

Test Results

Order #: **2022057273**

CHU de Quebec
(# 36408 - CHU de Quebec-Site CHUL bloc R
QC)

2705 Boulevard Laurier
Quebec, QC G1V 4G2 Canada

Charles River Research Animal Diagnostic Services
(CR RADS)

261 Ballardvale Street
Receiving Dock, Bldg 22
Wilmington MA 01887 USA

Billing Information

Payment Method

Standing Purchase PO#: 92171
Order Exp. 12/2022

Details

Sample(s) from: Multiple locations

Collection Date
09-Nov-2022

Arrival Date
10-Nov-2022

Approval Date
17-Nov-2022

Notes

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Diagnostic Summary

| Test | Colony | Tested | + | +/- | ? | PDG |
|----------------------|--------|--------|---|-----|---|-----|
| All results NEGATIVE | | | | | | |

+ = Positive, +/- = Equivocal, ? = Indeterminate, PDG = Pending

To assure the health status of your research animal colonies, it is essential that you understand the sources, pathobiology, diagnosis and control of pathogens and other adventitious infectious agents that may cause research interference. We have summarized this important information in infectious agent **Technical Sheets**, which you can view by visiting http://www.criver.com/info/disease_sheets.

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Bacteriology

Results approved by Bois, Kelly on 15 Nov 2022

Upper Respiratory Culture - Swab

| | <u>4</u> | <u>9</u> | <u>14</u> | <u>19</u> |
|-------------------------------------|----------|---------------|---------------|---------------|
| | R-3740.1 | R-3740.2 | R-3740.7 | R-3740.8 |
| | Cb RESPI | Ca+b RESPI | Ca+b RESPI | Ca+b RESPI |
| <i>Bordetella bronchiseptica</i> | - | - | - | - |
| <i>Corynebacterium kutscheri</i> | - | - | - | - |
| <i>Klebsiella oxytoca</i> | - | - | - | - |
| <i>Klebsiella pneumoniae</i> | - | - | - | - |
| <i>Pasteurella multocida</i> | - | - | - | - |
| <i>Rodentibacter heylii</i> | - | - | - | - |
| <i>Rodentibacter pneumotropicus</i> | - | - | - | - |
| <i>Rodentibacter sp.</i> | - | - | - | - |
| <i>Pseudomonas sp.</i> | - | - | - | - |
| <i>Pseudomonas aeruginosa</i> | - | - | - | - |
| <i>Staphylococcus aureus</i> | - | - | - | - |
| <i>Streptococcus pneumoniae</i> | - | - | - | - |
| <i>Beta Strep. sp. - Grp B</i> | - | - | - | - |
| <i>Beta Strep. sp. - Grp G</i> | - | - | - | - |
| <i>Beta Strep. sp.</i> | - | - | - | - |
| <i>Other</i> | - | - | - | - |

Gastrointestinal Tract Culture - Swab

| | <u>3</u> | <u>8</u> | <u>13</u> | <u>18</u> |
|-------------------------------|--------------|----------------|----------------|----------------|
| | R-3740.1 | R-3740.2 | R-3740.7 | R-3740.8 |
| | Cb GASTRO | Ca+b GASTRO | Ca+b GASTRO | Ca+b GASTRO |
| <i>Citrobacter rodentium</i> | - | - | - | - |
| <i>Citrobacter sp.</i> | - | - | - | - |
| <i>Klebsiella oxytoca</i> | - | - | - | - |
| <i>Klebsiella pneumoniae</i> | - | - | - | - |
| <i>Pseudomonas sp.</i> | - | - | - | - |
| <i>Pseudomonas aeruginosa</i> | - | - | - | - |
| <i>Salmonella sp.</i> | - | - | - | - |
| <i>Other</i> | - | - | - | - |

Remarks

- = Negative/No Growth; + = Positive/Growth Present

NE = Not Evaluated: samples evaluated on scheduled business days; NI = Not Interpreted: culture could not be interpreted due to overgrowth of Proteus; NT = Not Tested.

