

Test Results

Order #: **2024016433**

LTM Customer ID: 38307
The University of Hong Kong
U Hong Kong Ctr for Comparative Med
Research UHK

Charles River Research Animal Diagnostic Services
(CR RADS)
261 Ballardvale Street
Receiving Dock, Bldg 22
Wilmington MA 01887 USA

10A Sassoon Road
Pokfulam, HK 0 Hong Kong

Billing Information

Payment Method

Purchase Order PO#: Covering Invoice for
#2024016433

University of Hong Kong
10A Sassoon Road
Pokfulam, HK 0 Hong Kong

Details

Sample(s) from: NULL

Collection Date
07-Mar-2024

Arrival Date
18-Mar-2024

Approval Date
20-Mar-2024

Notes

Lab. No. 2403M301-2403M302, Location: Conventional Experimental Holding Area, Dexter H.C. Man Building (CA-DMB)

Diagnostic Summary

Test	Colony	Tested	+	+/-	?	PDG
IFA MHV	n/d	2	2	0	0	0
MFIA MHV	n/d	2	2	0	0	0
UHK MFIA Mouse Full Profile						

+ = 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.

Test Results

Order #: **2024016433**

LTM Customer ID: 38307
The University of Hong Kong
U Hong Kong Ctr for Comparative Med
Research UHK

Charles River Research Animal Diagnostic Services
(CR RADS)
261 Ballardvale Street
Receiving Dock, Bldg 22
Wilmington MA 01887 USA

10A Sassoon Road
Pokfulam, HK 0 Hong Kong

Notes

Lab. No. 2403M301-2403M302, Location: Conventional Experimental Holding Area, Dexter H.C. Man Building (CA-DMB)

Serology

Results approved by Wunderlich, Janet on 20 Mar 2024

1 **2**
2403M301, 2403M302,
Rm.E216 Rm.E216

	1	2
MFIA SEND	-	-
MFIA PVM	-	-
MFIA MHV	+	+
MFIA MVM	-	-
MFIA MPV-1	-	-
MFIA MPV-2	-	-
MFIA MPV-5	-	-
MFIA NS-1	-	-
MFIA MNV	-	-
MFIA GDVII	-	-
MFIA REO	-	-
MFIA EDIM (ROTA-A)	-	-
MFIA LCMV	-	-
MFIA ECTRO	-	-
MFIA MAV 1 & 2	-	-
MFIA MCMV	-	-
MFIA K Virus	-	-
MFIA MTLV	-	-
MFIA POLY	-	-
MFIA HTNV (HANT)	-	-
MFIA MPUL	-	-
MFIA CARB (F. rodentium)	-	-
MFIA LDV	-	-
MFIA CPIL	-	-
MFIA ECUN	-	-
MFIA PHV	-	-
MFIA Anti-Ig	P	P
IFA MHV	+	+

Serology Profile: UHK MFIA Mouse Full Profile

Remarks

Test Results

Order #: **2024016433**

LTM Customer ID: 38307
The University of Hong Kong
U Hong Kong Ctr for Comparative Med
Research UHK

Charles River Research Animal Diagnostic Services
(CR RADS)
261 Ballardvale Street
Receiving Dock, Bldg 22
Wilmington MA 01887 USA

10A Sassoon Road
Pokfulam, HK 0 Hong Kong

Notes

Lab. No. 2403M301-2403M302, Location: Conventional Experimental Holding Area, Dexter H.C. Man Building (CA-DMB)

MFIA/IFA/ELISA/WIB Results:

- = Negative
- +/- = Equivocal
- + = Moderate to strong positive
- TC = Non-specific reaction with tissue control
- I = Indeterminate or Inconclusive
- IN = Interpreted as non-specific (MFIA result not confirmed by alternate serologic assay or diagnostic methodology)
- PDG = Pending
- QNS = Quantity not sufficient

The anti-immunoglobulin (Anti-Ig) MFIA control 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), is assigned if the MFI is below the cutoff which 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 control, then negative and borderline results in MFIA assays for microbial antibodies are considered Inconclusive because the testing is not valid.

Please contact Lab Services (labservices@crl.com) with questions about these interpretations.

Test Results

Order #: **2024016433**

LTM Customer ID: 38307
The University of Hong Kong
U Hong Kong Ctr for Comparative Med
Research UHK

Charles River Research Animal Diagnostic Services
(CR RADS)
261 Ballardvale Street
Receiving Dock, Bldg 22
Wilmington MA 01887 USA

10A Sassoon Road
Pokfulam, HK 0 Hong Kong

Notes

Lab. No. 2403M301-2403M302, Location: Conventional Experimental Holding Area, Dexter H.C. Man Building (CA-DMB)

Sample Information

Number	Code	Species	Colony	Strain	Age	Sex
1	2403M301,Rm. E216	Mouse	n/d	Sentinel/ ICR (CD-1)	Adult	Female
2	2403M302,Rm. E216	Mouse	n/d	Sentinel/ ICR (CD-1)	Adult	Female

