

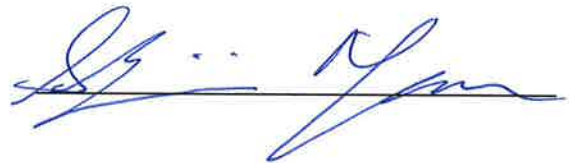
2019年5月27日

お客様 各位

生産動物 微生物モニタリング結果報告書

(2019年5月度)

試験責任者：モニタリングセンター長 丸山滋





Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

| Location | Health Status |
|-----------------|---------------|
| Atsugi A11 Mice | SPF/VAF |

| Summary Item | Method | Primary Lab | Most Recent | | Past 18 Months |
|----------------------------|---------------|-------------|-------------|-------------------|-------------------|
| | | | Test Date | Positive / Tested | Positive / Tested |
| Virology | | | | | |
| SEND ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 154 |
| PVM ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 154 |
| MHV ace | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 155 |
| MVM ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 154 |
| MPV ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 154 |
| MNV ace | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 155 |
| TMEV (GDVII) ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 154 |
| REO ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 154 |
| EDIM ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 154 |
| LCMV ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| ECTRO ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| MAV ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| MCMV ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| K ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| POLY ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| HANT ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| MTLV ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| LDV ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 10 |
| Microbiology | | | | | |
| B. bronchiseptica ade | Culture/PCR | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 200 |
| C. rodentium ade | Culture/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 203 |
| CAR Bacillus ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| C. kutscheri ade | Culture/PCR | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 200 |
| H. bilis ade | PCR | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 56 |
| H. hepaticus ade | PCR | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 56 |
| Helicobacter sp. ade | PCR | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 56 |
| M. pulmonis ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 167 |
| P. pneumotropica ade | Culture/PCR | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 200 |
| P. aeruginosa ade | Culture/PCR | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 200 |
| Salmonella sp. ade | Culture/PCR | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 200 |
| Staph. aureus ade | Culture/PCR | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 200 |
| S. moniliformis ad | PCR | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 55 |
| Strep. pneumoniae ade | Culture/PCR | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 200 |
| CPIL (Tyzzer's Disease) ac | Exam/MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 223 |
| Pneumocystis sp. ad | PCR | RADS JPN | 13-May-2019 | 0 / 5 | 0 / 45 |
| C. bovis ade | PCR | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 16 |
| Pathology | | | | | |
| Gross Exam df | Exam | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 207 |



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 |
| Parasitology | | | | | |
| <i>Ectoparasites</i> ade | Exam/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 195 |
| <i>Helminths</i> ade | Exam/PCR | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 208 |
| <i>Enteric Protozoa</i> ade | Exam/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 139 |
| <i>E. cuniculi</i> ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |

* dashes indicate not tested during specified period

Hybrid
CDF-1

HOUSED STRAINS

| | |
|----------------|---------------|
| Outbred | Inbred |
| NU/NU CD1 | NU/NU B/C |
| NU+ CD1 | NU+ B/C |

COLONY POLICY FOR A POSITIVE RESULT: a = immediate termination

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

Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

| Location | | Health Status | | | |
|------------------------------|---------------|---------------|-------------|-------------------|-------------------|
| Atsugi A12 Mice | | SPF/VAF | | | |
| Summary Item | Method | Primary Lab | Most Recent | | Past 18 Months |
| | | | Test Date | Positive / Tested | Positive / Tested |
| Virology | | | | | |
| SEND ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 154 |
| PVM ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 154 |
| MHV ace | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 155 |
| MVM ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 154 |
| MPV ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 154 |
| MNV ace | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 155 |
| TMEV (GDVII) ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 154 |
| REO ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 154 |
| EDIM ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 154 |
| LCMV ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| ECTRO ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| MAV ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| MCMV ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| K ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| POLY ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| HANT ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| MTLV ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| LDV ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 10 |
| Microbiology | | | | | |
| <i>B. bronchiseptica</i> ade | Culture/PCR | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 200 |
| <i>C. rodentium</i> ade | Culture/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 203 |
| CAR <i>Bacillus</i> ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| <i>C. kutscheri</i> ade | Culture/PCR | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 200 |
| <i>H. bilis</i> ade | PCR | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 56 |
| <i>H. hepaticus</i> ade | PCR | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 56 |
| <i>Helicobacter</i> sp. ade | PCR | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 56 |
| <i>M. pulmonis</i> ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 167 |
| <i>P. pneumotropica</i> ade | Culture/PCR | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 200 |
| <i>P. aeruginosa</i> ade | Culture/PCR | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 200 |
| <i>Salmonella</i> sp. ade | Culture/PCR | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 200 |
| <i>Staph. aureus</i> ade | Culture/PCR | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 200 |
| <i>S. moniliformis</i> ad | PCR | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 55 |
| <i>Strep. pneumoniae</i> ade | Culture/PCR | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 200 |
| CPIL (Tyzzer's Disease) ac | Exam/MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 223 |
| <i>Pneumocystis</i> sp. ad | PCR | RADS JPN | 13-May-2019 | 0 / 5 | 0 / 45 |
| <i>C. bovis</i> ade | PCR | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 16 |
| Pathology | | | | | |
| Gross Exam df | Exam | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 207 |



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 |
| Parasitology | | | | | |
| <i>Ectoparasites</i> ade | Exam/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 195 |
| <i>Helminths</i> ade | Exam/PCR | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 208 |
| <i>Enteric Protozoa</i> ade | Exam/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 139 |
| <i>E. cuniculi</i> ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |

