

# Test Results

Order #: **2024040822**

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  
#2024040822

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

## Details

Sample(s) from: NULL

Collection Date  
11-Jul-2024

Arrival Date  
07-Aug-2024

Approval Date  
14-Aug-2024

## Notes

Lab. No. 2407T1 (AR5 Filter), Location: Conventional Experimental Holding Area – Laboratory Block, Li Ka Shing Faculty of Medicine (CA-FMB)

## 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](http://www.criver.com/info/disease_sheets).

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## Notes

Lab. No. 2407T1 (AR5 Filter), 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 14 Aug 2024

### UHK Mouse Quarantine PRIA

1  
2407T1,  
Rm.AR5

Astrovirus-1 PCR	-
Astrovirus-2 PCR	-
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	-
Rodent Chaphamaparvovirus 1 (MuCPV/MKPV 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	-
C. rodentium PCR	-
C. piliforme PCR	-

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## Notes

Lab. No. 2407T1 (AR5 Filter), 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 14 Aug 2024

#### UHK Mouse Quarantine PRIA (continued)

1  
2407T1,  
Rm.AR5

<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. heylli</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	-
<i>Mite</i> PCR	-

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## Notes

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## Molecular Diagnostics: Infectious

### Disease PCR

Results approved by Peck, DiAnne on 14 Aug 2024

#### UHK Mouse Quarantine PRIA (continued)

**1**  
2407T1,  
Rm.AR5

<b>Pinworm PCR</b>	-
<b>Pneumocystis PCR</b>	-
<b>Hexamastix muris PCR</b>	-
<b>Spirotrichomonas muris PCR</b>	-
<b>Tritrichomonas genus PCR</b>	-

#### 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. 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, and may produce false-negative results. 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. 2407T1 (AR5 Filter), Location: Conventional Experimental Holding Area – Laboratory Block, Li Ka Shing Faculty of Medicine (CA-FMB)

## Sample Information

Number	Code	Species	Colony	Age	Sex	Strain
1	2407T1, Rm.AR5	Mouse	n/d			

# Test Results

Order #: **2024046335**

LTM Customer ID: 38307  
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Research UHK

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10A Sassoon Road  
Pokfulam, HK 0 Hong Kong

## Billing Information

### Payment Method

Purchase Order PO#: Covering Invoice for  
#2024046335

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

## Details

Sample(s) from: NULL

### Collection Date

03-Sep-2024

### Arrival Date

19-Sep-2024

### Approval Date

26-Sep-2024

## Notes

Lab. No. 2409AR5B (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
Entamoeba PCR UHK Mouse Quarantine PRIA	n/d	1	1	0	0	0
H. bilis UHK Mouse Quarantine PRIA	n/d	1	1	0	0	0
H. bilis Helicobacter species specific assays	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

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## Notes

Lab. No. 2409AR5B (Interceptor), Location: Conventional Experimental Holding Area – Laboratory Block, Li Ka Shing Faculty of Medicine (CA-FMB)

## Diagnostic Summary

Test	Colony	Tested	+	+/-	?	PDG
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
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
Rodent Chaphamaparvovirus 1 (MuCPV/MKPV 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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## Molecular Diagnostics: Infectious

### Disease PCR

Results approved by Magan, Kyria on 26 Sep 2024

### UHK Mouse Quarantine PRIA

1  
2409AR5  
B

Astrovirus-1 PCR	+
Astrovirus-2 PCR	+
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	-
Rodent Chaphamaparvovirus 1 (MuCPV/MKPV 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	-
C. rodentium PCR	-
C. piliforme PCR	-



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## Molecular Diagnostics: Infectious

### Disease PCR

Results approved by Magan, Kyria on 26 Sep 2024

#### UHK Mouse Quarantine PRIA (continued)

1  
2409AR5  
B

<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	-
<i>Mite</i> PCR	-

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## Notes

Lab. No. 2409AR5B (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 26 Sep 2024

#### UHK Mouse Quarantine PRIA (continued)

1  
2409AR5  
B

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

#### Helicobacter species specific assays

1  
2409AR5  
B

<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

1  
2409AR5  
B

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

Remarks

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Lab. No. 2409AR5B (Interceptor), Location: Conventional Experimental Holding Area – Laboratory Block, Li Ka Shing Faculty of Medicine (CA-FMB)

