Test Results

Order #: 2019038769

LTM Customer ID: 38307
The University of Hong Kong
U Hong Kong, Lab Animal Unit RADS/GTS

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

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#: 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*
28-Aug-2019	06-Sep-2019	12-Sep-2019

Notes

Lab. No. 1909HM116, Location: Minimal Disease Experimental Holding Area – LAU Building (MDA-LAU Bldg)

Diagnostic Summary

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

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

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Notes

Lab. No. 1909HM116, Location: Minimal Disease Experimental Holding Area – LAU Building (MDA-LAU Bldg)

Molecular Diagnostics: Infectious Disease PCR

Results approved by Magan, Kyria on 12 Sep 2019

Helicobacter Screen PCR

	1 1909HM116, Rm.107
Helicobacter genus	+
H. bilis	-
H. ganmani	-
H. hepaticus	+
H. mastomyrinus	+
H. rodentium	-
H. typhlonius	+

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. 1909HM116, Location: Minimal Disease Experimental Holding Area – LAU Building (MDA-LAU Bldg)

Sample Information

Number	*Code*	*Species*	*Colony*	*Strain*	*Age*	*Sex*
1	1909HM116, Rm.107	Mouse	n/d	Resident		

Test Results

Order #: 2019038770

LTM Customer ID: 38307
The University of Hong Kong
U Hong Kong, Lab Animal Unit RADS/GTS

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

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Wilmington MA 01887 USA

Billing Information

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Purchase Order PO#: 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*
28-Aug-2019	06-Sep-2019	12-Sep-2019

Notes

Lab. No. 1909SM116, Location: Minimal Disease Experimental Holding Area – LAU Building (MDA-LAU Bldg)

Diagnostic Summary

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

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

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Test Results

Order #: 2019038770

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Wilmington MA 01887 USA

Notes

Lab. No. 1909SM116, Location: Minimal Disease Experimental Holding Area – LAU Building (MDA-LAU Bldg)

Molecular Diagnostics: Infectious Disease PCR

Results approved by Muise, Delia on 12 Sep 2019

Assays

	1 1909SM116, Rm.107
Streptobacillus moniliformis PCR	**-**

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Test Results

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Notes

Lab. No. 1909SM116, Location: Minimal Disease Experimental Holding Area – LAU Building (MDA-LAU Bldg)

Sample Information

Number	*Code*	*Species*	*Colony*	*Strain*	*Age*	*Sex*
1	1909SM116, Rm.107	Mouse	n/d	Sentinel/ ICR (CD-1)	Adult	Female

Test Results

Order #: 2019038771

LTM Customer ID: 38307
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Attn: Mr. Kwong Ming Lam

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Billing Information

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Purchase Order PO#: 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*
28-Aug-2019	06-Sep-2019	12-Sep-2019

Notes

Lab. No. 1909PM101-1909PM114, Location: Minimal Disease Experimental Holding Area – LAU Building (MDA-LAU Bldg)

Diagnostic Summary

Test	*Colony*	**Tested**	**+**	**+/-**	**?**	**PDG**
Pneumocystis PCR	n/d	14	**1**	0	0	0

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Test Results

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Wilmington MA 01887 USA

Notes

Lab. No. 1909PM101-1909PM114, Location: Minimal Disease Experimental Holding Area – LAU Building (MDA-LAU Bldg)

Molecular Diagnostics: Infectious Disease PCR

Results approved by Magan, Kyria on 12 Sep 2019

Assays

	1 1909PM101, Rm.118	2 1909PM102, Rm.118	3 1909PM103, Rm.118	4 1909PM104, Rm.118	5 1909PM105, Rm.118	6 1909PM106, Rm.118	7 1909PM107, Rm.112	8 1909PM108, Rm.112	9 1909PM109, Rm.110	10 1909PM110, Rm.110
Pneumocystis PCR	-	-	-	-	-	-	+	-	-	-

	11 1909PM111, Rm.111	12 1909PM112, Rm.111	13 1909PM113, Rm.124	14 1909PM114, Rm.124
Pneumocystis PCR	-	-	-	-

Remarks
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Notes

Lab. No. 1909PM101-1909PM114, Location: Minimal Disease Experimental Holding Area – LAU Building (MDA-LAU Bldg)

