Test Results 2019038767 Order #:

LTM Customer ID: 38307 The University of Hong Kong U Hong Kong, Lab Animal Unit RADS/GTS 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 Attn: Mr. Kwong Ming Lam

**Billing Information** 

Payment Method University of Hong Kong Li Ka Shing Faculty Purchase Order PO#: 623032 10A Sassoon Road Pokfulam, HK 0 Hong Kong

Details

Sample(s) from: **NULL** 

Collection Date Arrival Date Approval Date 27-Aug-2019 06-Sep-2019 12-Sep-2019

**Notes** 

Lab. No. 1909SHM10, Location: Specific Pathogen Free Breeding Area- (SPFBA)

## Diagnostic Summary

Test	Colony	Tested	+	+/-	?	PDG
H. hepaticus	n/d	1	1	0	0	0
Helicobacter Screen PCR						
Helicobacter genus	n/d	1	1	0	0	0
Helicobacter Screen PCR						

+ = 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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10A Sassoon Road Pokfulam, HK 0 Hong Kong Attn: Mr. Kwong Ming Lam

#### **Notes**

Lab. No. 1909SHM10, Location: Specific Pathogen Free Breeding Area- (SPFBA)

# Molecular Diagnostics: Infectious Disease PCR

Results approved by Magan, Kyria on 12 Sep 2019

#### Helicobacter Screen PCR

	<b>1</b> 1909SHM10, Rm.209
Helicobacter genus	+
H. bilis	-
H. ganmani	-
H. hepaticus	+
H. mastomyrinus	-
H. rodentium	-
H. typhlonius	-

#### **Assays**

	<u>1</u> 1909SHM10, Rm.209
Streptobacillus moniliformis 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 can effect 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. 1909SHM10, Location: Specific Pathogen Free Breeding Area- (SPFBA)

## Sample Information

Number	Code	Species	Colony	Strain	Age	Sex
1	1909SHM10,	Mouse	n/d	Sentinel/	Adult	Female
	Rm.209			CBA/Ca		





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10A Sassoon Road Pokfulam, HK 0 Hong Kong Attn: Mr. Kwong Ming Lam

**Billing Information** 

Payment Method
Purchase Order
PU#: 623032
University of Hong Kong
Li Ka Shing Faculty
10A Sassoon Road
Pokfulam, HK 0 Hong Kong

Details

Sample(s) from: NULL

Collection DateArrival DateApproval Date26-Aug-201906-Sep-201912-Sep-2019

**Notes** 

Lab. No. 1909SHR1, Location: Specific Pathogen Free Breeding Area- (SPFBA)

**Diagnostic Summary** 

Test Colony Tested + +/- ? PDG

All results NEGATIVE

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

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10A Sassoon Road Pokfulam, HK 0 Hong Kong Attn: Mr. Kwong Ming Lam

#### **Notes**

Lab. No. 1909SHR1, Location: Specific Pathogen Free Breeding Area- (SPFBA)

# Molecular Diagnostics: Infectious Disease PCR

Results approved by Muise, Delia on 12 Sep 2019

#### Helicobacter Screen PCR

	<u>1</u>
	1909SHR1,
	Rm.220
Helicobacter genus	-
H. bilis	_
H. ganmani	_
H. hepaticus	-
H. mastomyrinus	-
H. rodentium	-
H. typhlonius	-

#### **Assays**

	<b>1</b> 1909SHR1, Rm.220
Streptobacillus moniliformis PCR	-

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**Notes** 

Lab. No. 1909SHR1, Location: Specific Pathogen Free Breeding Area- (SPFBA)

## Sample Information

Number	Code	Species	Colony	Strain	Age	Sex
1	1909SHR1, Rm.220	Rat	n/d	Sentinel/ CD(SD)IGS (Sprague Dawley)	Adult	Female





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**Billing Information** 

Payment Method
Purchase Order
PU#: 623032
University of Hong Kong
Li Ka Shing Faculty
10A Sassoon Road
Pokfulam, HK 0 Hong Kong

Details

Sample(s) from: NULL

Collection Date Arrival Date Approval Date 27-Aug-2019 06-Sep-2019 12-Sep-2019

**Notes** 

Lab. No. 1909PM1-1909PM2, Location: Specific Pathogen Free Breeding Area- (SPFBA)