* dashes indicate not tested during specified period

HOUSED STRAINS

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

COLONY POLICY FOR A POSITIVE RESULT: a = immediate termination

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

Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location *Health Status*
Atsugi A13 Mice SPF/VAF

| Summary Item | Method | Primary Lab | Most Recent | | Past 18 Months |
|------------------------------------|---------------|-------------|-------------|-------------------|-------------------|
| | | | Test Date | Positive / Tested | Positive / Tested |
| Virology | | | | | |
| SEND ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 154 |
| PVM ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 154 |
| MHV ace | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 155 |
| MVM ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 154 |
| MPV ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 154 |
| MNV ace | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 155 |
| TMEV (GDVII) ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 154 |
| REO ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 154 |
| EDIM ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 154 |
| LCMV ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| ECTRO ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| MAV ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| MCMV ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| K ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| POLY ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| HANT ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| MTLV ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| LDV ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 10 |
| Microbiology | | | | | |
| <i>B. bronchiseptica</i> ade | Culture/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 139 |
| <i>C. rodentium</i> ade | Culture/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 159 |
| CAR <i>Bacillus</i> ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| <i>C. kutscheri</i> ade | Culture/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 139 |
| <i>H. bilis</i> ade | PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 51 |
| <i>H. hepaticus</i> ade | PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 51 |
| <i>Helicobacter</i> sp. ade | PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 51 |
| <i>M. pulmonis</i> ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 154 |
| <i>P. pneumotropica</i> ade | Culture/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 139 |
| <i>P. aeruginosa</i> bd | Culture/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 138 |
| <i>Salmonella</i> sp. ade | Culture/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 139 |
| <i>S. moniliformis</i> ad | PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| <i>Strep. pneumoniae</i> ade | Culture/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 139 |
| CPIL (<i>Tyzzers Disease</i>) ac | Exam/MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 179 |
| <i>C. bovis</i> bde | PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 11 |
| Pathology | | | | | |
| Gross Exam df | Exam | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 163 |
| Parasitology | | | | | |
| Ectoparasites ade | Exam/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 139 |
| Helminths ade | Exam/PCR | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 164 |



charles river
Mouse SPF/VAF Report
Japan

Charles River Laboratories Yokohama

Location *Health Status*
 Atsugi A13 Mice SPF/VAF

| Summary Item | Method | Primary Lab | Most Recent | | Past 18 Months |
|-----------------------------|----------|-------------|-------------|-------------------|-------------------|
| | | | Test Date | Positive / Tested | Positive / Tested |
| Parasitology | | | | | |
| <i>Enteric Protozoa</i> ade | Exam/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 95 |
| <i>E. cuniculi</i> ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |

* dashes indicate not tested during specified period

HOUSED STRAINS

Inbred
 C57BL/6J
 C57BL/6N

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

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

Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location *Health Status*
Atsugi A14 Mice SPF/VAF

| Summary Item | Method | Primary Lab | Most Recent | | Past 18 Months |
|------------------------------------|---------------|-------------|-------------|-------------------|-------------------|
| | | | Test Date | Positive / Tested | Positive / Tested |
| Virology | | | | | |
| SEND ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 154 |
| PVM ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 154 |
| MHV ace | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 155 |
| MVM ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 154 |
| MPV ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 154 |
| MNV ace | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 155 |
| TMEV (GDVII) ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 154 |
| REO ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 154 |
| EDIM ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 154 |
| LCMV ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| ECTRO ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| MAV ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| MCMV ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| K ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| POLY ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| HANT ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| MTLV ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| LDV ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 10 |
| Microbiology | | | | | |
| <i>B. bronchiseptica</i> ade | Culture/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 139 |
| <i>C. rodentium</i> ade | Culture/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 159 |
| CAR <i>Bacillus</i> ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| <i>C. kutscheri</i> ade | Culture/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 139 |
| <i>H. bilis</i> ade | PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 51 |
| <i>H. hepaticus</i> ade | PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 51 |
| <i>Helicobacter</i> sp. ade | PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 51 |
| <i>M. pulmonis</i> ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 154 |
| <i>P. pneumotropica</i> ade | Culture/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 139 |
| <i>P. aeruginosa</i> bd | Culture/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 138 |
| <i>Salmonella</i> sp. ade | Culture/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 139 |
| <i>S. moniliformis</i> ad | PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| <i>Strep. pneumoniae</i> ade | Culture/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 139 |
| CPIL (<i>Tyzzers Disease</i>) ac | Exam/MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 179 |
| <i>C. bovis</i> bde | PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 11 |
| Pathology | | | | | |
| Gross Exam df | Exam | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 163 |
| Parasitology | | | | | |
| Ectoparasites ade | Exam/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 139 |
| Helminths ade | Exam/PCR | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 164 |



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> |
| Parasitology | | | | | |
| <i>Enteric Protozoa</i> ade | Exam/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 95 |
| <i>E. cuniculi</i> ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |

* dashes indicate not tested during specified period

HOUSED STRAINS

| | |
|----------------|---------------|
| Outbred | Inbred |
| 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 |
| Virology | | | | | |
| SEND ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 154 |
| PVM ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 154 |
| MHV ace | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 155 |
| MVM ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 154 |
| MPV ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 154 |
| MNV ace | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 155 |
| TMEV (GDVII) ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 154 |
| REO ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 154 |
| EDIM ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 154 |
| LCMV ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| ECTRO ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| MAV ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| MCMV ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| K ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| POLY ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| HANT ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| MTLV ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| LDV ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 10 |
| Microbiology | | | | | |
| <i>B. bronchiseptica</i> ade | Culture/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 139 |
| <i>C. rodentium</i> ade | Culture/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 159 |
| CAR <i>Bacillus</i> ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| <i>C. kutscheri</i> ade | Culture/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 139 |
| <i>H. bilis</i> ade | PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 51 |
| <i>H. hepaticus</i> ade | PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 51 |
| <i>Helicobacter</i> sp. ade | PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 51 |
| <i>M. pulmonis</i> ac | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 154 |
| <i>P. pneumotropica</i> ade | Culture/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 139 |
| <i>P. aeruginosa</i> bd | Culture/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 138 |
| <i>Salmonella</i> sp. ade | Culture/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 139 |
| <i>S. moniliformis</i> ad | PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |
| <i>Strep. pneumoniae</i> ade | Culture/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 139 |
| CPIL (<i>Tyzzers Disease</i>) ac | Exam/MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 179 |
| <i>C. bovis</i> bde | PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 11 |
| Pathology | | | | | |
| Gross Exam df | Exam | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 163 |
| Parasitology | | | | | |
| Ectoparasites ade | Exam/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 139 |
| Helminths ade | Exam/PCR | RADS JPN | 13-May-2019 | 0 / 15 | 0 / 164 |



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> |
| Parasitology | | | | | |
| <i>Enteric Protozoa</i> ade | Exam/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 95 |
| <i>E. cuniculi</i> ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 10 | 0 / 50 |