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## Notes

Lab. No. 2409AR5B (Interceptor), Location: Conventional Experimental Holding Area – Laboratory Block, Li Ka Shing Faculty of Medicine (CA-FMB)

## Sample Information

Number	Code	Species	Colony	Age	Sex	Strain
1	2409AR5B	Mouse	n/d			IVC Sentinel/ ICR (CD-1)

# Test Results

Order #: **2024046488**

LTM Customer ID: 38307  
The University of Hong Kong  
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Research UHK

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## Billing Information

### Payment Method

Purchase Order PO#: Covering Invoice for  
#2024046488

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

## Details

Sample(s) from: NULL

### Collection Date

03-Sep-2024

### Arrival Date

19-Sep-2024

### Approval Date

24-Sep-2024

## Notes

Lab. No. 2409R201-2409R202, Location: Conventional Experimental Holding Area – Laboratory Block, Li Ka Shing Faculty of Medicine (CA-FMB)

## Diagnostic Summary

Test	Colony	Tested	+	+/-	?	PDG
IFA PCAR ("RRV")	n/d	2	2	0	0	0
MFIA PCAR ("RRV") UHK MFIA Rat Full Profile	n/d	2	1	1	0	0
MFIA RPyV2 (Rat Polyomavirus 2) UHK MFIA Rat Full Profile	n/d	2	2	0	0	0

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## Notes

Lab. No. 2409R201-2409R202, Location: Conventional Experimental Holding Area – Laboratory Block, Li Ka Shing Faculty of Medicine (CA-FMB)

## Serology

Results approved by Wunderlich, Janet on 24 Sep 2024

	<b>1</b> 2409R201, Rm.AR3	<b>2</b> 2409R202, Rm.AR3
<b>MFIA SEND</b>	-	-
<b>MFIA PVM</b>	-	-
<b>MFIA SDAV</b>	-	-
<b>MFIA KRV</b>	-	-
<b>MFIA H-1</b>	-	-
<b>MFIA RPV</b>	-	-
<b>MFIA RMV</b>	-	-
<b>MFIA NS-1</b>	-	-
<b>MFIA REO</b>	-	-
<b>MFIA RTV</b>	-	-
<b>MFIA MAV 1 &amp; 2</b>	-	-
<b>MFIA HTNV (HANT)</b>	-	-
<b>MFIA MPUL</b>	-	-
<b>MFIA ECUN</b>	-	-
<b>MFIA CARB (F. rodentium)</b>	-	-
<b>MFIA PCAR ("RRV")</b>	+	+/-
<b>MFIA CPIL</b>	-	-
<b>MFIA LCMV</b>	-	-
<b>MFIA IDIR (ROTA-B)</b>	-	-
<b>MFIA RPyV2 (Rat Polyomavirus 2)</b>	+	+
<b>MFIA Anti-Ig</b>	P	P
<b>IFA PCAR ("RRV")</b>	+	+

Serology Profile: UHK MFIA Rat Full Profile

Remarks

# Test Results

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Pokfulam, HK 0 Hong Kong

## Notes

Lab. No. 2409R201-2409R202, Location: Conventional Experimental Holding Area – Laboratory Block, Li Ka Shing Faculty of Medicine (CA-FMB)

### 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  $\geq 7000$ . 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](mailto:labservices@crl.com)) with questions about these interpretations.

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## Notes

Lab. No. 2409R201-2409R202, 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	2409R201, Rm.AR3	Rat	n/d	Sentinel/ CD(SD)IGS (Sprague Dawley)	Adult	Female
2	2409R202, Rm.AR3	Rat	n/d	Sentinel/ CD(SD)IGS (Sprague Dawley)	Adult	Female



# Test Results

Order #: **2024046336**

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

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10A Sassoon Road  
Pokfulam, HK 0 Hong Kong

## Billing Information

### Payment Method

Purchase Order PO#: Covering Invoice for  
#2024046336

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

## Details

Sample(s) from: NULL

### Collection Date

03-Sep-2024

### Arrival Date

19-Sep-2024

### Approval Date

24-Sep-2024

## Notes

Lab. No. 2409G301, Rm.E317 (Pathogen binder), Location: Conventional Experimental Holding Area, Dexter H.C. Man Building (CA-DMB)