**Diagnostic Summary** 

Test Colony Tested + +/- ? PDG

All results NEGATIVE

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

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Test Results 2019038768 Order #:

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10A Sassoon Road Pokfulam, HK 0 Hong Kong Attn: Mr. Kwong Ming Lam

#### **Notes**

Lab. No. 1909PM1-1909PM2, Location: Specific Pathogen Free Breeding Area- (SPFBA)

# Molecular Diagnostics: Infectious Disease PCR

Results approved by Muise, Delia on 12 Sep 2019

#### Assays

	<b>1</b> 1909PM1, Rm.209	<b>2</b> 1909PM2, Rm.209
Pneumocystis PCR	-	-

#### Remarks

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#### **Notes**

Lab. No. 1909PM1-1909PM2, Location: Specific Pathogen Free Breeding Area- (SPFBA)

## Sample Information

Number	Code	Species	Colony	Strain	Age	Sex
1	1909PM1,	Mouse	n/d	C57BL/6N	5-6 weeks	
	Rm.209					
2	1909PM2,	Mouse	n/d	C57BL/6N	5-6 weeks	
	Rm.209					





# **GLOSSARY OF TERMS**

Agent	Abbreviation	Family/Order	Subfam/Genus	Host Species*
Adenovirus	MAV, RAD	Adenoviridae	Mastadenovirus	M, R
Aleutian disease virus	ADV	Parvoviridae	Amdovirus	F
Cilia-associated respiratory bacillus	CARB	Unclassified	Unclassified	M, R, Rb
Clostridium piliforme	CPIL	Clostridaceae	Clostridium	M, R, Rb, F
Distemper virus	CDV	Paramyxoviridae	Morbillivirus	F
Ectromelia virus (Mousepox)	ECTRO	Poxviridae	Orthopoxvirus	M
Eimeria	EIM	Eimeriidae	Eimeria	Rb
Encephalitozoon cuniculi	ECUN	Pleistrophoridiae	Encephalitozoon	M, R, GP, H, Rb
Encephalomyocarditis virus	EMCV	Picornaviridae	Cardiovirus	M, R
Guinea pig adenovirus	GAV	Adenoviridae	Mastadenovirus	GP
Suinea pig cytomegalovirus	GpCMV	Herpesviridae	Betaherpesvirus	GP
lantaan	HTNV (HANT)	Bunyaviridae	Hantavirus	M, R
nfectious pancreatic necrosis virus	IPNV	Birnaviridae	Aquabirnavirus	Z
nfectious spleen and kidney necrosis virus	ISKNV	Iridoviridae	Megalocytivirus	Z
nfluenza A virus	INFA	Orthomyxoviridae	Influenzavirus A	F
ilham rat virus	KRV	Parvoviridae	Parvovirus	R
actate dehydrogenase-elevating virus	LDV/LDH	Arteriviridae	Arterivirus	M
ungan virus	LV	Picornaviridae	Parechovirus	R
ymphocytic choriomeningitis virus	LCMV	Arenaviridae	Arenavirus	M, R, GP, H
linute virus of mice	MVM	Parvoviridae	Parvovirus	M
louse cytomegalovirus	MCMV	Herpesviridae	Betaherpesvirus	M
louse hepatitis virus	MHV	Coronaviridae	Coronavirus	М
louse parvovirus	MPV-1/-2/-5	Parvoviridae	Parvovirus	M
louse pneumonitis virus	K	Polyomaviridae	Polyomavirus	M
louse thymic virus	MTLV	Herpesviridae	Unclassified	M
urine norovirus	MNV	Caliciviridae	Norovirus	M
urine rotavirus	EDIM/ROTA-A	Reoviridae	Rotavirus	M
lycoplasma arthritidis	MARTH	Mycoplasmataceae	Mycoplasma	M, R
fycoplasma pulmonis	MPUL	Mycoplasmataceae	Mycoplasma	M, R
fyxomatosis virus	MYXO	Poxviridae	Leporipoxirus	Rb
arainfluenza virus (type 1)	PIV-1	Paramyxoviridae	Respirovirus	Rb
arainfluenza virus (type 1)	PIV-2	Paramyxoviridae	Rubulavirus	Rb
arainfluenza virus (type 2)	PIV-3	Paramyxoviridae	Respirovirus	GP
arainfluenza virus (type 5)	PIV-5	Paramyxoviridae	Rubulavirus	GP, H
arvovirus NS-1	NS-1		Parvovirus	M, R
	PCAR	Parvoviridae		R R
neumocystis carinii	PVM	Pneumocystidaceae	Pneumocystis	M, R, GP, H
neumonia virus of mice		Paramyxoviridae	Pneumovirus	M, H, GP, H
olyoma virus	POLY	Polyomaviridae	Polyomavirus	
rospect Hill virus	PHV	Bunyaviridae	Hantavirus	M
abbit adenovirus	RbAV	Adenoviridae	Mastadenovirus	Rb
abbit hemorrhagic disease virus	RHDV	Caliciviridae	Lagovirus	Rb
abbit rotavirus	ROTA	Reoviridae	Rotavirus	Rb
at coronavirus/sialodacryoadentitis virus	RCV, SDAV	Coronaviridae	Coronavirus	R
at cytomegalovirus	RCMV	Herpesviridae	Betaherpesvirus	R
at minute virus	RMV	Parvoviridae	Parvovirus	R
at parvovirus	RPV	Parvoviridae	Parvovirus	R
at polyomavirus	RatPyV2/RPyV2	Polyomaviridae	Unclassified	R
at rotavirus (infectious diarrhea of infant rats)	IDIR/ROTA-B	Reoviridae	Rotavirus	R
at theilovirus (Theiler's-like virus of rats)	RTV	Picornaviridae	Theilovirus	R
eovirus	REO	Reoviridae	Orthoreovirus	M, R, GP, H
abbit picobirnavirus	RPBV	Picobirnaviridae	Picobirnavirus	Rb
endai virus	SEND	Paramyxoviridae	Respirovirus	M, R, GP, H
eoul virus	SEO	Bunyaviridae	Hantavirus	M, R
heiler's murine encephalomyelitis virus	TMEV (GDVII)	Picornaviridae	Cardiovirus	M, R
polan's H-1 virus	H-1	Parvoviridae	Parvovirus	R
oxoplasma gondii	TOXO	Sarcocystidae	Toxoplasma	Rb
OXODIASITIA GOTTAII				