Test Results

Order #: **2024016432**

LTM Customer ID: 38307
The University of Hong Kong
U Hong Kong Ctr for Comparative Med
Research UHK

Charles River Research Animal Diagnostic Services
(CR RADS)
261 Ballardvale Street
Receiving Dock, Bldg 22
Wilmington MA 01887 USA

10A Sassoon Road
Pokfulam, HK 0 Hong Kong

Billing Information

Payment Method

Purchase Order PO#: Covering Invoice for
#2024016432

University of Hong Kong
10A Sassoon Road
Pokfulam, HK 0 Hong Kong

Details

Sample(s) from: NULL

Collection Date
07-Mar-2024

Arrival Date
18-Mar-2024

Approval Date
22-Mar-2024

Notes

Lab. No. 2403H301-2403H303, Location: Conventional Experimental Holding Area, Dexter H.C. Man Building (CA-DMB)

Protocol

UHK HA w/ IFA MPUL +IFA Cpil (SR-SR-95)

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.

Test Results

Order #: **2024016432**

LTM Customer ID: 38307
The University of Hong Kong
U Hong Kong Ctr for Comparative Med
Research UHK

Charles River Research Animal Diagnostic Services
(CR RADS)
261 Ballardvale Street
Receiving Dock, Bldg 22
Wilmington MA 01887 USA

10A Sassoon Road
Pokfulam, HK 0 Hong Kong

Notes

Lab. No. 2403H301-2403H303, Location: Conventional Experimental Holding Area, Dexter H.C. Man Building (CA-DMB)

Serology

Results approved by Wunderlich, Janet on 22 Mar 2024

	<u>1</u>	<u>2</u>	<u>3</u>
	2403H301, Rm.E317	2403H302, Rm.E317	2403H303, Rm.E317
MFIA SEND	-	-	-
MFIA PVM	-	-	-
MFIA REO	-	-	-
MFIA LCMV	-	-	-
MFIA ECUN	-	-	-
MFIA PIV-5	-	-	-
MFIA Anti-Ig	P	P	P
IFA CPIL	-	-	-

Serology Profile: MFIA Syrian Hamster Assessment Profile

Remarks

MFIA/ELISA/IFA Results: - = Negative; +/- = Equivocal; + = Moderate to strong positive; TC = Non-specific reaction with tissue control.

All Assays: IN = positive result interpreted as non-specific because not confirmed by other serologic assays or by testing of additional samples from the same source; 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 or higher). 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).

Test Results

Order #: **2024016432**

LTM Customer ID: 38307
The University of Hong Kong
U Hong Kong Ctr for Comparative Med
Research UHK

Charles River Research Animal Diagnostic Services
(CR RADS)
261 Ballardvale Street
Receiving Dock, Bldg 22
Wilmington MA 01887 USA

10A Sassoon Road
Pokfulam, HK 0 Hong Kong

Notes

Lab. No. 2403H301-2403H303, Location: Conventional Experimental Holding Area, Dexter H.C. Man Building (CA-DMB)

Sample Information

Number	Code	Species	Colony	Dilution	Strain	Age	Sex
1	2403H301,Rm. E317	Hamster	n/d		Sentinel/ AURA (Golden Syrian)	Adult	
2	2403H302,Rm. E317	Hamster	n/d		Sentinel/ AURA (Golden Syrian)	Adult	
3	2403H303,Rm. E317	Hamster	n/d		Sentinel/ AURA (Golden Syrian)	Adult	

Test Results

Order #: **2024016611**

LTM Customer ID: 38307
The University of Hong Kong
U Hong Kong Ctr for Comparative Med
Research UHK

Charles River Research Animal Diagnostic Services
(CR RADS)
261 Ballardvale Street
Receiving Dock, Bldg 22
Wilmington MA 01887 USA

10A Sassoon Road
Pokfulam, HK 0 Hong Kong

Billing Information

Payment Method

Purchase Order PO#: Covering Invoice for
#2024016611

University of Hong Kong
10A Sassoon Road
Pokfulam, HK 0 Hong Kong

Details

Sample(s) from: NULL

Collection Date
21-Feb-2024

Arrival Date
20-Mar-2024

Approval Date
27-Mar-2024

Notes

Lab No.2403F1-2403F25, Location: Conventional Experimental Holding Area, Dexter H.C. Man Building (CA-DMB)

Diagnostic Summary

Test	Colony	Tested	+	+/-	?	PDG
Aeromonas hydrophila PCR UHK Zebrafish Surveillance Plus PCR Panel	n/d	25	12	0	0	0
Mycobacterium abscessus PCR UHK Zebrafish Surveillance Plus PCR Panel	n/d	25	2	0	0	0
Mycobacterium chelonae PCR UHK Zebrafish Surveillance Plus PCR Panel	n/d	25	3	0	0	0
Mycobacterium gordonae UHK Zebrafish Surveillance Plus PCR Panel	n/d	25	2	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.