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Molecular Diagnostics: Infectious

Disease PCR

Results approved by Gomez, Jessica on 17 Nov 2022

QC MuCPV, Helicobacter, Mite and Pinworm PRIA

| | <u>2</u> R-3740.1 Cb PCR | <u>7</u> R-3740.2 Ca+b PCR | <u>12</u> R-3740.7 Ca+b PCR | <u>17</u> R-3740.8 Ca+b PCR |
|---------------------------|--------------------------------|----------------------------------|-----------------------------------|-----------------------------------|
| MuCPV PCR (MKPV) | - | - | - | - |
| Helicobacter genus | - | - | - | - |
| Mite PCR | - | - | - | - |
| Pinworm PCR | - | - | - | - |

Remarks

- = Negative, +/- = Equivocal; + = Positive; I = Inconclusive.

An equivocal result indicates inconsistent amplification detected by real-time PCR.

Inconclusive indicates failure of control result.

Nucleic Acid Recovery Control (NRC)/Inhibition Control: A low copy exogenous nucleic acid was added to sample lysis prior to nucleic acid isolation to serve as both a control to monitor for nucleic acid recovery and PCR inhibition. An RNA NRC also monitors reverse transcription for RNA virus assays. Nucleic acid recovery and PCR inhibition is monitored by a PCR assay specific for the NRC template. Unless otherwise stated, the control results passed for this order.

Any samples reported as equivocal or positive result in this report has been confirmed by re-extracting nucleic acid and repeating real-time PCR amplification to confirm the initial testing result.

Recommended sample types are essential to accurate results. Missing or inappropriate sample types and/or expired buffer/additives can affect detection. If this report contains an unexpected result or are unsure of recommended sample types, please contact Lab Services@crl.com before taking any action. Additional or alternative testing may be essential to reaching an accurate diagnosis. We will be glad to test newly submitted samples for the positive agents up to the number of unexpected results in this order.

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Serology

Results approved by Wunderlich, Janet on 11 Nov 2022

| | <u>1</u> | <u>5</u> | <u>6</u> | <u>10</u> | <u>11</u> | <u>15</u> | <u>16</u> |
|--------------------------|----------|----------|----------|-----------|-----------|-----------|-----------|
| | R-3740.1 | R-3740.2 | R-3740.2 | R-3740.7 | R-3740.7 | R-3740.8 | R-3740.8 |
| | Cb SÉRO | Ca SÉRO | Cb SÉRO | Ca SÉRO | Cb SÉRO | Ca SÉRO | Cb SÉRO |
| MFIA SEND | - | - | - | - | - | - | - |
| MFIA PVM | - | - | - | - | - | - | - |
| MFIA MHV | - | - | - | - | - | - | - |
| MFIA MVM | - | - | - | - | - | - | - |
| MFIA MPV-1 | - | - | - | - | - | - | - |
| MFIA MPV-2 | - | - | - | - | - | - | - |
| MFIA NS-1 | - | - | - | - | - | - | - |
| MFIA MNV | - | - | - | - | - | - | - |
| MFIA GDVII | - | - | - | - | - | - | - |
| MFIA REO | - | - | - | - | - | - | - |
| MFIA EDIM (ROTA-A) | - | - | - | - | - | - | - |
| MFIA LCMV | - | - | - | - | - | - | - |
| MFIA ECTRO | - | - | - | - | - | - | - |
| MFIA MAV 1 & 2 | - | - | - | - | - | - | - |
| MFIA MCMV | - | - | - | - | - | - | - |
| MFIA POLY | - | - | - | - | - | - | - |
| MFIA MPUL | - | - | - | - | - | - | - |
| MFIA ECUN | - | - | - | - | - | - | - |
| MFIA CARB (F. rodentium) | - | - | - | - | - | - | - |
| MFIA CPIL | - | - | - | - | - | - | - |
| MFIA MTLV | - | - | - | - | - | - | - |
| MFIA HTNV (HANT) | - | - | - | - | - | - | - |
| MFIA LDV | - | - | - | - | - | - | - |
| MFIA Anti-Ig | P | P | P | P | P | P | P |