* dashes indicate not tested during specified period

HOUSED STRAINS

Inbred
C57BL/6J

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

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

Rat SPF/VAF Report

Japan

Charles River Laboratories Yokohama

| Location | Health Status | | Atsugi A21 Rats | | |
|------------------------------|---------------|-------------|-----------------|-------------------|-------------------|
| | | | SPF/VAF | | |
| Summary Item | Method | Primary Lab | Most Recent | | Past 18 Months |
| | | | Test Date | Positive / Tested | Positive / Tested |
| Virology | | | | | |
| SEND ac | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 46 |
| PVM ac | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 46 |
| SDAV ace | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 47 |
| KRV ac | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 46 |
| H-1 ac | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 46 |
| RPV ac | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 46 |
| RMV ac | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 46 |
| REO ac | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 46 |
| RTV ac | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 46 |
| LCMV ad | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 18 |
| HANT ad | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 18 |
| MAV ad | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 18 |
| Microbiology | | | | | |
| <i>B. bronchiseptica</i> ade | Culture/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 27 |
| CAR Bacillus ad | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 18 |
| <i>C. kutscheri</i> ade | Culture/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 27 |
| <i>H. bilis</i> ade | PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 19 |
| <i>H. hepaticus</i> ade | PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 19 |
| <i>Helicobacter sp.</i> ade | PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 19 |
| <i>M. pulmonis</i> ac | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 46 |
| <i>P. pneumotropica</i> ade | Culture/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 27 |
| <i>P. aeruginosa</i> bd | Culture/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 26 |
| <i>Salmonella sp.</i> ade | Culture/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 27 |
| <i>S. moniliformis</i> ad | PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 18 |
| <i>Strep. pneumoniae</i> ade | Culture/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 27 |
| CPIL (Tyzzer's Disease) ac | Exam/MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 15 | 0 / 51 |
| <i>Pneumocystis sp.</i> ac | Exam/MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 46 |
| <i>C. bovis</i> bde | PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 11 |
| Pathology | | | | | |
| Gross Exam df | Exam | RADS JPN | 08-May-2019 | 0 / 15 | 0 / 16 |
| Parasitology | | | | | |
| Ectoparasites ade | Exam/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 27 |
| Helminths ade | Exam/PCR | RADS JPN | 08-May-2019 | 0 / 15 | 0 / 32 |
| Enteric Protozoa ade | Exam/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 23 |
| <i>E. cuniculi</i> ad | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 18 |

* 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 |
| Virology | | | | | |
| SEND ac | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 154 |
| PVM ac | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 154 |
| MHV ace | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 155 |
| MVM ac | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 154 |
| MPV ac | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 154 |
| MNV ace | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 155 |
| TMEV (GDVII) ac | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 154 |
| REO ac | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 154 |
| EDIM ac | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 154 |
| LCMV ad | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 50 |
| ECTRO ad | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 50 |
| MAV ad | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 50 |
| MCMV ad | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 50 |
| K ad | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 50 |
| POLY ad | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 50 |
| HANT ad | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 50 |
| MTLV ad | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 50 |
| LDV ad | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 10 |
| Microbiology | | | | | |
| <i>B. bronchiseptica</i> ade | Culture/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 139 |
| <i>C. rodentium</i> ade | Culture/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 159 |
| CAR <i>Bacillus</i> ad | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 50 |
| <i>C. kutscheri</i> ade | Culture/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 139 |
| <i>H. bilis</i> ade | PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 51 |
| <i>H. hepaticus</i> ade | PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 51 |
| <i>Helicobacter</i> sp. ade | PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 51 |
| <i>M. pulmonis</i> ac | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 154 |
| <i>P. pneumotropica</i> ade | Culture/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 139 |
| <i>P. aeruginosa</i> bd | Culture/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 138 |
| <i>Salmonella</i> sp. ade | Culture/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 139 |
| <i>S. moniliformis</i> ad | PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 50 |
| <i>Strep. pneumoniae</i> ade | Culture/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 139 |
| CPIL (<i>Tyzzers Disease</i>) ac | Exam/MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 15 | 0 / 179 |
| <i>C. bovis</i> bde | PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 11 |
| Pathology | | | | | |
| Gross Exam df | Exam | RADS JPN | 08-May-2019 | 0 / 15 | 0 / 191 |
| Parasitology | | | | | |
| Ectoparasites ade | Exam/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 139 |
| Helminths ade | Exam/PCR | RADS JPN | 08-May-2019 | 0 / 15 | 0 / 164 |



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> |
| Parasitology | | | | | |
| <i>Enteric Protozoa</i> ade | Exam/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 95 |
| <i>E. cuniculi</i> ad | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 50 |

* dashes indicate not tested during specified period

HOUSED STRAINS

| | |
|---------------|---------------|
| Inbred | Hybrid |
| 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 A25 Mice | | SPF/VAF | | | |
| Summary Item | Method | Primary Lab | Most Recent | | Past 18 Months |
| | | | Test Date | Positive / Tested | Positive / Tested |
| Virology | | | | | |
| SEND ac | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 10 |
| PVM ac | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 10 |
| MHV ace | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 11 |
| MVM ac | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 10 |
| MPV ac | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 10 |
| MNV ace | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 11 |
| TMEV (GDVII) ac | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 10 |
| REO ac | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 10 |
| EDIM ac | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 10 |
| LCMV ad | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 10 |
| ECTRO ad | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 10 |
| MAV ad | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 10 |
| MCMV ad | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 10 |
| K ad | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 10 |
| POLY ad | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 10 |
| HANT ad | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 10 |
| MTLV ad | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 10 |
| LDV ad | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 10 |
| Microbiology | | | | | |
| <i>B. bronchiseptica</i> ade | Culture/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 11 |
| <i>C. rodentium</i> ade | Culture/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 11 |
| CAR <i>Bacillus</i> ad | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 10 |
| <i>C. kutscheri</i> ade | Culture/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 11 |
| <i>H. bilis</i> ade | PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 11 |
| <i>H. hepaticus</i> ade | PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 11 |
| <i>Helicobacter</i> sp. ade | PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 11 |
| <i>M. pulmonis</i> ac | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 10 |
| <i>P. pneumotropica</i> ade | Culture/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 11 |
| <i>P. aeruginosa</i> bd | Culture/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 10 |
| <i>Salmonella</i> sp. ade | Culture/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 11 |
| <i>S. moniliformis</i> ad | PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 10 |
| <i>Strep. pneumoniae</i> ade | Culture/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 11 |
| CPIL (<i>Tyzzers Disease</i>) ac | Exam/MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 15 | 0 / 15 |
| <i>C. bovis</i> bde | PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 11 |
| Pathology | | | | | |
| Gross Exam df | Exam | RADS JPN | 08-May-2019 | 0 / 15 | 0 / 15 |
| Parasitology | | | | | |
| Ectoparasites ade | Exam/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 11 |
| Helminths ade | Exam/PCR | RADS JPN | 08-May-2019 | 0 / 15 | 0 / 16 |



charles river
Mouse SPF/VAF Report
Japan

Charles River Laboratories Yokohama

Location: Atsugi A25 Mice
 Health Status: SPF/VAF

| Summary Item | Method | Primary Lab | Most Recent | | Past 18 Months |
|-----------------------|----------|-------------|-------------|-------------------|-------------------|
| | | | Test Date | Positive / Tested | Positive / Tested |
| Parasitology | | | | | |
| Enteric Protozoa ade | Exam/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 11 |
| <i>E. cuniculi</i> ad | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 10 | 0 / 10 |