Test Results

Order #: **2024016611**

LTM Customer ID: 38307
 The University of Hong Kong
 U Hong Kong Ctr for Comparative Med
 Research UHK

Charles River Research Animal Diagnostic Services
 (CR RADS)
 261 Ballardvale Street
 Receiving Dock, Bldg 22
 Wilmington MA 01887 USA

10A Sassoon Road
 Pokfulam, HK 0 Hong Kong

Notes

Lab No.2403F1-2403F25, Location: Conventional Experimental Holding Area, Dexter H.C. Man Building (CA-DMB)

Molecular Diagnostics: Infectious

Disease PCR

Results approved by Magan, Kyria on 27 Mar 2024

UHK Zebrafish Surveillance Plus PCR Panel

	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>
	2403F1, E210A_SPF _R1	2403F2, E210A_SPF _R2	2403F3, E210A_SPF _R2	2403F4, E210A_SPF _R3	2403F5, E210_MDA _R1	2403F6, E210_MDA _R3	2403F7, E210A_SPF _R3	2403F8, E210A_SPF _R4	2403F9, E210_MDA _R1	2403F10, E210_MDA _R2
<i>Aeromonas hydrophila</i> PCR	-	+	+	-	-	-	+	-	-	-
<i>Edwardsiella ictaluri</i> PCR	-	-	-	-	-	-	-	-	-	-
<i>Flavobacterium columnare</i> PCR	-	-	-	-	-	-	-	-	-	-
<i>Ichthyophthirius multifiliis</i> PCR	-	-	-	-	-	-	-	-	-	-
<i>Infectious pancreatic necrosis virus (IPNV)</i> PCR	-	-	-	-	-	-	-	-	-	-
<i>Infectious spleen and kidney necrosis virus -ISKNV</i>	-	-	-	-	-	-	-	-	-	-
<i>Mycobacterium abscessus</i> PCR	-	-	-	+	-	-	-	-	-	-
<i>Mycobacterium chelonae</i> PCR	-	-	-	-	-	+	-	+	-	-
<i>Mycobacterium fortuitum</i> PCR	-	-	-	-	-	-	-	-	-	-
<i>Mycobacterium gordonae</i>	-	-	-	-	-	-	-	-	+	+
<i>Mycobacterium haemophilum</i> PCR	-	-	-	-	-	-	-	-	-	-
<i>Mycobacterium marinum</i> PCR	-	-	-	-	-	-	-	-	-	-
<i>Mycobacterium peregrinum</i> PCR	-	-	-	-	-	-	-	-	-	-
<i>Mycobacterium saopaulense</i>	-	-	-	-	-	-	-	-	-	-
<i>Myxidium streisingeri</i>	-	-	-	-	-	-	-	-	-	-
<i>Piscinoodinium pillulare</i> PCR	-	-	-	-	-	-	-	-	-	-
<i>Pleistophora hypessobryconis</i> PCR	-	-	-	-	-	-	-	-	-	-
<i>Pseudocapillaria tomentosa</i> PCR	-	-	-	-	-	-	-	-	-	-
<i>Pseudoloma neurophilia</i> PCR	-	-	-	-	-	-	-	-	-	-
<i>Saprolegnia brachydanis</i> PCR	-	-	-	-	-	-	-	-	-	-
<i>Zebrafish picornavirus</i>	-	-	-	-	-	-	-	-	-	-

Test Results

Order #: **2024016611**

LTM Customer ID: 38307
The University of Hong Kong
U Hong Kong Ctr for Comparative Med
Research UHK

Charles River Research Animal Diagnostic Services
(CR RADS)
261 Ballardvale Street
Receiving Dock, Bldg 22
Wilmington MA 01887 USA

10A Sassoon Road
Pokfulam, HK 0 Hong Kong

Notes

Lab No.2403F1-2403F25, Location: Conventional Experimental Holding Area, Dexter H.C. Man Building (CA-DMB)

Molecular Diagnostics: Infectious

Disease PCR

Results approved by Magan, Kyria on 27 Mar 2024

UHK Zebrafish Surveillance Plus PCR Panel (continued)