## Diagnostic Summary

Test	Colony	Tested	+	+/-	?	PDG
Entamoeba PCR UHK Mouse Quarantine PRIA	n/d	1	1	0	0	0
H. bilis UHK Mouse Quarantine PRIA	n/d	1	1	0	0	0
H. bilis 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
P. mirabilis PCR UHK Mouse Quarantine PRIA	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

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# Test Results

Order #: **2024046336**

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. 2409G301, Rm.E317 (Pathogen binder), Location: Conventional Experimental Holding Area, Dexter H.C. Man Building (CA-DMB)

## Molecular Diagnostics: Infectious

### Disease PCR

Results approved by Peck, DiAnne on 24 Sep 2024

### UHK Mouse Quarantine PRIA

1  
2409G301,  
Rm.E317

Astrovirus-1 PCR	-
Astrovirus-2 PCR	-
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	-
Rodent Chaphamaparvovirus 1 (MuCPV/MKPV 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	-
C. rodentium PCR	-
C. piliforme PCR	-

# Test Results

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## Notes

Lab. No. 2409G301, Rm.E317 (Pathogen binder), Location: Conventional Experimental Holding Area, Dexter H.C. Man Building (CA-DMB)

## Molecular Diagnostics: Infectious

### Disease PCR

Results approved by Peck, DiAnne on 24 Sep 2024

#### UHK Mouse Quarantine PRIA (continued)

1  
2409G301,  
Rm.E317

<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 Virus</i> 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	-
<i>Mite</i> PCR	-

# Test Results

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## Notes

Lab. No. 2409G301, Rm.E317 (Pathogen binder), Location: Conventional Experimental Holding Area, Dexter H.C. Man Building (CA-DMB)

## Molecular Diagnostics: Infectious

### Disease PCR

Results approved by Peck, DiAnne on 24 Sep 2024

#### UHK Mouse Quarantine PRIA (continued)

1  
2409G301,  
Rm.E317

<i>Pinworm PCR</i>	-
<i>Pneumocystis PCR</i>	-
<i>Hexamastix muris PCR</i>	+
<i>Spiroucleus muris PCR</i>	-
<i>Tritrichomonas genus PCR</i>	+

#### Helicobacter species specific assays

1  
2409G301,  
Rm.E317

<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

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## Notes

Lab. No. 2409G301, Rm.E317 (Pathogen binder), 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.

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# Test Results

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10A Sassoon Road  
Pokfulam, HK 0 Hong Kong

## Notes

Lab. No. 2409G301, Rm.E317 (Pathogen binder), Location: Conventional Experimental Holding Area, Dexter H.C. Man Building (CA-DMB)

## Sample Information

Number	Code	Species	Colony	Age	Sex	Strain
1	2409G301, Rm.E317	Gerbil	n/d			

# Test Results

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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  
#2024046337

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

## Details

Sample(s) from: NULL

### Collection Date

03-Sep-2024

### Arrival Date

19-Sep-2024

### Approval Date

24-Sep-2024

## Notes

Lab. No. 2409H301, Rm.E317 (Pathogen binder), Location: Conventional Experimental Holding Area, Dexter H.C. Man Building (CA-DMB)

## Diagnostic Summary

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

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Wilmington MA 01887 USA

10A Sassoon Road  
Pokfulam, HK 0 Hong Kong

## Notes

Lab. No. 2409H301, Rm.E317 (Pathogen binder), Location: Conventional Experimental Holding Area, Dexter H.C. Man Building (CA-DMB)

## Molecular Diagnostics: Infectious

### Disease PCR

Results approved by Peck, DiAnne on 24 Sep 2024

### UHK Hamster Surveillance Plus PRIA

**1**  
2409H301,  
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	-



# Test Results

Order #: **2024046337**

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261 Ballardvale Street  
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Pokfulam, HK 0 Hong Kong

## Notes

Lab. No. 2409H301, Rm.E317 (Pathogen binder), Location: Conventional Experimental Holding Area, Dexter H.C. Man Building (CA-DMB)