<sup>\*</sup> Species: M = mouse, R = rat, GP = guinea pig, H = hamster, Rb = rabbit, F = ferret, Z = zebrafish

Agent	Abbreviation	Family/Order	Subfam/Genus	Host Species Simian	
Epstein-Barr virus	EBV	Herpesviridae	Lymphocryptovirus		
Hepatitis A	HEP-A	Picornaviridae	Hepatovirus	Simian	
Herpes B virus	HBV	Herpesviridae	Alphaherpesvirus	Simian	
Herpes virus papio-2	HVP-2	Herpesviridae	Alphaherpesvirus	Simian	
Lymphocryptovirus	LCV	Herpesviridae	Lymphocryptovirus	Simian	
Macaque (Rhesus) rhadinovirus	MRV	Herpesviridae	Rhadinovirus	Simian	
Malaria (Plasmodium)	MAL	Plasmodiidae	Plasmodium	Simian	
Measles virus	MV	Paramyxoviridae	Morbillivirus	Simian	
Parainfluenza virus (type 5)	PIV-5 (SV-5)	Paramyxoviridae	Rubulavirus	Simian	
Simian agent 8	SA-8	Herpesviridae	Simplexvirus	Simian	
Simian cytomegalovirus	SCMV/CMV	Herpesviridae	Cytomegalovirus	Simian	
Simian foamy virus	SFV	Retroviridae	Spumavirus	Simian	
Simian immunodeficiency virus	SIV	Retroviridae	Lentivirus	Simian	
Simian rotavirus	SA-11	Reoviridae	Rotavirus	Simian	
Simian T-lymphotropic virus	STLV	Retroviridae	Deltaretrovirus	Simian	
Simian type D retrovirus	SRV	Retroviridae	Betaretrovirus	Simian	
Simian varicella virus	SVV	Herpesviridae	Varicellovirus	Simian	
Simian virus 40	SV-40	Polyomaviridae	Polyomavirus	Simian	
Trypanosoma cruzi (Chagas Disease)	T. cruzi/CHA	Trypanosomatidae	Trypanosoma	Simian	