	<u>11</u>	<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>	<u>18</u>	<u>19</u>	<u>20</u>
	2403F11, E210_MDA _R3	2403F12, E210_MDA _R4	2403F13, E212_Q1	2403F14, E212_Q2	2403F15, E212_Q2	2403F16, E212_Q1	2403F17, E212_Q1	2403F18, E212_Q1	2403F19, E212_Q1	2403F20, E212_Q1
<i>Aeromonas hydrophila</i> PCR	+	-	-	-	+	+	+	+	-	+
<i>Edwardsiella ictaluri</i> PCR	-	-	-	-	-	-	-	-	-	-
<i>Flavobacterium columnare</i> PCR	-	-	-	-	-	-	-	-	-	-
<i>Ichthyophthirius multifiliis</i> PCR	-	-	-	-	-	-	-	-	-	-
Infectious pancreatic necrosis virus (IPNV) PCR	-	-	-	-	-	-	-	-	-	-
Infectious spleen and kidney necrosis virus -ISKNV	-	-	-	-	-	-	-	-	-	-
<i>Mycobacterium abscessus</i> PCR	-	-	-	-	-	-	-	-	-	-
<i>Mycobacterium chelonae</i> PCR	+	-	-	-	-	-	-	-	-	-
<i>Mycobacterium fortuitum</i> PCR	-	-	-	-	-	-	-	-	-	-
<i>Mycobacterium goodnae</i>	-	-	-	-	-	-	-	-	-	-
<i>Mycobacterium haemophilum</i> PCR	-	-	-	-	-	-	-	-	-	-
<i>Mycobacterium marinum</i> PCR	-	-	-	-	-	-	-	-	-	-
<i>Mycobacterium peregrinum</i> PCR	-	-	-	-	-	-	-	-	-	-
<i>Mycobacterium saopaulense</i>	-	-	-	-	-	-	-	-	-	-
<i>Myxidium streisingeri</i>	-	-	-	-	-	-	-	-	-	-
<i>Piscinoodinium pillulare</i> PCR	-	-	-	-	-	-	-	-	-	-
<i>Pleistophora hyphessobryconis</i> PCR	-	-	-	-	-	-	-	-	-	-
<i>Pseudocapillaria tomentosa</i> PCR	-	-	-	-	-	-	-	-	-	-
<i>Pseudoloma neurophilia</i> PCR	-	-	-	-	-	-	-	-	-	-
<i>Saprolegnia brachydanis</i> PCR	-	-	-	-	-	-	-	-	-	-
Zebrafish picornavirus	-	-	-	-	-	-	-	-	-	-

Test Results

Order #: **2024016611**

LTM Customer ID: 38307
The University of Hong Kong
U Hong Kong Ctr for Comparative Med
Research UHK

Charles River Research Animal Diagnostic Services
(CR RADS)
261 Ballardvale Street
Receiving Dock, Bldg 22
Wilmington MA 01887 USA

10A Sassoon Road
Pokfulam, HK 0 Hong Kong

Notes

Lab No.2403F1-2403F25, Location: Conventional Experimental Holding Area, Dexter H.C. Man Building (CA-DMB)

Molecular Diagnostics: Infectious

Disease PCR

Results approved by Magan, Kyria on 27 Mar 2024

UHK Zebrafish Surveillance Plus PCR Panel (continued)

	<u>21</u>	<u>22</u>	<u>23</u>	<u>24</u>	<u>25</u>
	2403F21, E212_Q1	2403F22, E212_Q1	2403F23, E212_Q1	2403F24, E212_Q1	2403F25, E210A_SPF _R1
<i>Aeromonas hydrophila</i> PCR	-	+	+	+	-
<i>Edwardsiella ictaluri</i> PCR	-	-	-	-	-
<i>Flavobacterium columnare</i> PCR	-	-	-	-	-
<i>Ichthyophthirius multifiliis</i> PCR	-	-	-	-	-
<i>Infectious pancreatic necrosis virus (IPNV)</i> PCR	-	-	-	-	-
<i>Infectious spleen and kidney necrosis virus -ISKNV</i>	-	-	-	-	-
<i>Mycobacterium abscessus</i> PCR	-	+	-	-	-
<i>Mycobacterium chelonae</i> PCR	-	-	-	-	-
<i>Mycobacterium fortuitum</i> PCR	-	-	-	-	-
<i>Mycobacterium gordonae</i>	-	-	-	-	-
<i>Mycobacterium haemophilum</i> PCR	-	-	-	-	-
<i>Mycobacterium marinum</i> PCR	-	-	-	-	-
<i>Mycobacterium peregrinum</i> PCR	-	-	-	-	-
<i>Mycobacterium saopaulense</i>	-	-	-	-	-
<i>Myxidium streisingeri</i>	-	-	-	-	-
<i>Piscinoodinium pillulare</i> PCR	-	-	-	-	-
<i>Pleistophora hyphessobryconis</i> PCR	-	-	-	-	-
<i>Pseudocapillaria tomentosa</i> PCR	-	-	-	-	-
<i>Pseudoloma neurophilia</i> PCR	-	-	-	-	-
<i>Saprolegnia brachydanicus</i> PCR	-	-	-	-	-
<i>Zebrafish picornavirus</i>	-	-	-	-	-

Remarks

Test Results

Order #: **2024016611**

LTM Customer ID: 38307
The University of Hong Kong
U Hong Kong Ctr for Comparative Med
Research UHK

Charles River Research Animal Diagnostic Services
(CR RADS)
261 Ballardvale Street
Receiving Dock, Bldg 22
Wilmington MA 01887 USA

10A Sassoon Road
Pokfulam, HK 0 Hong Kong

Notes

Lab No.2403F1-2403F25, Location: Conventional Experimental Holding Area, Dexter H.C. Man Building (CA-DMB)

- = 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. If any results are unexpected positives, it is suggested to submit a new representative sample for gratis retesting of the specific agent(s) in question. Please reference this order on the new submission so we can adjust the billing to gratis. The gratis testing is only up to the number of unexpected results in this order.