Serology Profile: QC MFIA Mouse Assessment Plus Profile

Remarks

MFIA/IFA/ELISA/WIB Results: - = Negative; +/- = Equivocal; + = Moderate to strong positive; TC = Non-specific reaction with tissue control; I = Indeterminate or Inconclusive; IN = result interpreted as non-specific because not confirmed by alternative serologic assay or diagnostic methodology for other serologic assays, PDG = pending, QNS = Quantity not sufficient. The anti-immunoglobulin (Anti-Ig) MFIA verifies that a serum specimen contains a sufficient concentration of immunoglobulin to be suitable for serologic testing. A result of P (for Pass) corresponds to a median fluorescence index (MFI) at or above the Anti-Ig assay cutoff, typically ≥ 7000 . An Anti-Ig assay result of F (for Fail), assigned if the MFI is below the cutoff, might occur because the sample was received too dilute, was collected from an immunocompromised host or was from a species other than the one for which the MFIA is intended. If a sample fails the Anti-Ig MFIA, then negative and borderline results in MFIA for microbial antibodies are considered I (for inconclusive).

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Sample Information

| Number | Code | Species | Colony |
|--------|----------------------|---------|--|
| 1 | R-3740.1 Cb SÉRO | Mouse | R-3740.1 CD-1 Mice (Rack A, B, C, D, E, F) |
| 2 | R-3740.1 Cb PCR | Mouse | R-3740.1 CD-1 Mice (Rack A, B, C, D, E, F) |
| 3 | R-3740.1 Cb GASTRO | Mouse | R-3740.1 CD-1 Mice (Rack A, B, C, D, E, F) |
| 4 | R-3740.1 Cb RESPI | Mouse | R-3740.1 CD-1 Mice (Rack A, B, C, D, E, F) |
| 5 | R-3740.2 Ca SÉRO | Mouse | R-3740.2 CD-1 Mice (Rack A, B, C, D, E, F) |
| 6 | R-3740.2 Cb SÉRO | Mouse | R-3740.2 CD-1 Mice (Rack A, B, C, D, E, F) |
| 7 | R-3740.2 Ca+b PCR | Mouse | R-3740.2 CD-1 Mice (Rack A, B, C, D, E, F) |
| 8 | R-3740.2 Ca+b GASTRO | Mouse | R-3740.2 CD-1 Mice (Rack A, B, C, D, E, F) |
| 9 | R-3740.2 Ca+b RESPI | Mouse | R-3740.2 CD-1 Mice (Rack A, B, C, D, E, F) |
| 10 | R-3740.7 Ca SÉRO | Mouse | R-3740.7 CD-1 Mice (Rack A, B, C, D, E, F) |
| 11 | R-3740.7 Cb SÉRO | Mouse | R-3740.7 CD-1 Mice (Rack A, B, C, D, E, F) |
| 12 | R-3740.7 Ca+b PCR | Mouse | R-3740.7 CD-1 Mice (Rack A, B, C, D, E, F) |
| 13 | R-3740.7 Ca+b GASTRO | Mouse | R-3740.7 CD-1 Mice (Rack A, B, C, D, E, F) |
| 14 | R-3740.7 Ca+b RESPI | Mouse | R-3740.7 CD-1 Mice (Rack A, B, C, D, E, F) |
| 15 | R-3740.8 Ca SÉRO | Mouse | R-3740.8 CD-1 Mice (Rack A, B, C, D, E, F) |
| 16 | R-3740.8 Cb SÉRO | Mouse | R-3740.8 CD-1 Mice (Rack A, B, C, D, E, F) |
| 17 | R-3740.8 Ca+b PCR | Mouse | R-3740.8 CD-1 Mice (Rack A, B, C, D, E, F) |
| 18 | R-3740.8 Ca+b GASTRO | Mouse | R-3740.8 CD-1 Mice (Rack A, B, C, D, E, F) |
| 19 | R-3740.8 Ca+b RESPI | Mouse | R-3740.8 CD-1 Mice (Rack A, B, C, D, E, F) |