

Test Results

Order #: **2023031373**

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

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
#2023031373

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

Details

Sample(s) from: NULL

Collection Date

01-Jun-2023

Arrival Date

08-Jun-2023

Approval Date

22-Jun-2023

Notes

Lab. No. 2306H301 (Interceptor), Location: Conventional Experimental Holding Area, Dexter H.C. Man Building (CA-DMB)

Diagnostic Summary

Test	Colony	Tested	+	+/-	?	PDG
D. musculi PCR	n/d	1	1	0	0	0
Demodex PCR	n/d	1	1	0	0	0
UHK Hamster Surveillance Plus PRIA						
P. mirabilis PCR	n/d	1	1	0	0	0
UHK Hamster Surveillance Plus PRIA						
Pasteurellaceae PCR	n/d	1	1	0	0	0
UHK Hamster Surveillance Plus PRIA						
S. aureus PCR	n/d	1	1	0	0	0
UHK Hamster Surveillance Plus PRIA						

+ = 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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Notes

Lab. No. 2306H301 (Interceptor), Location: Conventional Experimental Holding Area, Dexter H.C. Man Building (CA-DMB)

Molecular Diagnostics: Infectious

Disease PCR

Results approved by Peck, DiAnne on 22 Jun 2023

UHK Hamster Surveillance Plus PRIA

1
2306H301,
Rm.E317

Group A Rotavirus	-
Hamster Parvovirus	-
LCMV PCR	-
POLY PCR	-
PVM PCR	-
REO PCR	-
Sarbecovirus (SARS Virus) PCR	-
SEND PCR	-
Beta Strep Grp A PCR	-
Beta Strep Grp B PCR	-
Beta Strep Grp C PCR	-
Beta Strep Grp G PCR	-
B. bronchiseptica PCR	-
Campylobacter Genus PCR	-
C. bovis PCR	-
C. kutscheri PCR	-
C. piliforme PCR	-
Helicobacter genus PCR	-
K. oxytoca PCR	-
K. pneumoniae PCR	-
Lawsonia PCR	-
Pasteurellaceae PCR	+
P. multocida PCR	-
R. heyltii PCR	-
R. pneumotropicus PCR	-
P. mirabilis PCR	+
Ps. aeruginosa PCR	-
Salmonella Genus PCR	-
S. aureus PCR	+
S. pneumoniae PCR	-

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Notes

Lab. No. 2306H301 (Interceptor), Location: Conventional Experimental Holding Area, Dexter H.C. Man Building (CA-DMB)

Molecular Diagnostics: Infectious

Disease PCR

Results approved by Peck, DiAnne on 22 Jun 2023

UHK Hamster Surveillance Plus PRIA (continued)

1
2306H301,
Rm.E317

Cryptosporidium PCR	-
Demodex PCR	+
Entamoeba PCR	-
E. cuniculi PCR	-
Giardia PCR	-
Mite PCR	-
Pinworm PCR	-
Spirochete PCR	-

Assays

1
2306H301,
Rm.E317

D. musculi PCR	+
-----------------------	---

Remarks

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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.

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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Notes

Lab. No. 2306H301 (Interceptor), Location: Conventional Experimental Holding Area, Dexter H.C. Man Building (CA-DMB)

Sample Information

Number	Code	Species	Colony	Strain	Age	Sex
1	2306H301, Rm.E317	Hamster	n/d	AURA (Golden Syrian)		

Test Results

Order #: **2023031374**

LTM Customer ID: 38307
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Research

Charles River Research Animal Diagnostic Services
(CR RADS)
261 Ballardvale Street
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10A Sassoon Road
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Billing Information

Payment Method

Purchase Order PO#: Covering Invoice for
#2023031374

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

Details

Sample(s) from: NULL

Collection Date
01-Jun-2023

Arrival Date
09-Jun-2023

Approval Date
14-Jun-2023

Notes

Lab. No. 2306H304-2306H306, Location: Conventional Experimental Holding Area, Dexter H.C. Man Building (CA-DMB)

Diagnostic Summary

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

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

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Notes

Lab. No. 2306H304-2306H306, Location: Conventional Experimental Holding Area, Dexter H.C. Man Building (CA-DMB)

Serology

Results approved by Estevez, Rebecca on 14 Jun 2023

	<u>1</u> 2306H304, Rm.E316	<u>2</u> 2306H305, Rm.E316	<u>3</u> 2306H306, Rm.E316
MFIA SEND	-	-	-
MFIA PVM	-	-	-
MFIA REO	-	-	-
MFIA LCMV	-	-	-
MFIA ECUN	-	-	-
MFIA PIV-5	-	-	-
MFIA CPIL	-	-	-
MFIA Anti-Ig	P	P	P