* 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 |
| Virology | | | | | |
| SEND ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 162 |
| PVM ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 162 |
| SDAV ace | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 163 |
| KRV ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 162 |
| H-1 ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 162 |
| RPV ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 162 |
| RMV ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 162 |
| REO ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 162 |
| RTV ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 162 |
| LCMV ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 58 |
| HANT ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 58 |
| MAV ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 58 |
| Microbiology | | | | | |
| <i>B. bronchiseptica</i> ade | Culture/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 147 |
| CAR Bacillus ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 58 |
| <i>C. kutscheri</i> ade | Culture/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 147 |
| <i>H. bilis</i> ade | PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 59 |
| <i>H. hepaticus</i> ade | PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 59 |
| <i>Helicobacter sp.</i> ade | PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 59 |
| <i>M. pulmonis</i> ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 162 |
| <i>P. pneumotropica</i> ade | Culture/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 147 |
| <i>P. aeruginosa</i> bd | Culture/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 146 |
| <i>Salmonella sp.</i> ade | Culture/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 147 |
| <i>S. moniliformis</i> ad | PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 58 |
| <i>Strep. pneumoniae</i> ade | Culture/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 147 |
| CPIL (Tyzzer's Disease) ac | Exam/MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 15 | 0 / 191 |
| <i>Pneumocystis sp.</i> ac | Exam/MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 162 |
| <i>C. bovis</i> bde | PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 11 |
| Pathology | | | | | |
| Gross Exam df | Exam | RADS JPN | 15-May-2019 | 0 / 15 | 0 / 135 |
| Parasitology | | | | | |
| Ectoparasites ade | Exam/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 147 |
| Helminths ade | Exam/PCR | RADS JPN | 15-May-2019 | 0 / 15 | 0 / 176 |
| Enteric Protozoa ade | Exam/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 103 |
| <i>E. cuniculi</i> ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 58 |

* dashes indicate not tested during specified period



Rat SPF/VAF Report

Japan

Charles River Laboratories Yokohama

Location

Hino H11 Rats

Health Status

SPF/VAF

HOUSED STRAINS

Outbred

WISTAR

Inbred

F344

SHR

WKY

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

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

f = Results do not include incidental or strain related findings

Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

| Location | Health Status |
|---------------|---------------|
| Hino H12 Mice | SPF/VAF |

| Summary Item | Method | Primary Lab | Most Recent | | Past 18 Months |
|------------------------------------|---------------|-------------|-------------|-------------------|-------------------|
| | | | Test Date | Positive / Tested | Positive / Tested |
| Virology | | | | | |
| SEND ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 170 |
| PVM ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 170 |
| MHV ace | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 171 |
| MVM ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 170 |
| MPV ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 170 |
| MNV ace | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 171 |
| TMEV (GDVII) ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 170 |
| REO ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 170 |
| EDIM ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 170 |
| LCMV ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 66 |
| ECTRO ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 66 |
| MAV ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 66 |
| MCMV ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 66 |
| K ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 66 |
| POLY ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 66 |
| HANT ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 66 |
| MTLV ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 66 |
| LDV ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 10 |
| Microbiology | | | | | |
| <i>B. bronchiseptica</i> ade | Culture/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 155 |
| <i>C. rodentium</i> ade | Culture/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 179 |
| CAR <i>Bacillus</i> ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 66 |
| <i>C. kutscheri</i> ade | Culture/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 155 |
| <i>H. bilis</i> ade | PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 67 |
| <i>H. hepaticus</i> ade | PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 67 |
| <i>Helicobacter</i> sp. ade | PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 67 |
| <i>M. pulmonis</i> ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 170 |
| <i>P. pneumotropica</i> ade | Culture/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 155 |
| <i>P. aeruginosa</i> bd | Culture/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 154 |
| <i>Salmonella</i> sp. ade | Culture/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 155 |
| <i>S. moniliformis</i> ad | PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 66 |
| <i>Strep. pneumoniae</i> ade | Culture/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 155 |
| CPIL (<i>Tyzzers Disease</i>) ac | Exam/MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 15 | 0 / 199 |
| <i>C. bovis</i> bde | PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 11 |
| Pathology | | | | | |
| Gross Exam df | Exam | RADS JPN | 15-May-2019 | 0 / 15 | 0 / 183 |
| Parasitology | | | | | |
| Ectoparasites ade | Exam/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 155 |
| Helminths ade | Exam/PCR | RADS JPN | 15-May-2019 | 0 / 15 | 0 / 184 |



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> |
| Parasitology | | | | | |
| <i>Enteric Protozoa</i> ade | Exam/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 111 |
| <i>E. cuniculi</i> ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 66 |