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.

Test Results

Order #: **2024016611**

LTM Customer ID: 38307
The University of Hong Kong
U Hong Kong Ctr for Comparative Med
Research UHK

Charles River Research Animal Diagnostic Services
(CR RADS)
261 Ballardvale Street
Receiving Dock, Bldg 22
Wilmington MA 01887 USA

10A Sassoon Road
Pokfulam, HK 0 Hong Kong

Notes

Lab No.2403F1-2403F25, Location: Conventional Experimental Holding Area, Dexter H.C. Man Building (CA-DMB)

Sample Information

Number	Code	Species	Colony	Strain	Age	Sex
1	2403F1, E210A_SPF_R 1	Zebrafish	n/d	Sump swab		
2	2403F2, E210A_SPF_R 2	Zebrafish	n/d	AB & TU		
3	2403F3, E210A_SPF_R 2	Zebrafish	n/d	Sump swab		
4	2403F4, E210A_SPF_R 3	Zebrafish	n/d	AB & Casper		
5	2403F5, E210_MDA_R 1	Zebrafish	n/d	5649-21 Line 31, Line 32, Line 36		
6	2403F6, E210_MDA_R 3	Zebrafish	n/d	5649-21 Line 24, Line 33 & Line 34		
7	2403F7, E210A_SPF_R 3	Zebrafish	n/d	Sump swab		
8	2403F8, E210A_SPF_R 4	Zebrafish	n/d	Sump swab		
9	2403F9, E210_MDA_R 1	Zebrafish	n/d	Sump swab		
10	2403F10, E210_MDA_R 2	Zebrafish	n/d	Sump swab		
11	2403F11, E210_MDA_R 3	Zebrafish	n/d	Sump swab		
12	2403F12, E210_MDA_R 4	Zebrafish	n/d	Sump swab		
13	2403F13, E212_Q1	Zebrafish	n/d	Sump swab		
14	2403F14, E212_Q2	Zebrafish	n/d	Sump swab		

Test Results

Order #: **2024016611**

LTM Customer ID: 38307
The University of Hong Kong
U Hong Kong Ctr for Comparative Med
Research UHK

Charles River Research Animal Diagnostic Services
(CR RADS)
261 Ballardvale Street
Receiving Dock, Bldg 22
Wilmington MA 01887 USA

10A Sassoon Road
Pokfulam, HK 0 Hong Kong

Notes

Lab No.2403F1-2403F25, Location: Conventional Experimental Holding Area, Dexter H.C. Man Building (CA-DMB)

Sample Information

Number	Code	Species	Colony	Strain	Age	Sex
15	2403F15, E212_Q2	Zebrafish	n/d	TU & Casper		
16	2403F16, E212_Q1	Zebrafish	n/d	AB		
17	2403F17, E212_Q1	Zebrafish	n/d	Casper & TU		
18	2403F18, E212_Q1	Zebrafish	n/d	5441-20 C5		
19	2403F19, E212_Q1	Zebrafish	n/d	AB		
20	2403F20, E212_Q1	Zebrafish	n/d	TU & Casper		
21	2403F21, E212_Q1	Zebrafish	n/d	TU		
22	2403F22, E212_Q1	Zebrafish	n/d	5697-21 B3		
23	2403F23, E212_Q1	Zebrafish	n/d	5697-21 B3		
24	2403F24, E212_Q1	Zebrafish	n/d	AB		
25	2403F25, E210A_SPF_R 1	Zebrafish	n/d	Water filter		

Test Results

Order #: **2024016343**

LTM Customer ID: 38307
The University of Hong Kong
U Hong Kong Ctr for Comparative Med
Research UHK

Charles River Research Animal Diagnostic Services
(CR RADS)
261 Ballardvale Street
Receiving Dock, Bldg 22
Wilmington MA 01887 USA

10A Sassoon Road
Pokfulam, HK 0 Hong Kong

Billing Information

Payment Method

Purchase Order PO#: Covering Invoice for
#2024016343

University of Hong Kong
10A Sassoon Road
Pokfulam, HK 0 Hong Kong

Details

Sample(s) from: NULL

Collection Date

05-Mar-2024

Arrival Date

18-Mar-2024

Approval Date

22-Mar-2024

Notes

Lab. No. 2403AR5D (Interceptor), Location: Conventional Experimental Holding Area – Laboratory Block, Li Ka Shing Faculty of Medicine (CA-FMB)