## Molecular Diagnostics: Infectious

### Disease PCR

Results approved by Peck, DiAnne on 24 Sep 2024

#### UHK Hamster Surveillance Plus PRIA (continued)

1  
2409H301,  
Rm.E317

<b>Cryptosporidium PCR</b>	-
<b>Demodex PCR</b>	+
<b>Entamoeba PCR</b>	-
<b>E. cuniculi PCR</b>	-
<b>Giardia PCR</b>	-
<b>Mite PCR</b>	-
<b>Pinworm PCR</b>	-
<b>Spironucleus muris PCR</b>	-

#### Remarks

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# Test Results

Order #: **2024046337**

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261 Ballardvale Street  
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Wilmington MA 01887 USA

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Pokfulam, HK 0 Hong Kong

## Notes

Lab. No. 2409H301, Rm.E317 (Pathogen binder), Location: Conventional Experimental Holding Area, Dexter H.C. Man Building (CA-DMB)

## Sample Information

Number	Code	Species	Colony	Age	Sex	Strain
1	2409H301, Rm.E317	Hamster	n/d			

# Test Results

Order #: **2024046588**

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  
#2024046588

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

## Details

Sample(s) from: NULL

### Collection Date

21-Aug-2024

### Arrival Date

19-Sep-2024

### Approval Date

30-Sep-2024

## Notes

Lab No.2409F1-F15, 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	15	6	0	0	0
Mycobacterium chelonae PCR UHK Zebrafish Surveillance Plus PCR Panel	n/d	15	3	0	0	0
Mycobacterium fortuitum PCR UHK Zebrafish Surveillance Plus PCR Panel	n/d	15	1	0	0	0
Mycobacterium gordonae UHK Zebrafish Surveillance Plus PCR Panel	n/d	15	2	0	0	0

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# Test Results

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 The University of Hong Kong  
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 Research UHK

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 (CR RADS)  
 261 Ballardvale Street  
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 Wilmington MA 01887 USA

10A Sassoon Road  
 Pokfulam, HK 0 Hong Kong

## Notes

Lab No.2409F1-F15, Location: Conventional Experimental Holding Area, Dexter H.C. Man Building (CA-DMB)

## Molecular Diagnostics: Infectious

### Disease PCR

Results approved by Magan, Kyria on 30 Sep 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>
	2409F1, E210A_SPF _R1	2409F2, E210A_SPF _R2	2409F3, E210A_SPF _R2	2409F4, E210A_SPF _R3	2409F5, E210A_SPF _R3	2409F6, E210A_SPF _R4	2409F7, E210A_SPF _R4	2409F8, E210_MDA _R1	2409F9, E210_MDA _R1	2409F10, 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 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 hypessobryconis</i> PCR	-	-	-	-	-	-	-	-	-	-
<i>Pseudocapillaria tomentosa</i> PCR	-	-	-	-	-	-	-	-	-	-
<i>Pseudoloma neurophilia</i> PCR	-	-	-	-	-	-	-	-	-	-
<i>Saprolegnia brachydanis</i> PCR	-	-	-	-	-	-	-	-	-	-
<i>Zebrafish picornavirus</i>	-	-	-	-	-	-	-	-	-	-

# Test Results

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Pokfulam, HK 0 Hong Kong

## Notes

Lab No.2409F1-F15, Location: Conventional Experimental Holding Area, Dexter H.C. Man Building (CA-DMB)

## Molecular Diagnostics: Infectious

### Disease PCR

Results approved by Magan, Kyria on 30 Sep 2024

#### UHK Zebrafish Surveillance Plus PCR Panel (continued)

	<u>11</u>	<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>
	2409F11, E210_MDA _R2	2409F12, E210_MDA _R3	2409F13, E210_MDA _R4	2409F14, E212_Q_R1	2409F15, E212_Q_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 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 #: **2024046588**

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Research UHK

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10A Sassoon Road  
Pokfulam, HK 0 Hong Kong

## Notes

Lab No.2409F1-F15, Location: Conventional Experimental Holding Area, Dexter H.C. Man Building (CA-DMB)

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Pokfulam, HK 0 Hong Kong

## Notes

Lab No.2409F1-F15, Location: Conventional Experimental Holding Area, Dexter H.C. Man Building (CA-DMB)