* 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 |
|---------------|---------------|
| Hino H13 Rats | SPF/VAF |

| Summary Item | Method | Primary Lab | Most Recent | | Past 18 Months |
|------------------------------|---------------|-------------|-------------|-------------------|-------------------|
| | | | Test Date | Positive / Tested | Positive / Tested |
| Virology | | | | | |
| SEND ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 162 |
| PVM ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 162 |
| SDAV ace | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 163 |
| KRV ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 162 |
| H-1 ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 162 |
| RPV ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 162 |
| RMV ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 162 |
| REO ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 162 |
| RTV ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 162 |
| LCMV ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 58 |
| HANT ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 58 |
| MAV ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 58 |
| Microbiology | | | | | |
| <i>B. bronchiseptica</i> ade | Culture/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 147 |
| CAR Bacillus ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 58 |
| <i>C. kutscheri</i> ade | Culture/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 147 |
| <i>H. bilis</i> ade | PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 59 |
| <i>H. hepaticus</i> ade | PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 59 |
| <i>Helicobacter sp.</i> ade | PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 59 |
| <i>M. pulmonis</i> ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 162 |
| <i>P. pneumotropica</i> ade | Culture/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 147 |
| <i>P. aeruginosa</i> bd | Culture/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 146 |
| <i>Salmonella sp.</i> ade | Culture/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 147 |
| <i>S. moniliformis</i> ad | PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 58 |
| <i>Strep. pneumoniae</i> ade | Culture/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 147 |
| CPIL (Tyzzer's Disease) ac | Exam/MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 15 | 0 / 191 |
| <i>Pneumocystis sp.</i> ac | Exam/MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 162 |
| <i>C. bovis</i> bde | PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 11 |
| Pathology | | | | | |
| Gross Exam df | Exam | RADS JPN | 15-May-2019 | 0 / 15 | 0 / 135 |
| Parasitology | | | | | |
| Ectoparasites ade | Exam/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 147 |
| Helminths ade | Exam/PCR | RADS JPN | 15-May-2019 | 0 / 15 | 0 / 176 |
| Enteric Protozoa ade | Exam/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 103 |
| <i>E. cuniculi</i> ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 58 |

* 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

ZUC-FA/FA

ZUC-LEAN

Inbred

BN

LEWIS

PCK

ZDF FA/+

ZDF FA/FA

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

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

f = Results do not include incidental or strain related findings

Rat SPF/VAF Report

Japan

Charles River Laboratories Yokohama

| Location | Health Status | | Summary Item | | |
|------------------------------|---------------|----------|--------------|-------------|-----------|
| | | | Method | Primary Lab | Test Date |
| Hino H21 Rats | SPF/VAF | | | | |
| Virology | | | | | |
| SEND ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 162 |
| PVM ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 162 |
| SDAV ace | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 163 |
| KRV ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 162 |
| H-1 ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 162 |
| RPV ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 162 |
| RMV ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 162 |
| REO ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 162 |
| RTV ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 162 |
| LCMV ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 58 |
| HANT ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 58 |
| MAV ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 58 |
| Microbiology | | | | | |
| <i>B. bronchiseptica</i> ade | Culture/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 147 |
| CAR Bacillus ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 58 |
| <i>C. kutscheri</i> ade | Culture/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 147 |
| <i>H. bilis</i> ade | PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 59 |
| <i>H. hepaticus</i> ade | PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 59 |
| <i>Helicobacter sp.</i> ade | PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 59 |
| <i>M. pulmonis</i> ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 162 |
| <i>P. pneumotropica</i> ade | Culture/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 147 |
| <i>P. aeruginosa</i> bd | Culture/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 146 |
| <i>Salmonella sp.</i> ade | Culture/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 147 |
| <i>S. moniliformis</i> ad | PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 58 |
| <i>Strep. pneumoniae</i> ade | Culture/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 147 |
| CPIL (Tyzzer's Disease) ac | Exam/MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 15 | 0 / 191 |
| <i>Pneumocystis sp.</i> ac | Exam/MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 162 |
| <i>C. bovis</i> bde | PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 11 |
| Pathology | | | | | |
| Gross Exam df | Exam | RADS JPN | 15-May-2019 | 0 / 15 | 0 / 135 |
| Parasitology | | | | | |
| Ectoparasites ade | Exam/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 147 |
| Helminths ade | Exam/PCR | RADS JPN | 15-May-2019 | 0 / 15 | 0 / 176 |
| Enteric Protozoa ade | Exam/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 103 |
| <i>E. cuniculi</i> ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 58 |

* 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: Hino H22 Mice
Health Status: SPF/VAF

| Summary Item | Method | Primary Lab | Most Recent | | Past 18 Months |
|------------------------------------|---------------|-------------|-------------|-------------------|-------------------|
| | | | Test Date | Positive / Tested | Positive / Tested |
| Virology | | | | | |
| SEND ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 170 |
| PVM ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 170 |
| MHV ace | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 171 |
| MVM ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 170 |
| MPV ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 170 |
| MNV ace | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 171 |
| TMEV (GDVII) ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 170 |
| REO ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 170 |
| EDIM ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 170 |
| LCMV ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 66 |
| ECTRO ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 66 |
| MAV ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 66 |
| MCMV ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 66 |
| K ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 66 |
| POLY ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 66 |
| HANT ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 66 |
| MTLV ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 66 |
| LDV ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 10 |
| Microbiology | | | | | |
| <i>B. bronchiseptica</i> ade | Culture/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 155 |
| <i>C. rodentium</i> ade | Culture/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 179 |
| CAR <i>Bacillus</i> ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 66 |
| <i>C. kutscheri</i> ade | Culture/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 155 |
| <i>H. bilis</i> ade | PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 67 |
| <i>H. hepaticus</i> ade | PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 67 |
| <i>Helicobacter</i> sp. ade | PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 67 |
| <i>M. pulmonis</i> ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 170 |
| <i>P. pneumotropica</i> ade | Culture/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 155 |
| <i>P. aeruginosa</i> bd | Culture/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 154 |
| <i>Salmonella</i> sp. ade | Culture/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 155 |
| <i>S. moniliformis</i> ad | PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 66 |
| <i>Strep. pneumoniae</i> ade | Culture/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 155 |
| CPIL (<i>Tyzzers Disease</i>) ac | Exam/MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 15 | 0 / 199 |
| <i>C. bovis</i> bde | PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 11 |
| Pathology | | | | | |
| Gross Exam df | Exam | RADS JPN | 15-May-2019 | 0 / 15 | 0 / 247 |
| Parasitology | | | | | |
| Ectoparasites ade | Exam/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 155 |
| Helminths ade | Exam/PCR | RADS JPN | 15-May-2019 | 0 / 15 | 0 / 184 |



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 |
| Parasitology | | | | | |
| <i>Enteric Protozoa</i> ade | Exam/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 111 |
| <i>E. cuniculi</i> ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 66 |