Serology Profile: MFIA Syrian Hamster Assessment Profile w/ CPIL

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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Notes

Lab. No. 2306H304-2306H306, Location: Conventional Experimental Holding Area, Dexter H.C. Man Building (CA-DMB)

Sample Information

Number	Code	Species	Colony	Strain	Age	Sex
1	2306H304, Rm.E316	Hamster	n/d	Sentinel/ AURA (Golden Syrian)	Adult	Female
2	2306H305, Rm.E316	Hamster	n/d	Sentinel/ AURA (Golden Syrian)	Adult	Female
3	2306H306, Rm.E316	Hamster	n/d	Sentinel/ AURA (Golden Syrian)	Adult	Female

Test Results

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Billing Information

Payment Method

Purchase Order PO#: Covering Invoice for
#2023031192

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

Details

Sample(s) from: NULL

Collection Date

31-May-2023

Arrival Date

08-Jun-2023

Approval Date

20-Jun-2023

Notes

Lab. No. 2306AR5A (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-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. 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
Pinworm PCR UHK Mouse Quarantine PRIA	n/d	1	1	0	0	0
R. heyltii 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

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Notes

Lab. No. 2306AR5A (Interceptor), Location: Conventional Experimental Holding Area – Laboratory Block, Li Ka Shing Faculty of Medicine (CA-FMB)

Diagnostic Summary

Test	Colony	Tested	+	+/-	?	PDG
Syphacia obvelata Pinworm Speciation PCR	n/d	1	1	0	0	0
Tririchomonas genus PCR UHK Mouse Quarantine PRIA	n/d	1	1	0	0	0

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Lab. No. 2306AR5A (Interceptor), Location: Conventional Experimental Holding Area – Laboratory Block, Li Ka Shing Faculty of Medicine (CA-FMB)

Molecular Diagnostics: Infectious

Disease PCR

Results approved by Magan, Kyria on 20 Jun 2023

UHK Mouse Quarantine PRIA

1
2306AR5
A

Hantaan PCR	-
Hantaviruses New World PCR	-
LCMV PCR	-
LDV PCR	-
MAV 1 & 2 PCR	-
MCMV PCR	-
MHV PCR	+
MNV PCR	+
Mousepox (Ectromelia) PCR	-
Mouse Parvovirus (MPV/MVM) PCR	-
MRV (EDIM) PCR	-
MTLV PCR	-
POLY PCR	-
PVM PCR	-
REO PCR	-
SEND PCR	-
TMEV/GDVII PCR	-
Beta Strep Grp A PCR	-
Beta Strep Grp B PCR	-
Beta Strep Grp C PCR	-
Beta Strep Grp G PCR	-
B. bronchiseptica PCR	-
B. pseudohinzii PCR	-
Campylobacter Genus PCR	-
Filobacterium rodentium (CAR Bacillus) PCR	-
C. rodentium PCR	-
C. piliforme PCR	-
C. bovis PCR	-
C. kutscheri PCR	-

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Molecular Diagnostics: Infectious

Disease PCR

Results approved by Magan, Kyria on 20 Jun 2023

UHK Mouse Quarantine PRIA (continued)

1
2306AR5
A

<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>Demodex</i> PCR	-
<i>Giardia</i> PCR	-
<i>E. cuniculi</i> PCR	-
<i>Entamoeba</i> PCR	-
Mite PCR	-
Pinworm PCR	+
<i>Pneumocystis</i> PCR	-
<i>Spirochete</i> muris PCR	-
<i>Trichomonas</i> genus PCR	+
<i>Astrovirus-1</i> PCR	-

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Lab. No. 2306AR5A (Interceptor), Location: Conventional Experimental Holding Area – Laboratory Block, Li Ka Shing Faculty of Medicine (CA-FMB)

Molecular Diagnostics: Infectious

Disease PCR

Results approved by Magan, Kyria on 20 Jun 2023

UHK Mouse Quarantine PRIA (continued)

1
2306AR5
A

Astrovirus-2 PCR	+
Chilomastix muris PCR	-
Hexamastix muris PCR	+
MuCPV PCR (MKPV)	-

Helicobacter species specific assays

1
2306AR5
A

H. bilis	-
H. ganmani	+
H. hepaticus	+
H. mastomyrinus	+
H. rodentium	-
H. typhlonius	+

Pinworm Speciation PCR

1
2306AR5
A

Aspicularis tetraptera	+
Syphacia muris	-
Syphacia obvelata	+

Remarks

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Lab. No. 2306AR5A (Interceptor), Location: Conventional Experimental Holding Area – Laboratory Block, Li Ka Shing Faculty of Medicine (CA-FMB)

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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.

