

# Test Results

Order #: **2022030784**

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#: 650988

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

## Details

Sample(s) from: NULL

Collection Date	Arrival Date	Approval Date
09-Jun-2022	21-Jun-2022	24-Jun-2022

## Notes

Lab. No. 2206M201, 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
D. musculi PCR	n/d	1	1	0	0	0
Demodex 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 UHK Mouse Quarantine PRIA	n/d	1	1	0	0	0
Hexamastix muris PCR	n/d	1	1	0	0	0
MHV PCR UHK Mouse Quarantine PRIA	n/d	1	1	0	0	0
Mite 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

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## Notes

Lab. No. 2206M201, Location: Conventional Experimental Holding Area – Laboratory Block, Li Ka Shing Faculty of Medicine (CA-FMB)

## Diagnostic Summary

Test	Colony	Tested	+	+/-	?	PDG
P. mirabilis 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. 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
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](http://www.criver.com/info/disease_sheets).

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## Notes

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## Molecular Diagnostics: Infectious Disease PCR

Results approved by Peck, DiAnne on 24 Jun 2022

### UHK Mouse Quarantine PRIA

	1 2206M201, Rm.AR5 Zon
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) P	-
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	-
CAR Bacillus (F. rodentium) PCR	-
C. rodentium PCR	-
C. piliforme PCR	-
C. bovis PCR	-
C. kutscheri PCR	-
Helicobacter genus	+
H. bilis	-
H. hepaticus	+
K. oxytoca PCR	-
K. pneumoniae PCR	-
K Virus PCR	-

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## Molecular Diagnostics: Infectious Disease PCR

Results approved by Peck, DiAnne on 24 Jun 2022

	1 2206M201, Rm.AR5 Zon
<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	-
<i>Mite</i> PCR	+
<i>Pinworm</i> PCR	+
<i>Pneumocystis</i> PCR	-
<i>Spirochete muris</i> PCR	+
<i>Tritrichomonas</i> genus PCR	+
<i>Astrovirus-1</i> PCR	+
<i>Astrovirus-2</i> PCR	+

## Helicobacter species specific assays

	1 2206M201, Rm.AR5 Zon
<i>H. bilis</i>	-
<i>H. ganmani</i>	+
<i>H. hepaticus</i>	+
<i>H. mastomyrinus</i>	+
<i>H. rodentium</i>	-
<i>H. typhlonius</i>	+

## Pinworm Speciation PCR

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## Molecular Diagnostics: Infectious Disease PCR

Results approved by Peck, DiAnne on 24 Jun 2022

	<b>1</b> 2206M201, Rm.AR5 Zon
<i>Aspicularis tetraptera</i>	+
<i>Syphacia muris</i>	-
<i>Syphacia obvelata</i>	+

## Assays

	<b>1</b> 2206M201, Rm.AR5 Zon
<i>Chilomastix muris</i> PCR	-
<i>Hexamastix muris</i> PCR	+
<i>D. musculi</i> 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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## Notes

Lab. No. 2206M201, 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	2206M201, Rm.AR5 Zone A	Mouse	n/d	Sentinel/ ICR (CD-1)		

# Test Results

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261 Ballardvale Street  
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Wilmington MA 01887 USA

10A Sassoon Road  
Pokfulam, HK 0 Hong Kong

## Billing Information

### Payment Method

Purchase Order PO#: Covering Invoice for  
#2022031313

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

## Details

Sample(s) from: NULL

Collection Date  
08-Jun-2022

Arrival Date  
21-Jun-2022

Approval Date  
29-Jun-2022

## Notes

Lab. No. 2206H301 (Interceptor), Location: Conventional Experimental Holding Area, Dexter H.C. Man Building  
(CA-DMB)

## Diagnostic Summary

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

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## Notes

Lab. No. 2206H301 (Interceptor), Location: Conventional Experimental Holding Area, Dexter H.C. Man Building  
(CA-DMB)

## Molecular Diagnostics: Infectious Disease PCR

Results approved by Magan, Kyria on 29 Jun 2022

### Hamster Surveillance Plus PRIA

	<b>1</b> 2206H301, Rm.E317A
Group A Rotavirus	-
Hamster Parvovirus	-
LCMV PCR	-
POLY PCR	-
PVM PCR	-
REO 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	-
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	-
Cryptosporidium PCR	-
Demodex PCR	+
Entamoeba PCR	-
E. cuniculi PCR	-
Giardia PCR	-
Mite PCR	-



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## Notes

Lab. No. 2206H301 (Interceptor), Location: Conventional Experimental Holding Area, Dexter H.C. Man Building  
(CA-DMB)

## Molecular Diagnostics: Infectious Disease PCR

Results approved by Magan, Kyria on 29 Jun 2022

	1 2206H301, Rm.E317A
Pinworm PCR	-
Spironucleus muris PCR	-

## Remarks

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## Notes

Lab. No. 2206H301 (Interceptor), Location: Conventional Experimental Holding Area, Dexter H.C. Man Building  
(CA-DMB)

## Sample Information

Number	Code	Species	Colony	Strain	Age	Sex
1	2206H301, Rm.E317A	Hamster	n/d	Sentinel/ AURA (Golden Syrian)		

# Test Results

Order #: **2022029967**

LTM Customer ID: 38307  
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Research

10A Sassoon Road  
Pokfulam, HK 0 Hong Kong  
Attn: Ms. Lily Lee

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

## Billing Information

### Payment Method

Purchase Order PO#: 650988

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

## Details

Sample(s) from: NULL

### Collection Date

09-Jun-2022

### Arrival Date

21-Jun-2022

### Approval Date

23-Jun-2022

## Notes

Lab. No. 2206M501-2206M502, 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						
MFIA MNV	n/d	2	2	0	0	0
UHK MFIA Mouse Full Profile						

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Attn: Ms. Lily Lee

## Notes

Lab. No. 2206M501-2206M502, Location: Conventional Experimental Holding Area - Kadoorie Biological Sciences Building  
(CA-KA)

## Serology

Results approved by Estevez, Rebecca on 23 Jun 2022

	<u>1</u> 2206M501, Rm.8S21	<u>2</u> 2206M502, Rm.8S21
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	-	-
MFIA MTLV	-	-
MFIA POLY	-	-
MFIA HTNV (HANT)	-	-
MFIA MPUL	-	-
MFIA CARB ( <i>F. rodentium</i> )	-	-
MFIA LDV	-	-
MFIA CPIL	-	-
MFIA ECUN	-	-
MFIA PHV	-	-
MFIA Anti-Ig	P	P
IFA MHV	+	+

Serology Profile: UHK MFIA Mouse Full Profile

Remarks

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Attn: Ms. Lily Lee

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## Notes

Lab. No. 2206M501-2206M502, 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  $\geq 7000$ . 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. 2206M501-2206M502, Location: Conventional Experimental Holding Area - Kadoorie Biological Sciences Building  
(CA-KA)

## Sample Information

Number	Code	Species	Colony	Strain	Age	Sex
1	2206M501, Rm.8S21	Mouse	n/d	Sentinel/ ICR (CD-1)	Adult	Female
2	2206M502, Rm.8S21	Mouse	n/d	Sentinel/ ICR (CD-1)	Adult	Female