Diagnostic Summary

Test	Colony	Tested	+	+/-	?	PDG
Aspiculuris tetraptera Pinworm Speciation PCR	n/d	1	1	0	0	0
Astrovirus-1 PCR UHK Mouse Quarantine PRIA	n/d	1	1	0	0	0
Astrovirus-2 PCR UHK Mouse Quarantine PRIA	n/d	1	1	0	0	0
H. ganmani Helicobacter species specific assays	n/d	1	1	0	0	0
H. hepaticus UHK Mouse Quarantine PRIA	n/d	1	1	0	0	0
H. hepaticus Helicobacter species specific assays	n/d	1	1	0	0	0
H. mastomyrinus Helicobacter species specific assays	n/d	1	1	0	0	0
H. rodentium Helicobacter species specific assays	n/d	1	1	0	0	0
H. typhlonius Helicobacter species specific assays	n/d	1	1	0	0	0
Helicobacter genus PCR UHK Mouse Quarantine PRIA	n/d	1	1	0	0	0
Hexamastix muris PCR UHK Mouse Quarantine PRIA	n/d	1	1	0	0	0
MHV PCR UHK Mouse Quarantine PRIA	n/d	1	1	0	0	0
MNV PCR UHK Mouse Quarantine PRIA	n/d	1	1	0	0	0
P. mirabilis PCR UHK Mouse Quarantine PRIA	n/d	1	1	0	0	0

Test Results

Order #: **2024016343**

LTM Customer ID: 38307
The University of Hong Kong
U Hong Kong Ctr for Comparative Med
Research UHK

Charles River Research Animal Diagnostic Services
(CR RADS)
261 Ballardvale Street
Receiving Dock, Bldg 22
Wilmington MA 01887 USA

10A Sassoon Road
Pokfulam, HK 0 Hong Kong

Notes

Lab. No. 2403AR5D (Interceptor), Location: Conventional Experimental Holding Area – Laboratory Block, Li Ka Shing Faculty of Medicine (CA-FMB)

Diagnostic Summary

Test	Colony	Tested	+	+/-	?	PDG
Pinworm PCR UHK Mouse Quarantine PRIA	n/d	1	1	0	0	0
Pneumocystis PCR UHK Mouse Quarantine PRIA	n/d	1	1	0	0	0
R. heylii PCR UHK Mouse Quarantine PRIA	n/d	1	1	0	0	0
R. pneumotropicus PCR UHK Mouse Quarantine PRIA	n/d	1	1	0	0	0
S. aureus PCR UHK Mouse Quarantine PRIA	n/d	1	1	0	0	0
Spironucleus muris PCR UHK Mouse Quarantine PRIA	n/d	1	1	0	0	0
Syphacia obvelata Pinworm Speciation PCR	n/d	1	1	0	0	0
Trichomonas genus PCR UHK Mouse Quarantine PRIA	n/d	1	1	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.

Test Results

Order #: **2024016343**

LTM Customer ID: 38307
The University of Hong Kong
U Hong Kong Ctr for Comparative Med
Research UHK

Charles River Research Animal Diagnostic Services
(CR RADS)
261 Ballardvale Street
Receiving Dock, Bldg 22
Wilmington MA 01887 USA

10A Sassoon Road
Pokfulam, HK 0 Hong Kong

Notes

Lab. No. 2403AR5D (Interceptor), Location: Conventional Experimental Holding Area – Laboratory Block, Li Ka Shing Faculty of Medicine (CA-FMB)

Molecular Diagnostics: Infectious

Disease PCR

Results approved by Peck, DiAnne on 22 Mar 2024

UHK Mouse Quarantine PRIA

1
2403AR5
D

<i>Astrovirus-1 PCR</i>	+
<i>Astrovirus-2 PCR</i>	+
<i>Hantaan PCR</i>	-
<i>Hantaviruses New World PCR</i>	-
<i>LCMV PCR</i>	-
<i>LDV PCR</i>	-
<i>MAV 1 & 2 PCR</i>	-
<i>MCMV PCR</i>	-
<i>MHV PCR</i>	+
<i>MNV PCR</i>	+
<i>Mousepox (Ectromelia) PCR</i>	-
<i>Mouse Parvovirus (MPV/MVM) PCR</i>	-
<i>MRV (EDIM) PCR</i>	-
<i>MTLV PCR</i>	-
<i>Rodent Chaphamaparvovirus 1 (MuCPV/MKPV PCR</i>	-
<i>POLY PCR</i>	-
<i>PVM PCR</i>	-
<i>REO PCR</i>	-
<i>SEND PCR</i>	-
<i>TMEV/GDVII PCR</i>	-
<i>Beta Strep Grp A PCR</i>	-
<i>Beta Strep Grp B PCR</i>	-
<i>Beta Strep Grp C PCR</i>	-
<i>Beta Strep Grp G PCR</i>	-
<i>B. bronchiseptica PCR</i>	-
<i>B. pseudohinzii PCR</i>	-
<i>Campylobacter Genus PCR</i>	-
<i>C. rodentium PCR</i>	-
<i>C. piliforme PCR</i>	-

Test Results

Order #: **2024016343**

LTM Customer ID: 38307
The University of Hong Kong
U Hong Kong Ctr for Comparative Med
Research UHK