## Sample Information

Number	Code	Species	Colony	Age	Sex	Strain
1	2409F1, E210A_SPF_R 1	Zebrafish	n/d			Sump swab
2	2409F2, E210A_SPF_R 2	Zebrafish	n/d			TU and AB
3	2409F3, E210A_SPF_R 2	Zebrafish	n/d			Sump swab
4	2409F4, E210A_SPF_R 3	Zebrafish	n/d			Casper and TU
5	2409F5, E210A_SPF_R 3	Zebrafish	n/d			Sump swab
6	2409F6, E210A_SPF_R 4	Zebrafish	n/d			Casper, TU and AB
7	2409F7, E210A_SPF_R 4	Zebrafish	n/d			Sump swab
8	2409F8, E210_MDA_R 1	Zebrafish	n/d			5649-21: Line 32 x2, Line 34 x1, Line 36 x1 and Line 37 x1
9	2409F9, E210_MDA_R 1	Zebrafish	n/d			Sump swab
10	2409F10, E210_MDA_R 2	Zebrafish	n/d			Casper x2, 5649-21: Line 32 x2, Line 34 x1
11	2409F11, E210_MDA_R 2	Zebrafish	n/d			Sump swab
12	2409F12, E210_MDA_R 3	Zebrafish	n/d			Sump swab

# Test Results

Order #: **2024046588**

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.2409F1-F15, Location: Conventional Experimental Holding Area, Dexter H.C. Man Building (CA-DMB)

## Sample Information

Number	Code	Species	Colony	Age	Sex	Strain
13	2409F13, E210_MDA_R 4	Zebrafish	n/d			Sump swab
14	2409F14, E212_Q_R1	Zebrafish	n/d			Sump swab
15	2409F15, E212_Q_R2	Zebrafish	n/d			Sump swab



# Test Results

Order #: **2024046477**

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

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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

Purchase Order PO#: Covering Invoice for  
#2024046477

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

## Details

Sample(s) from: NULL

### Collection Date

04-Sep-2024

### Arrival Date

19-Sep-2024

### Approval Date

25-Sep-2024

## Notes

Lab. No. 2409M501-2409M502, Location: Conventional Experimental Holding Area - Kadoorie Biological Sciences Building (CA-KA)

## Diagnostic Summary

Test	Colony	Tested	+	+/-	?	PDG
IFA MHV	n/d	2	1	0	0	0
MFIA MHV UHK MFIA Mouse Full Profile	n/d	2	1	0	0	0
MFIA MNV UHK MFIA Mouse Full Profile	n/d	2	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](http://www.criver.com/info/disease_sheets).

# Test Results

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10A Sassoon Road  
Pokfulam, HK 0 Hong Kong

## Notes

Lab. No. 2409M501-2409M502, Location: Conventional Experimental Holding Area - Kadoorie Biological Sciences Building (CA-KA)

## Serology

Results approved by Wunderlich, Janet on 25 Sep 2024

**1**                      **2**  
2409M501,    2409M502,  
Rm.8S22      Rm.8S22

	<b>1</b>	<b>2</b>
<b>MFIA SEND</b>	-	-
<b>MFIA PVM</b>	-	-
<b>MFIA MHV</b>	IN	+
<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
<b>IFA MHV</b>	-	+

Serology Profile: UHK MFIA Mouse Full Profile

Remarks

# Test Results

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Pokfulam, HK 0 Hong Kong

## Notes

Lab. No. 2409M501-2409M502, 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  $\geq 7000$ . 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](mailto:labservices@crl.com)) with questions about these interpretations.

# Test Results

Order #: **2024046477**

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Wilmington MA 01887 USA

10A Sassoon Road  
Pokfulam, HK 0 Hong Kong

## Notes

Lab. No. 2409M501-2409M502, Location: Conventional Experimental Holding Area - Kadoorie Biological Sciences Building (CA-KA)

## Sample Information

Number	Code	Species	Colony	Strain	Age	Sex
1	2409M501, Rm.8S22	Mouse	n/d	Sentinel/ ICR (CD-1)	Adult	Female
2	2409M502, Rm.8S22	Mouse	n/d	Sentinel/ ICR (CD-1)	Adult	Female