* 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 |
|---------------|---------------|
| Hino H23 Mice | SPF/VAF |

| Summary Item | Method | Primary Lab | Most Recent | | Past 18 Months |
|------------------------------------|---------------|-------------|-------------|-------------------|-------------------|
| | | | Test Date | Positive / Tested | Positive / Tested |
| Virology | | | | | |
| SEND ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 162 |
| PVM ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 162 |
| MHV ace | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 163 |
| MVM ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 162 |
| MPV ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 162 |
| MNV ace | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 163 |
| TMEV (GDVII) ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 162 |
| REO ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 162 |
| EDIM ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 162 |
| LCMV ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 58 |
| ECTRO ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 58 |
| MAV ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 58 |
| MCMV ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 58 |
| K ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 58 |
| POLY ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 58 |
| HANT ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 58 |
| MTLV ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 58 |
| LDV ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 10 |
| Microbiology | | | | | |
| <i>B. bronchiseptica</i> ade | Culture/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 147 |
| <i>C. rodentium</i> ade | Culture/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 171 |
| CAR <i>Bacillus</i> ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 58 |
| <i>C. kutscheri</i> ade | Culture/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 147 |
| <i>H. bilis</i> ade | PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 59 |
| <i>H. hepaticus</i> ade | PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 59 |
| <i>Helicobacter</i> sp. ade | PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 59 |
| <i>M. pulmonis</i> ac | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 162 |
| <i>P. pneumotropica</i> ade | Culture/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 147 |
| <i>P. aeruginosa</i> bd | Culture/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 146 |
| <i>Salmonella</i> sp. ade | Culture/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 147 |
| <i>S. moniliformis</i> ad | PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 58 |
| <i>Strep. pneumoniae</i> ade | Culture/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 147 |
| CPIL (<i>Tyzzers Disease</i>) ac | Exam/MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 15 | 0 / 191 |
| <i>C. bovis</i> bde | PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 11 |
| Pathology | | | | | |
| Gross Exam df | Exam | RADS JPN | 15-May-2019 | 0 / 15 | 0 / 175 |
| Parasitology | | | | | |
| Ectoparasites ade | Exam/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 147 |
| Helminths ade | Exam/PCR | RADS JPN | 15-May-2019 | 0 / 15 | 0 / 176 |



charles river
Mouse SPF/VAF Report
Japan

Charles River Laboratories Yokohama

Location
Hino H23 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> |
| Parasitology | | | | | |
| <i>Enteric Protozoa</i> ade | Exam/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 103 |
| <i>E. cuniculi</i> ad | MFIA/PCR | RADS JPN | 15-May-2019 | 0 / 10 | 0 / 58 |

* 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

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 |
| Virology | | | | | |
| SEND ac | PCR | RADS JPN | 07-May-2019 | 0 / 28 | 0 / 449 |
| PVM ac | PCR | RADS JPN | 07-May-2019 | 0 / 28 | 0 / 449 |
| MHV ac | PCR | RADS JPN | 07-May-2019 | 0 / 28 | 0 / 449 |
| MVM ac | PCR | RADS JPN | 07-May-2019 | 0 / 28 | 0 / 449 |
| MPV ac | PCR | RADS JPN | 07-May-2019 | 0 / 28 | 0 / 449 |
| MNV ac | PCR | RADS JPN | 07-May-2019 | 0 / 28 | 0 / 449 |
| TMEV (GDVII) ac | PCR | RADS JPN | 07-May-2019 | 0 / 28 | 0 / 449 |
| REO ac | PCR | RADS JPN | 07-May-2019 | 0 / 28 | 0 / 449 |
| EDIM ac | PCR | RADS JPN | 07-May-2019 | 0 / 28 | 0 / 449 |
| LCMV a | PCR | RADS JPN | 07-May-2019 | 0 / 16 | 0 / 158 |
| ECTRO a | PCR | RADS JPN | 07-May-2019 | 0 / 16 | 0 / 158 |
| MAV a | PCR | RADS JPN | 07-May-2019 | 0 / 16 | 0 / 158 |
| MCMV a | PCR | RADS JPN | 07-May-2019 | 0 / 16 | 0 / 158 |
| K a | PCR | RADS JPN | 07-May-2019 | 0 / 16 | 0 / 158 |
| POLY a | PCR | RADS JPN | 07-May-2019 | 0 / 16 | 0 / 158 |
| HANT a | PCR | RADS JPN | 07-May-2019 | 0 / 16 | 0 / 158 |
| MTLV a | PCR | RADS JPN | 07-May-2019 | 0 / 16 | 0 / 158 |
| LDV ad | PCR | RADS JPN | 07-May-2019 | 0 / 16 | 0 / 32 |
| Microbiology | | | | | |
| <i>B. bronchiseptica</i> abc | Culture/PCR | RADS JPN | 07-May-2019 | 0 / 64 | 0 / 936 |
| <i>C. rodentium</i> abc | Culture/PCR | RADS JPN | 07-May-2019 | 0 / 64 | 0 / 936 |
| CAR <i>Bacillus</i> a | PCR | RADS JPN | 07-May-2019 | 0 / 16 | 0 / 158 |
| <i>C. kutscheri</i> abc | Culture/PCR | RADS JPN | 07-May-2019 | 0 / 64 | 0 / 936 |
| <i>H. bilis</i> a | PCR | RADS JPN | 07-May-2019 | 0 / 28 | 0 / 290 |
| <i>H. hepaticus</i> a | PCR | RADS JPN | 07-May-2019 | 0 / 28 | 0 / 290 |
| <i>Helicobacter</i> sp. a | PCR | RADS JPN | 07-May-2019 | 0 / 28 | 0 / 290 |
| <i>M. pulmonis</i> ac | PCR | RADS JPN | 07-May-2019 | 0 / 28 | 0 / 541 |
| <i>P. pneumotropica</i> abc | Culture/PCR | RADS JPN | 07-May-2019 | 0 / 64 | 0 / 936 |
| <i>P. aeruginosa</i> abc | Culture/PCR | RADS JPN | 07-May-2019 | 0 / 64 | 0 / 936 |
| <i>Salmonella</i> sp. abc | Culture/PCR | RADS JPN | 07-May-2019 | 0 / 64 | 0 / 936 |
| <i>Staph. aureus</i> abc | Culture/PCR | RADS JPN | 07-May-2019 | 0 / 64 | 0 / 936 |
| <i>S. moniliformis</i> a | PCR | RADS JPN | 07-May-2019 | 0 / 16 | 0 / 266 |
| <i>Strep. pneumoniae</i> abc | Culture/PCR | RADS JPN | 07-May-2019 | 0 / 64 | 0 / 936 |
| Beta <i>Strep.</i> sp. a | Culture/PCR | RADS JPN | 07-May-2019 | 0 / 16 | 0 / 833 |
| CPIL (<i>Tyzzers Disease</i>) ac | Exam/PCR | RADS JPN | 07-May-2019 | 0 / 28 | 0 / 857 |
| <i>Pneumocystis</i> sp. ac | PCR | RADS JPN | 07-May-2019 | 0 / 28 | 0 / 449 |
| <i>C. bovis</i> ac | PCR | RADS JPN | 07-May-2019 | 0 / 28 | 0 / 40 |
| Pathology | | | | | |
| Gross Exam ad | Exam | RADS JPN | 07-May-2019 | 0 / 16 | 0 / 833 |



Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

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

| Summary Item | Method | Primary Lab | Most Recent | | Past 18 Months |
|----------------------------|----------|-------------|-------------|-------------------|-------------------|
| | | | Test Date | Positive / Tested | Positive / Tested |
| Parasitology | | | | | |
| <i>Ectoparasites</i> ade | Exam | RADS JPN | 07-May-2019 | 0 / 16 | 0 / 833 |
| <i>Helminths</i> ade | Exam | RADS JPN | 07-May-2019 | 0 / 16 | 0 / 833 |
| <i>Enteric Protozoa</i> ad | Exam | RADS JPN | 07-May-2019 | 0 / 16 | 0 / 618 |
| <i>E. cuniculi</i> ad | MFIA/PCR | RADS JPN | 07-May-2019 | 0 / 16 | 0 / 158 |

* 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: c = screened every month; 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 |
| Virology | | | | | |
| SEND ac | PCR | RADS JPN | 14-May-2019 | 0 / 9 | 0 / 273 |
| PVM ac | PCR | RADS JPN | 14-May-2019 | 0 / 9 | 0 / 273 |
| MHV ac | PCR | RADS JPN | 14-May-2019 | 0 / 9 | 0 / 273 |
| MVM ac | PCR | RADS JPN | 14-May-2019 | 0 / 9 | 0 / 273 |
| MPV ac | PCR | RADS JPN | 14-May-2019 | 0 / 9 | 0 / 273 |
| MNV ac | PCR | RADS JPN | 14-May-2019 | 0 / 9 | 0 / 273 |
| TMEV (GDVII) ac | PCR | RADS JPN | 14-May-2019 | 0 / 9 | 0 / 273 |
| REO ac | PCR | RADS JPN | 14-May-2019 | 0 / 9 | 0 / 273 |
| EDIM ac | PCR | RADS JPN | 14-May-2019 | 0 / 9 | 0 / 273 |
| LCMV a | PCR | RADS JPN | 08-May-2019 | 0 / 12 | 0 / 78 |
| ECTRO a | PCR | RADS JPN | 08-May-2019 | 0 / 12 | 0 / 78 |
| MAV a | PCR | RADS JPN | 08-May-2019 | 0 / 12 | 0 / 78 |
| MCMV a | PCR | RADS JPN | 08-May-2019 | 0 / 12 | 0 / 78 |
| K a | PCR | RADS JPN | 08-May-2019 | 0 / 12 | 0 / 78 |
| POLY a | PCR | RADS JPN | 08-May-2019 | 0 / 12 | 0 / 78 |
| HANT a | PCR | RADS JPN | 08-May-2019 | 0 / 12 | 0 / 78 |
| MTLV a | PCR | RADS JPN | 08-May-2019 | 0 / 12 | 0 / 78 |
| LDV ad | PCR | RADS JPN | 08-May-2019 | 0 / 12 | 0 / 24 |
| Microbiology | | | | | |
| <i>B. bronchiseptica</i> abc | Culture/PCR | RADS JPN | 14-May-2019 | 0 / 41 | 0 / 925 |
| <i>C. rodentium</i> abc | Culture/PCR | RADS JPN | 14-May-2019 | 0 / 41 | 0 / 925 |
| CAR <i>Bacillus</i> a | PCR | RADS JPN | 08-May-2019 | 0 / 12 | 0 / 244 |
| <i>C. kutscheri</i> abc | Culture/PCR | RADS JPN | 14-May-2019 | 0 / 41 | 0 / 925 |
| <i>H. bilis</i> a | PCR | RADS JPN | 14-May-2019 | 0 / 9 | 0 / 203 |
| <i>H. hepaticus</i> a | PCR | RADS JPN | 14-May-2019 | 0 / 9 | 0 / 203 |
| <i>Helicobacter</i> sp. a | PCR | RADS JPN | 14-May-2019 | 0 / 9 | 0 / 203 |
| <i>M. pulmonis</i> ac | PCR | RADS JPN | 14-May-2019 | 0 / 9 | 0 / 369 |
| <i>P. pneumotropica</i> abc | Culture/PCR | RADS JPN | 14-May-2019 | 0 / 41 | 0 / 925 |
| <i>P. aeruginosa</i> abc | Culture/PCR | RADS JPN | 14-May-2019 | 0 / 41 | 0 / 925 |
| <i>Salmonella</i> sp. abc | Culture/PCR | RADS JPN | 14-May-2019 | 0 / 41 | 0 / 925 |
| <i>Staph. aureus</i> abc | Culture/PCR | RADS JPN | 14-May-2019 | 0 / 41 | 0 / 925 |
| <i>S. moniliformis</i> a | PCR | RADS JPN | 08-May-2019 | 0 / 12 | 0 / 186 |
| <i>Strep. pneumoniae</i> abc | Culture/PCR | RADS JPN | 14-May-2019 | 0 / 41 | 0 / 925 |
| Beta <i>Strep.</i> sp. a | Culture/PCR | RADS JPN | 08-May-2019 | 0 / 12 | 0 / 684 |
| CPIL (<i>Tyzzers Disease</i>) ac | Exam/PCR | RADS JPN | 14-May-2019 | 0 / 9 | 0 / 701 |
| <i>Pneumocystis</i> sp. ac | PCR | RADS JPN | 14-May-2019 | 0 / 9 | 0 / 273 |
| <i>C. bovis</i> ac | PCR | RADS JPN | 14-May-2019 | 0 / 9 | 0 / 29 |
| Pathology | | | | | |
| Gross Exam ad | Exam | RADS JPN | 08-May-2019 | 0 / 12 | 0 / 684 |