Charles River Research Animal Diagnostic Services
(CR RADS)
261 Ballardvale Street
Receiving Dock, Bldg 22
Wilmington MA 01887 USA

10A Sassoon Road
Pokfulam, HK 0 Hong Kong

Notes

Lab. No. 2403AR5D (Interceptor), Location: Conventional Experimental Holding Area – Laboratory Block, Li Ka Shing Faculty of Medicine (CA-FMB)

Molecular Diagnostics: Infectious

Disease PCR

Results approved by Peck, DiAnne on 22 Mar 2024

UHK Mouse Quarantine PRIA (continued)

1
2403AR5
D

<i>C. bovis</i> PCR	-
<i>C. kutscheri</i> PCR	-
<i>Filobacterium rodentium</i> (CAR <i>Bacillus</i>) PCR	-
<i>Helicobacter</i> genus PCR	+
<i>H. bilis</i>	-
<i>H. hepaticus</i>	+
<i>K. oxytoca</i> PCR	-
<i>K. pneumoniae</i> PCR	-
<i>K</i> Virus PCR	-
<i>M. pulmonis</i> PCR	-
<i>R. heylii</i> PCR	+
<i>R. pneumotropicus</i> PCR	+
<i>P. multocida</i> PCR	-
<i>P. mirabilis</i> PCR	+
<i>Salmonella</i> Genus PCR	-
<i>Ps. aeruginosa</i> PCR	-
<i>S. aureus</i> PCR	+
<i>S. moniliformis</i> PCR	-
<i>S. pneumoniae</i> PCR	-
<i>Toxoplasma gondii</i> PCR	-
<i>Y. enterocolitica</i> PCR	-
<i>Y. pseudotuberculosis</i> PCR	-
<i>Cryptosporidium</i> PCR	-
<i>Chilomastix muris</i> PCR	-
<i>Demodex</i> PCR	-
<i>E. cuniculi</i> PCR	-
<i>Entamoeba</i> PCR	-
<i>Giardia</i> PCR	-
Mite PCR	-

Test Results

Order #: **2024016343**

LTM Customer ID: 38307
The University of Hong Kong
U Hong Kong Ctr for Comparative Med
Research UHK

Charles River Research Animal Diagnostic Services
(CR RADS)
261 Ballardvale Street
Receiving Dock, Bldg 22
Wilmington MA 01887 USA

10A Sassoon Road
Pokfulam, HK 0 Hong Kong

Notes

Lab. No. 2403AR5D (Interceptor), Location: Conventional Experimental Holding Area – Laboratory Block, Li Ka Shing Faculty of Medicine (CA-FMB)

Molecular Diagnostics: Infectious

Disease PCR

Results approved by Peck, DiAnne on 22 Mar 2024

UHK Mouse Quarantine PRIA (continued)

1
2403AR5
D

<i>Pinworm PCR</i>	+
<i>Pneumocystis PCR</i>	+
<i>Hexamastix muris PCR</i>	+
<i>Spirotrichomonas muris PCR</i>	+
<i>Trichomonas genus PCR</i>	+

Pinworm Speciation PCR

1
2403AR5
D

<i>Aspicularis tetraptera</i>	+
<i>Syphacia muris</i>	-
<i>Syphacia obvelata</i>	+

Helicobacter species specific assays

1
2403AR5
D

<i>H. bilis</i>	-
<i>H. ganmani</i>	+
<i>H. hepaticus</i>	+
<i>H. mastomyrinus</i>	+
<i>H. rodentium</i>	+
<i>H. typhlonius</i>	+

Remarks

Test Results

Order #: **2024016343**

LTM Customer ID: 38307
The University of Hong Kong
U Hong Kong Ctr for Comparative Med
Research UHK

Charles River Research Animal Diagnostic Services
(CR RADS)
261 Ballardvale Street
Receiving Dock, Bldg 22
Wilmington MA 01887 USA

10A Sassoon Road
Pokfulam, HK 0 Hong Kong

Notes

Lab. No. 2403AR5D (Interceptor), Location: Conventional Experimental Holding Area – Laboratory Block, Li Ka Shing Faculty of Medicine (CA-FMB)

- = 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. If any results are unexpected positives, it is suggested to submit a new representative sample for gratis retesting of the specific agent(s) in question. Please reference this order on the new submission so we can adjust the billing to gratis. The gratis testing is only up to the number of unexpected results in this order.

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.