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Test Results

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Notes

Lab. No. 2306AR5A (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	2306AR5A	Mouse	n/d	IVC Sentinel/ ICR (CD-1)		

Test Results

Order #: **2023031376**

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

Charles River Research Animal Diagnostic Services
(CR RADS)
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10A Sassoon Road
Pokfulam, HK 0 Hong Kong

Billing Information

Payment Method

Purchase Order PO#: Covering Invoice for
#2023031376

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

Details

Sample(s) from: NULL

Collection Date

01-Jun-2023

Arrival Date

09-Jun-2023

Approval Date

13-Jun-2023

Notes

Lab. No. 2306M501-2306M502, Location: Conventional Experimental Holding Area - Kadoorie Biological Sciences Building
(CA-KA)

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						

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Notes

Lab. No. 2306M501-2306M502, Location: Conventional Experimental Holding Area - Kadoorie Biological Sciences Building (CA-KA)

Serology

Results approved by Wunderlich, Janet on 13 Jun 2023

1 **2**
2306M501, 2306M502,
Rm.8S21 Rm.8S21

	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

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Notes

Lab. No. 2306M501-2306M502, 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 = 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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Notes

Lab. No. 2306M501-2306M502, Location: Conventional Experimental Holding Area - Kadoorie Biological Sciences Building (CA-KA)

Sample Information

Number	Code	Species	Colony	Strain	Age	Sex
1	2306M501, Rm.8S21	Mouse	n/d	Sentinel/ ICR (CD-1)	Adult	Female
2	2306M502, Rm.8S21	Mouse	n/d	Sentinel/ ICR (CD-1)	Adult	Female

Test Results

Order #: **2023031600**

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

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261 Ballardvale Street
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10A Sassoon Road
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Billing Information

Payment Method

Purchase Order PO#: Covering Invoice for
#2023031600

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

Details

Sample(s) from: NULL

Collection Date

19-May-2023

Arrival Date

08-Jun-2023

Approval Date

22-Jun-2023

Notes

Lab No.2306F1-2306F7, Location: CA-DMB

Diagnostic Summary

Test	Colony	Tested	+	+/-	?	PDG
Aeromonas hydrophila PCR UHK Zebrafish Surveillance Plus PCR Panel	n/d	7	4	0	0	0
Mycobacterium abscessus PCR UHK Zebrafish Surveillance Plus PCR Panel	n/d	7	1	0	0	0
Mycobacterium chelonae PCR UHK Zebrafish Surveillance Plus PCR Panel	n/d	7	1	0	0	0
Mycobacterium fortuitum PCR UHK Zebrafish Surveillance Plus PCR Panel	n/d	7	1	0	0	0
Mycobacterium gordonae UHK Zebrafish Surveillance Plus PCR Panel	n/d	7	1	0	0	0

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

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Test Results

Order #: **2023031600**

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

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.2306F1-2306F7, Location: CA-DMB

Molecular Diagnostics: Infectious

Disease PCR

Results approved by Magan, Kyria on 22 Jun 2023

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>
	2306F1, SPF/E210A (Rack 4)	2306F2, MDA/E210 (Rack 3)	2306F3, MDA/E210 (Rack 2)	2306F4, SPF/E210A (Rack 2)	2306F5, SPF/E210A (Rack 1)	2306F6, DMB/E212 Rack 2	2306F7, DMB (Dry Feed)
<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 #: **2023031600**

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

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.2306F1-2306F7, Location: 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.

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 #: **2023031600**

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

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.2306F1-2306F7, Location: CA-DMB

Sample Information

Number	Code	Species	Colony	Strain	Age	Sex
1	2306F1, SPF/E210A (Rack 4)	Zebrafish	n/d	Casper and AB		
2	2306F2, MDA/E210 (Rack 3)	Zebrafish	n/d	5649-21, Line 32 & 34		
3	2306F3, MDA/E210 (Rack 2)	Zebrafish	n/d	AB & Casper		
4	2306F4, SPF/E210A (Rack 2)	Zebrafish	n/d	AB & Casper		
5	2306F5, SPF/E210A (Rack 1)	Zebrafish	n/d	AB & Casper		
6	2306F6, DMB/E212 Rack 2	Zebrafish	n/d	AB & TU		
7	2306F7, DMB (Dry Feed)	Zebrafish	n/d	Dry feed		

Test Results

Order #: **2023031606**

LTM Customer ID: 38307
The University of Hong Kong
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Research

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
#2023031606

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

Details

Sample(s) from: NULL

Collection Date

23-May-2023

Arrival Date

08-Jun-2023

Approval Date

23-Jun-2023

Notes

Lab No.2306F8-2306F10, Location: L6-13, Zebrafish Core Facility, Laboratory Block, Li Ka Shing Faculty of Medicine

Diagnostic Summary

Test	Colony	Tested	+	+/-	?	PDG
Pseudoloma neurophilia PCR UHK Zebrafish Surveillance Plus PCR Panel	n/d	3	1	0	0	0
Zebrafish picornavirus UHK Zebrafish Surveillance Plus PCR Panel	n/d	3	1	0	0	0

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

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http://www.criver.com/info/disease_sheets.

