

Test Results

Order #: **2021060546**

CHU de Quebec
(# 37909 - CHU de Quebec- Site CHUL HEJ
QC)

1401 R-143
Rue 18e
Quebec, QC G1J 1Z4 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#: 92426
Order Exp. 12/2022

Details

Sample(s) from: Multiple locations

Collection Date
14-Dec-2021

Arrival Date
15-Dec-2021

Approval Date
11-Jan-2022

Notes

4e trimestre HEJ

Diagnostic Summary

Test	Colony	Tested	+	+/-	?	PDG
MuCPV PCR (MKPV) QC MuCPV, Helicobacter, Mite and Pinworm PRIA	R-023b Sentinel Mice	5	3	0	0	0

+ = 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 White, Danielle on 17 Dec 2021

Gastrointestinal Tract Culture - Swab

	<u>4</u> R-21a	<u>9</u> R-23b	<u>14</u> R-23b	<u>19</u> R-23b	<u>23</u> R-23b	<u>28</u> R-23b
	C1+2	GAST A1+2	GASTRB1+2	GASTRC1+2	GASTR D2	GASTRO E1+2
<i>C. rodentium</i>	-	-	-	-	-	-
<i>Citrobacter sp.</i>	-	-	-	-	-	-
<i>K. oxytoca</i>	-	-	-	-	-	-
<i>K. pneumoniae</i>	-	-	-	-	-	-
<i>Pseudomonas sp.</i>	-	-	-	-	-	-
<i>Ps. aeruginosa</i>	-	-	-	-	-	-
<i>Salmonella sp.</i>	-	-	-	-	-	-
Other	-	-	-	-	-	-

Upper Respiratory Culture - Swab

	<u>5</u> R-21a	<u>10</u> R-23b	<u>15</u> R-23b	<u>20</u> R-23b	<u>24</u> R-23b	<u>29</u> R-23b
	C1+2 RESPI	A1+2 RESPI	B1+2 RESPI	C1+2 RESPI	D2 RESPI	E1+2 RESPI
<i>B. bronchiseptica</i>	-	-	-	-	-	-
<i>C. kutscheri</i>	-	-	-	-	-	-
<i>K. oxytoca</i>	-	-	-	-	-	-
<i>K. pneumoniae</i>	-	-	-	-	-	-
<i>P. multocida</i>	-	-	-	-	-	-
<i>R. heylII</i>	-	-	-	-	-	-
<i>R. pneumotropicus</i>	-	-	-	-	-	-
<i>Rodentibacter sp.</i>	-	-	-	-	-	-
<i>Pseudomonas sp.</i>	-	-	-	-	-	-
<i>Ps. aeruginosa</i>	-	-	-	-	-	-
<i>Staph. aureus</i>	-	-	-	-	-	-
<i>Strep. pneumoniae</i>	-	-	-	-	-	-
<i>Beta Strep. sp. - Grp B</i>	-	-	-	-	-	-
<i>Beta Strep. sp. - Grp G</i>	-	-	-	-	-	-
<i>Beta Strep. sp.</i>	-	-	-	-	-	-
Other	-	-	-	-	-	-

Remarks

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

NI = Not Interpreted: culture could not be interpreted due to overgrowth of Proteus; NT = Not Tested.

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Results approved by Peck, DiAnne on 11 Jan 2022

Molecular Diagnostics: Infectious Disease PCR

QC MuCPV, Helicobacter, Mite and Pinworm PRIA

	<u>3</u> R-21a C1+2 PCR	<u>8</u> R-23b A1+2 PCR	<u>13</u> R-23b B1+2 PCR	<u>18</u> R-23b C1+2 PCR	<u>22</u> R-23b D2 PCR	<u>27</u> R-23b E1+2 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 can effect 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 Tejada, Rosanilis on 17 Dec 2021

	<u>1</u> R-21a C1 SERO	<u>2</u> R-21a C2 SERO	<u>6</u> R-23b A1 SERO	<u>7</u> R-23b A2 SERO	<u>11</u> R-23b B1 SERO	<u>12</u> R-23b B2 SERO	<u>16</u> R-23b C1 SERO	<u>17</u> R-23b C2 SERO	<u>21</u> R-23b D2 SERO	<u>25</u> R-23b E1 SERO
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	P	P	P

	<u>26</u> R-23b E2 SERO
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	-

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	26 R-23b E2 SERO
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

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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Number	Code	Species	Colony
1	R-21a C1 SERO	Mouse	R-021a Sentinel Mice
2	R-21a C2 SERO	Mouse	R-021a Sentinel Mice
3	R-21a C1+2 PCR	Mouse	R-021a Sentinel Mice
4	R-21a C1+2 GASTRO	Mouse	R-021a Sentinel Mice
5	R-21a C1+2 RESPI	Mouse	R-021a Sentinel Mice
6	R-23b A1 SERO	Mouse	R-023b Sentinel Mice
7	R-23b A2 SERO	Mouse	R-023b Sentinel Mice
8	R-23b A1+2 PCR	Mouse	R-023b Sentinel Mice
9	R-23b A1+2 GASTRO	Mouse	R-023b Sentinel Mice
10	R-23b A1+2 RESPI	Mouse	R-023b Sentinel Mice
11	R-23b B1 SERO	Mouse	R-023b Sentinel Mice
12	R-23b B2 SERO	Mouse	R-023b Sentinel Mice
13	R-23b B1+2 PCR	Mouse	R-023b Sentinel Mice
14	R-23b B1+2 GASTRO	Mouse	R-023b Sentinel Mice
15	R-23b B1+2 RESPI	Mouse	R-023b Sentinel Mice
16	R-23b C1 SERO	Mouse	R-023b Sentinel Mice
17	R-23b C2 SERO	Mouse	R-023b Sentinel Mice
18	R-23b C1+2 PCR	Mouse	R-023b Sentinel Mice
19	R-23b C1+2 GASTRO	Mouse	R-023b Sentinel Mice
20	R-23b C1+2 RESPI	Mouse	R-023b Sentinel Mice
21	R-23b D2 SERO	Mouse	R-023b Sentinel Mice
22	R-23b D2 PCR	Mouse	R-023b Sentinel Mice
23	R-23b D2 GASTRO	Mouse	R-023b Sentinel Mice
24	R-23b D2 RESPI	Mouse	R-023b Sentinel Mice
25	R-23b E1 SERO	Mouse	R-023b Sentinel Mice
26	R-23b E2 SERO	Mouse	R-023b Sentinel Mice
27	R-23b E1+2 PCR	Mouse	R-023b Sentinel Mice
28	R-23b E1+2 GASTRO	Mouse	R-023b Sentinel Mice
29	R-23b E1+2 RESPI	Mouse	R-023b Sentinel Mice