus a               | PCR         | RADS JPN    | 10-Feb-2020 | 0 / 16            | 0 / 211           |
| <i>C. kutscheri</i> abc      | Culture/PCR | RADS JPN    | 18-Feb-2020 | 0 / 57            | 0 / 1,123         |
| <i>H. bilis</i> a            | PCR         | RADS JPN    | 18-Feb-2020 | 0 / 12            | 0 / 406           |
| <i>H. hepaticus</i> a        | PCR         | RADS JPN    | 18-Feb-2020 | 0 / 12            | 0 / 406           |
| <i>Helicobacter</i> sp. a    | PCR         | RADS JPN    | 18-Feb-2020 | 0 / 12            | 0 / 406           |
| <i>M. pulmonis</i> ac        | PCR         | RADS JPN    | 18-Feb-2020 | 0 / 12            | 0 / 481           |
| <i>P. pneumotropica</i> abc  | Culture/PCR | RADS JPN    | 18-Feb-2020 | 0 / 57            | 0 / 1,123         |
| <i>P. aeruginosa</i> abc     | Culture/PCR | RADS JPN    | 18-Feb-2020 | 0 / 57            | 0 / 1,123         |
| <i>Salmonella</i> sp. abc    | Culture/PCR | RADS JPN    | 18-Feb-2020 | 0 / 57            | 0 / 1,123         |
| <i>Staph. aureus</i> abc     | Culture/PCR | RADS JPN    | 18-Feb-2020 | 0 / 57            | 0 / 1,123         |
| <i>S. moniliformis</i> a     | PCR         | RADS JPN    | 10-Feb-2020 | 0 / 16            | 0 / 273           |
| <i>Strep. pneumoniae</i> abc | Culture/PCR | RADS JPN    | 18-Feb-2020 | 0 / 57            | 0 / 1,123         |
| Beta Strep. sp. a            | Culture/PCR | RADS JPN    | 10-Feb-2020 | 0 / 16            | 0 / 498           |
| CPIL (Tyzzer's Disease) ac   | Exam/PCR    | RADS JPN    | 18-Feb-2020 | 0 / 12            | 0 / 631           |
| <i>Pneumocystis</i> sp. ac   | PCR         | RADS JPN    | 18-Feb-2020 | 0 / 12            | 0 / 419           |
| <i>C. bovis</i> ac           | PCR         | RADS JPN    | 18-Feb-2020 | 0 / 12            | 0 / 313           |
| <b>Pathology</b>             |             |             |             |                   |                   |
| Gross Exam ad                | Exam        | RADS JPN    | 10-Feb-2020 | 0 / 16            | 0 / 498           |



# Mouse SPF/VAF Report

## Japan

Charles River Laboratories Yokohama

|                  |                      |
|------------------|----------------------|
| <i>Location</i>  | <i>Health Status</i> |
| Tsukuba T23 Mice | SPF/VAF              |

| Summary Item              | Method   | Primary Lab | Most Recent |                   | Past 18 Months    |
|---------------------------|----------|-------------|-------------|-------------------|-------------------|
|                           |          |             | Test Date   | Positive / Tested | Positive / Tested |
| <b>Parasitology</b>       |          |             |             |                   |                   |
| <i>Ectoparasites</i> a    | Exam/PCR | RADS JPN    | 10-Feb-2020 | 0 / 16            | 0 / 498           |
| <i>Helminths</i> a        | Exam/PCR | RADS JPN    | 10-Feb-2020 | 0 / 16            | 0 / 498           |
| <i>Enteric Protozoa</i> a | Exam/PCR | RADS JPN    | 10-Feb-2020 | 0 / 16            | 0 / 393           |
| <i>E. cuniculi</i> a      | PCR      | RADS JPN    | 10-Feb-2020 | 0 / 16            | 0 / 211           |

\* dashes indicate not tested during specified period

### HOUSED STRAINS

#### Other Strains

Congenetic  
 NOD SCID  
 SCID BEIGE

COLONY POLICY FOR A POSITIVE RESULT: immediate termination

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