

# Test Results

Order #: **2023015510**

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 #17

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

## Details

Sample(s) from: NULL

### Collection Date

01-Mar-2023

### Arrival Date

10-Mar-2023

### Approval Date

21-Mar-2023

## Notes

Lab. No. AR5D (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. hepaticus UHK Mouse Quarantine PRIA	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
MNV PCR UHK Mouse Quarantine PRIA	n/d	1	1	0	0	0
MuCPV PCR (MKPV)	n/d	1	1	0	0	0
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
Pneumocystis 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
Spironucleus muris PCR UHK Mouse Quarantine PRIA	n/d	1	1	0	0	0

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## Notes

Lab. No. AR5D (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

+ = 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

Lab. No. AR5D (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 21 Mar 2023

### UHK Mouse Quarantine PRIA

1  
AR5D

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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## Notes

Lab. No. AR5D (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 21 Mar 2023

#### UHK Mouse Quarantine PRIA (continued)

1  
AR5D

<i>Helicobacter</i> genus	+
<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	+
<i>Astrovirus-2</i> PCR	+

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## Notes

Lab. No. AR5D (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 21 Mar 2023

### Pinworm Speciation PCR

1  
AR5D

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

### Assays

1  
AR5D

<i>Chilomastix muris</i> PCR	-
<i>Hexamastix muris</i> PCR	+
<i>MuCPV</i> PCR (MKPV)	+

### 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. 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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Pokfulam, HK 0 Hong Kong

## Notes

Lab. No. AR5D (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	AR5D	Mouse	n/d	IVC Sentinel/ ICR (CD-1)		

# Test Results

Order #: **2023015274**

LTM Customer ID: 38307  
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261 Ballardvale Street  
Receiving Dock, Bldg 22  
Wilmington MA 01887 USA

10A Sassoon Road  
Pokfulam, HK 0 Hong Kong

## Billing Information

Payment Method  
None specified

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

## Details

Sample(s) from: NULL

Collection Date	Arrival Date	Approval Date
02-Mar-2023	13-Mar-2023	15-Mar-2023

## Notes

Lab. No. 2303M301-2303M302, Location: Location: Conventional Experimental Holding Area, Dexter H.C. Man Building (CA-DMB)

## Diagnostic Summary

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

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

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# Test Results

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Pokfulam, HK 0 Hong Kong

## Notes

Lab. No. 2303M301-2303M302, Location: Location: Conventional Experimental Holding Area, Dexter H.C. Man Building  
(CA-DMB)

## Serology

Results approved by Wunderlich, Janet on 15 Mar 2023

**1**                      **2**  
2303M301,    2303M302,  
Rm.E216       Rm.E216

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

Serology Profile: UHK MFIA Mouse Full Profile

Remarks



# Test Results

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Pokfulam, HK 0 Hong Kong

## Notes

Lab. No. 2303M301-2303M302, Location: 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 = 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).

# Test Results

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Pokfulam, HK 0 Hong Kong

## Notes

Lab. No. 2303M301-2303M302, Location: Location: Conventional Experimental Holding Area, Dexter H.C. Man Building  
(CA-DMB)

## Sample Information

Number	Code	Species	Colony	Strain	Age	Sex
1	2303M301, Rm.E216	Mouse	n/d	Sentinel/ ICR (CD-1)	Adult	Female
2	2303M302, Rm.E216	Mouse	n/d	Sentinel/ ICR (CD-1)	Adult	Female

# Test Results

Order #: **2023015284**

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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

## Billing Information

Payment Method  
None specified

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

## Details

Sample(s) from: NULL

Collection Date  
02-Mar-2023

Arrival Date  
13-Mar-2023

Approval Date  
16-Mar-2023

## Notes

Lab. No. 2303H301-2303H306, 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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## Serology

Results approved by Wunderlich, Janet on 16 Mar 2023

	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>
	2303H301, Rm.E317A	2303H302, Rm.E317A	2303H303, Rm.E317A	2303H304, Rm.E316	2303H305, Rm.E316	2303H306, Rm.E316
<b>MFIA SEND</b>	-	-	-	-	-	-
<b>MFIA PVM</b>	-	-	-	-	-	-
<b>MFIA REO</b>	-	-	-	-	-	-
<b>MFIA LCMV</b>	-	-	-	-	-	-
<b>MFIA ECUN</b>	-	-	-	-	-	-
<b>MFIA PIV-5</b>	-	-	-	-	-	-
<b>MFIA CPIL</b>	-	-	-	-	-	-
<b>MFIA Anti-Ig</b>	P	P	P	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  $\geq 7000$ . 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. 2303H301-2303H306, Location: Conventional Experimental Holding Area, Dexter H.C. Man Building (CA-DMB)

# Test Results

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## Notes

Lab. No. 2303H301-2303H306, Location: Conventional Experimental Holding Area, Dexter H.C. Man Building (CA-DMB)

## Sample Information

Number	Code	Species	Colony	Strain	Age	Sex
1	2303H301, Rm.E317A	Hamster	n/d	Sentinel/ AURA (Golden Syrian)	Adult	Female
2	2303H302, Rm.E317A	Hamster	n/d	Sentinel/ AURA (Golden Syrian)	Adult	Female
3	2303H303, Rm.E317A	Hamster	n/d	Sentinel/ AURA (Golden Syrian)	Adult	Female
4	2303H304, Rm.E316	Hamster	n/d	Sentinel/ AURA (Golden Syrian)	Adult	Female
5	2303H305, Rm.E316	Hamster	n/d	Sentinel/ AURA (Golden Syrian)	Adult	Female
6	2303H306, Rm.E316	Hamster	n/d	Sentinel/ AURA (Golden Syrian)	Adult	Female

# Test Results

Order #: **2023015275**

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10A Sassoon Road  
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## Billing Information

Payment Method  
None specified

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

## Details

Sample(s) from: NULL

Collection Date	Arrival Date	Approval Date
02-Mar-2023	13-Mar-2023	15-Mar-2023

## Notes

Lab. No. 2303M501-2303M502, Location: Conventional Experimental Holding Area - Kadoorie Biological Sciences Building (CA-KA)

## Diagnostic Summary

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

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## Notes

Lab. No. 2303M501-2303M502, Location: Conventional Experimental Holding Area - Kadoorie Biological Sciences Building (CA-KA)

## Serology

Results approved by Wunderlich, Janet on 15 Mar 2023

**1**                      **2**  
2303M501,    2303M502,  
Rm.8S20       Rm.8S20

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

Serology Profile: UHK MFIA Mouse Full Profile

Remarks

# Test Results

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## Notes

Lab. No. 2303M501-2303M502, 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. 2303M501-2303M502, Location: Conventional Experimental Holding Area - Kadoorie Biological Sciences Building  
(CA-KA)

## Sample Information

Number	Code	Species	Colony	Strain	Age	Sex
1	2303M501, Rm.8S20	Mouse	n/d	Sentinel/ ICR (CD-1)	Adult	Female
2	2303M502, Rm.8S20	Mouse	n/d	Sentinel/ ICR (CD-1)	Adult	Female