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> |
| Parasitology | | | | | |
| <i>Ectoparasites ade</i> | Exam | RADS JPN | 08-May-2019 | 0 / 12 | 0 / 684 |
| <i>Helminths ade</i> | Exam | RADS JPN | 08-May-2019 | 0 / 12 | 0 / 684 |
| <i>Enteric Protozoa ad</i> | Exam | RADS JPN | 08-May-2019 | 0 / 12 | 0 / 464 |
| <i>E. cuniculi ad</i> | MFIA/PCR | RADS JPN | 08-May-2019 | 0 / 12 | 0 / 78 |

* dashes indicate not tested during specified period

HOUSED STRAINS

Other Strains

Congenetic

CB17SCID

COLONY POLICY FOR A POSITIVE RESULT: immediate termination

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

Mouse SPF/VAF Report

Japan

Charles River Laboratories Yokohama

| Location | Health Status |
|------------------|---------------|
| Tsukuba T23 Mice | SPF/VAF |

| Summary Item | Method | Primary Lab | Most Recent | | Past 18 Months |
|------------------------------------|-------------|-------------|-------------|-------------------|-------------------|
| | | | Test Date | Positive / Tested | Positive / Tested |
| Virology | | | | | |
| SEND ac | PCR | RADS JPN | 21-May-2019 | 0 / 11 | 0 / 331 |
| PVM ac | PCR | RADS JPN | 21-May-2019 | 0 / 11 | 0 / 331 |
| MHV ac | PCR | RADS JPN | 21-May-2019 | 0 / 11 | 0 / 331 |
| MVM ac | PCR | RADS JPN | 21-May-2019 | 0 / 11 | 0 / 331 |
| MPV ac | PCR | RADS JPN | 21-May-2019 | 0 / 11 | 0 / 331 |
| MNV ac | PCR | RADS JPN | 21-May-2019 | 0 / 11 | 0 / 331 |
| TMEV (GDVII) ac | PCR | RADS JPN | 21-May-2019 | 0 / 11 | 0 / 331 |
| REO ac | PCR | RADS JPN | 21-May-2019 | 0 / 11 | 0 / 331 |
| EDIM ac | PCR | RADS JPN | 21-May-2019 | 0 / 11 | 0 / 331 |
| LCMV a | PCR | RADS JPN | 13-May-2019 | 0 / 16 | 0 / 94 |
| ECTRO a | PCR | RADS JPN | 13-May-2019 | 0 / 16 | 0 / 94 |
| MAV a | PCR | RADS JPN | 13-May-2019 | 0 / 16 | 0 / 94 |
| MCMV a | PCR | RADS JPN | 13-May-2019 | 0 / 16 | 0 / 94 |
| K a | PCR | RADS JPN | 13-May-2019 | 0 / 16 | 0 / 94 |
| POLY a | PCR | RADS JPN | 13-May-2019 | 0 / 16 | 0 / 94 |
| HANT a | PCR | RADS JPN | 13-May-2019 | 0 / 16 | 0 / 94 |
| MTLV a | PCR | RADS JPN | 13-May-2019 | 0 / 16 | 0 / 94 |
| LDV ad | PCR | RADS JPN | 13-May-2019 | 0 / 16 | 0 / 32 |
| Microbiology | | | | | |
| <i>B. bronchiseptica</i> abc | Culture/PCR | RADS JPN | 21-May-2019 | 0 / 55 | 0 / 943 |
| <i>C. rodentium</i> abc | Culture/PCR | RADS JPN | 21-May-2019 | 0 / 55 | 0 / 943 |
| CAR <i>Bacillus</i> a | PCR | RADS JPN | 13-May-2019 | 0 / 16 | 0 / 94 |
| <i>C. kutscheri</i> abc | Culture/PCR | RADS JPN | 21-May-2019 | 0 / 55 | 0 / 943 |
| <i>H. bilis</i> a | PCR | RADS JPN | 21-May-2019 | 0 / 11 | 0 / 241 |
| <i>H. hepaticus</i> a | PCR | RADS JPN | 21-May-2019 | 0 / 11 | 0 / 241 |
| <i>Helicobacter</i> sp. a | PCR | RADS JPN | 21-May-2019 | 0 / 11 | 0 / 241 |
| <i>M. pulmonis</i> ac | PCR | RADS JPN | 21-May-2019 | 0 / 11 | 0 / 439 |
| <i>P. pneumotropica</i> abc | Culture/PCR | RADS JPN | 21-May-2019 | 0 / 55 | 0 / 943 |
| <i>P. aeruginosa</i> abc | Culture/PCR | RADS JPN | 21-May-2019 | 0 / 55 | 0 / 943 |
| <i>Salmonella</i> sp. abc | Culture/PCR | RADS JPN | 21-May-2019 | 0 / 55 | 0 / 943 |
| <i>Staph. aureus</i> abc | Culture/PCR | RADS JPN | 21-May-2019 | 0 / 55 | 0 / 943 |
| <i>S. moniliformis</i> a | PCR | RADS JPN | 13-May-2019 | 0 / 16 | 0 / 218 |
| <i>Strep. pneumoniae</i> abc | Culture/PCR | RADS JPN | 21-May-2019 | 0 / 43 | 0 / 943 |
| Beta <i>Strep.</i> sp. a | Culture/PCR | RADS JPN | 13-May-2019 | 0 / 16 | 0 / 785 |
| CPIL (<i>Tyzzers Disease</i>) ac | Exam/PCR | RADS JPN | 21-May-2019 | 0 / 11 | 0 / 808 |
| <i>Pneumocystis</i> sp. ac | PCR | RADS JPN | 21-May-2019 | 0 / 11 | 0 / 331 |
| <i>C. bovis</i> ac | PCR | RADS JPN | 21-May-2019 | 0 / 11 | 0 / 39 |
| Pathology | | | | | |
| Gross Exam ad | Exam | RADS JPN | 13-May-2019 | 0 / 16 | 0 / 785 |



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 |
| Parasitology | | | | | |
| <i>Ectoparasites</i> ade | Exam | RADS JPN | 13-May-2019 | 0 / 16 | 0 / 785 |
| <i>Helminths</i> ade | Exam | RADS JPN | 13-May-2019 | 0 / 16 | 0 / 785 |
| <i>Enteric Protozoa</i> ad | Exam | RADS JPN | 13-May-2019 | 0 / 16 | 0 / 553 |
| <i>E. cuniculi</i> ad | MFIA/PCR | RADS JPN | 13-May-2019 | 0 / 16 | 0 / 94 |

* 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: c = screened every month; 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