Test Results

Order #: **2024016343**

LTM Customer ID: 38307
The University of Hong Kong
U Hong Kong Ctr for Comparative Med
Research UHK

Charles River Research Animal Diagnostic Services
(CR RADS)
261 Ballardvale Street
Receiving Dock, Bldg 22
Wilmington MA 01887 USA

10A Sassoon Road
Pokfulam, HK 0 Hong Kong

Notes

Lab. No. 2403AR5D (Interceptor), Location: Conventional Experimental Holding Area – Laboratory Block, Li Ka Shing Faculty of Medicine (CA-FMB)

Sample Information

Number	Code	Species	Colony	Strain	Age	Sex
1	2403AR5D	Mouse	n/d	IVC Sentinel/ ICR (CD-1)		

Test Results

Order #: **2024016434**

LTM Customer ID: 38307
The University of Hong Kong
U Hong Kong Ctr for Comparative Med
Research UHK

Charles River Research Animal Diagnostic Services
(CR RADS)
261 Ballardvale Street
Receiving Dock, Bldg 22
Wilmington MA 01887 USA

10A Sassoon Road
Pokfulam, HK 0 Hong Kong

Billing Information

Payment Method

Purchase Order PO#: Covering Invoice for
#2024016434

University of Hong Kong
10A Sassoon Road
Pokfulam, HK 0 Hong Kong

Details

Sample(s) from: NULL

Collection Date

07-Mar-2024

Arrival Date

18-Mar-2024

Approval Date

19-Mar-2024

Notes

Lab. No. 2403M501-2403M502, Location: Conventional Experimental Holding Area - Kadoorie Biological Sciences Building
(CA-KA)

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.

Test Results

Order #: **2024016434**

LTM Customer ID: 38307
The University of Hong Kong
U Hong Kong Ctr for Comparative Med
Research UHK

Charles River Research Animal Diagnostic Services
(CR RADS)
261 Ballardvale Street
Receiving Dock, Bldg 22
Wilmington MA 01887 USA

10A Sassoon Road
Pokfulam, HK 0 Hong Kong

Notes

Lab. No. 2403M501-2403M502, Location: Conventional Experimental Holding Area - Kadoorie Biological Sciences Building (CA-KA)

Serology

Results approved by Wunderlich, Janet on 19 Mar 2024

1 **2**
2403M501, 2403M502,
Rm.8S20 Rm.8S20

	1	2
MFIA SEND	-	-
MFIA PVM	-	-
MFIA MHV	-	-
MFIA MVM	-	-
MFIA MPV-1	-	-
MFIA MPV-2	-	-
MFIA MPV-5	-	-
MFIA NS-1	-	-
MFIA MNV	-	-
MFIA GDVII	-	-
MFIA REO	-	-
MFIA EDIM (ROTA-A)	-	-
MFIA LCMV	-	-
MFIA ECTRO	-	-
MFIA MAV 1 & 2	-	-
MFIA MCMV	-	-
MFIA K Virus	-	-
MFIA MTLV	-	-
MFIA POLY	-	-
MFIA HTNV (HANT)	-	-
MFIA MPUL	-	-
MFIA CARB (F. rodentium)	-	-
MFIA LDV	-	-
MFIA CPIL	-	-
MFIA ECUN	-	-
MFIA PHV	-	-
MFIA Anti-Ig	P	P

Serology Profile: UHK MFIA Mouse Full Profile

Remarks

Test Results

Order #: **2024016434**

LTM Customer ID: 38307
The University of Hong Kong
U Hong Kong Ctr for Comparative Med
Research UHK

Charles River Research Animal Diagnostic Services
(CR RADS)
261 Ballardvale Street
Receiving Dock, Bldg 22
Wilmington MA 01887 USA

10A Sassoon Road
Pokfulam, HK 0 Hong Kong

Notes

Lab. No. 2403M501-2403M502, Location: Conventional Experimental Holding Area - Kadoorie Biological Sciences Building (CA-KA)

MFIA/IFA/ELISA/WIB Results:

- = Negative
- +/- = Equivocal
- + = Moderate to strong positive
- TC = Non-specific reaction with tissue control
- I = Indeterminate or Inconclusive
- IN = Interpreted as non-specific (MFIA result not confirmed by alternate serologic assay or diagnostic methodology)
- PDG = Pending
- QNS = Quantity not sufficient

The anti-immunoglobulin (Anti-Ig) MFIA control 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), is assigned if the MFI is below the cutoff which 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 control, then negative and borderline results in MFIA assays for microbial antibodies are considered Inconclusive because the testing is not valid.

Please contact Lab Services (labservices@crl.com) with questions about these interpretations.

Test Results

Order #: **2024016434**

LTM Customer ID: 38307
The University of Hong Kong
U Hong Kong Ctr for Comparative Med
Research UHK

Charles River Research Animal Diagnostic Services
(CR RADS)
261 Ballardvale Street
Receiving Dock, Bldg 22
Wilmington MA 01887 USA

10A Sassoon Road
Pokfulam, HK 0 Hong Kong

Notes

Lab. No. 2403M501-2403M502, Location: Conventional Experimental Holding Area - Kadoorie Biological Sciences Building (CA-KA)

Sample Information

Number	Code	Species	Colony	Strain	Age	Sex
1	2403M501, Rm.8S20	Mouse	n/d	Sentinel/ ICR (CD-1)	Adult	Female
2	2403M502, Rm.8S20	Mouse	n/d	Sentinel/ ICR (CD-1)	Adult	Female