Test Results

Order #: **2023031606**

LTM Customer ID: 38307
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Research

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.2306F8-2306F10, Location: L6-13, Zebrafish Core Facility, Laboratory Block, Li Ka Shing Faculty of Medicine

Molecular Diagnostics: Infectious

Disease PCR

Results approved by Magan, Kyria on 23 Jun 2023

UHK Zebrafish Surveillance Plus PCR Panel

	<u>1</u> 2306F8, Rm.L6-13 (Artemia)	<u>2</u> 2306F9, Rm.L6-13 (Sump fish)	<u>3</u> 2306F10, Rm.L6-13 (Colony fish)
<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 brachydanis</i> PCR	-	-	-
<i>Zebrafish picornavirus</i>	-	+	-

Remarks

Test Results

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Research

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

10A Sassoon Road
Pokfulam, HK 0 Hong Kong

Notes

Lab No.2306F8-2306F10, Location: L6-13, Zebrafish Core Facility, Laboratory Block, Li Ka Shing Faculty of Medicine

- = 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.

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Test Results

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Research

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261 Ballardvale Street
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Wilmington MA 01887 USA

10A Sassoon Road
Pokfulam, HK 0 Hong Kong

Notes

Lab No.2306F8-2306F10, Location: L6-13, Zebrafish Core Facility, Laboratory Block, Li Ka Shing Faculty of Medicine

Sample Information

Number	Code	Species	Colony	Strain	Age	Sex
1	2306F8, Rm.L6-13 (Artemia)	Zebrafish	n/d	Artemia		
2	2306F9, Rm.L6-13 (Sump fish)	Zebrafish	n/d	Unknown strains, (Pre-filtratio n)		
3	2306F10, Rm.L6-13 (Colony fish)	Zebrafish	n/d	TU, (Post-filtrati on)		

Test Results

Order #: **2023031607**

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

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
#2023031607

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

Details

Sample(s) from: NULL

Collection Date

23-May-2023

Arrival Date

08-Jun-2023

Approval Date

22-Jun-2023

Notes

Lab No.2306F11 & 2306F12, Location: L8-16, Zebrafish Room, Department of Medicine, Laboratory Block

Diagnostic Summary

Test	Colony	Tested	+	+/-	?	PDG
Mycobacterium abscessus PCR UHK Zebrafish Surveillance Plus PCR Panel	n/d	2	1	0	0	0
Mycobacterium chelonae PCR UHK Zebrafish Surveillance Plus PCR Panel	n/d	2	1	0	0	0
Myxidium streisingeri UHK Zebrafish Surveillance Plus PCR Panel	n/d	2	2	0	0	0
Pseudocapillaria tomentosa PCR UHK Zebrafish Surveillance Plus PCR Panel	n/d	2	2	0	0	0
Zebrafish picornavirus UHK Zebrafish Surveillance Plus PCR Panel	n/d	2	1	0	0	0

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

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Test Results

Order #: **2023031607**

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The University of Hong Kong
U Hong Kong Ctr for Comparative Med
Research

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.2306F11 & 2306F12, Location: L8-16, Zebrafish Room, Department of Medicine, Laboratory Block

Molecular Diagnostics: Infectious

Disease PCR

Results approved by Magan, Kyria on 22 Jun 2023

UHK Zebrafish Surveillance Plus PCR Panel

	<u>1</u> 2306F11, Rm.L8-16	<u>2</u> 2306F12, Rm.L8-16
<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 brachydanis</i> PCR	-	-
<i>Zebrafish picornavirus</i>	-	+

Remarks

Test Results

Order #: **2023031607**

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The University of Hong Kong
U Hong Kong Ctr for Comparative Med
Research

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

10A Sassoon Road
Pokfulam, HK 0 Hong Kong

Notes

Lab No.2306F11 & 2306F12, Location: L8-16, Zebrafish Room, Department of Medicine, Laboratory Block

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10A Sassoon Road
Pokfulam, HK 0 Hong Kong

Notes

Lab No.2306F11 & 2306F12, Location: L8-16, Zebrafish Room, Department of Medicine, Laboratory Block

Sample Information

Number	Code	Species	Colony	Strain	Age	Sex
1	2306F11, Rm.L8-16	Zebrafish	n/d	Pre-filtration		
2	2306F12, Rm.L8-16	Zebrafish	n/d	Post-filtratio n		