Sample Information

Number	*Code*	*Species*	*Colony*	*Strain*	*Age*	*Sex*
1	1909PM101, Rm.118	Mouse	n/d	NOD.Cg-Prkdcscidll2rgtm1Wjl/SzJ (NSG)	5-6 weeks	
2	1909PM102, Rm.118	Mouse	n/d	NOD.Cg-Prkdcscidll2rgtm1Wjl/SzJ (NSG)	5-6 weeks	
3	1909PM103, Rm.118	Mouse	n/d	NOD.CB17-Prkdcscid/J (NOD SCID)	5-6 weeks	
4	1909PM104, Rm.118	Mouse	n/d	NOD.CB17-Prkdcscid/J (NOD SCID)	5-6 weeks	
5	1909PM105, Rm.118	Mouse	n/d	BALB/cAnN-nu (Nude/+)	5-6 weeks	
6	1909PM106, Rm.118	Mouse	n/d	BALB/cAnN-nu (Nude/+)	5-6 weeks	
7	1909PM107, Rm.112	Mouse	n/d	Resident	5-6 weeks	
8	1909PM108, Rm.112	Mouse	n/d	Resident	5-6 weeks	
9	1909PM109, Rm.110	Mouse	n/d	Resident	5-6 weeks	
10	1909PM110, Rm.110	Mouse	n/d	Resident	5-6 weeks	
11	1909PM111, Rm.111	Mouse	n/d	Resident	5-6 weeks	
12	1909PM112, Rm.111	Mouse	n/d	Resident	5-6 weeks	
13	1909PM113, Rm.124	Mouse	n/d	Resident	5-6 weeks	
14	1909PM114, Rm.124	Mouse	n/d	Resident	5-6 weeks	

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
Guinea pig cytomegalovirus	GpCMV	Herpesviridae	Betaherpesvirus	GP
Hantaan	HTNV (HANT)	Bunyaviridae	Hantavirus	M, R
Infectious pancreatic necrosis virus	IPNV	Birnaviridae	Aquabirnavirus	Z
Infectious spleen and kidney necrosis virus	ISKNV	Iridoviridae	Megalocytivirus	Z
Influenza A virus	INFA	Orthomyxoviridae	Influenzavirus A	F
Kilham rat virus	KRV	Parvoviridae	Parvovirus	R
Lactate dehydrogenase-elevating virus	LDV/LDH	Arteriviridae	Arterivirus	M
Ljungan virus	LV	Picornaviridae	Parechovirus	R
Lymphocytic choriomeningitis virus	LCMV	Arenaviridae	Arenavirus	M, R, GP, H
Minute virus of mice	MVM	Parvoviridae	Parvovirus	M
Mouse cytomegalovirus	MCMV	Herpesviridae	Betaherpesvirus	M
Mouse hepatitis virus	MHV	Coronaviridae	Coronavirus	M
Mouse parvovirus	MPV-1/-2/-5	Parvoviridae	Parvovirus	M
Mouse pneumonitis virus	K	Polyomaviridae	Polyomavirus	M
Mouse thymic virus	MTLV	Herpesviridae	Unclassified	M
Murine norovirus	MNV	Caliciviridae	Norovirus	M
Murine rotavirus	EDIM/ROTA-A	Reoviridae	Rotavirus	M
Mycoplasma arthritidis	MARTH	Mycoplasmataceae	Mycoplasma	M, R
Mycoplasma pulmonis	MPUL	Mycoplasmataceae	Mycoplasma	M, R
Myxomatosis virus	MYXO	Poxviridae	Leporipoxirus	Rb
Parainfluenza virus (type 1)	PIV-1	Paramyxoviridae	Respirovirus	Rb
Parainfluenza virus (type 2)	PIV-2	Paramyxoviridae	Rubulavirus	Rb
Parainfluenza virus (type 3)	PIV-3	Paramyxoviridae	Respirovirus	GP
Parainfluenza virus (type 5)	PIV-5	Paramyxoviridae	Rubulavirus	GP, H
Parvovirus NS-1	NS-1	Parvoviridae	Parvovirus	M, R
Pneumocystis carinii	PCAR	Pneumocystidaceae	Pneumocystis	R
Pneumonia virus of mice	PVM	Paramyxoviridae	Pneumovirus	M, R, GP, H
Polyoma virus	POLY	Polyomaviridae	Polyomavirus	M
Prospect Hill virus	PHV	Bunyaviridae	Hantavirus	M
Rabbit adenovirus	RbAV	Adenoviridae	Mastadenovirus	Rb
Rabbit hemorrhagic disease virus	RHDV	Caliciviridae	Lagovirus	Rb
Rabbit rotavirus	ROTA	Reoviridae	Rotavirus	Rb
Rat coronavirus/sialodacryoadentitis virus	RCV, SDAV	Coronaviridae	Coronavirus	R
Rat cytomegalovirus	RCMV	Herpesviridae	Betaherpesvirus	R
Rat minute virus	RMV	Parvoviridae	Parvovirus	R
Rat parvovirus	RPV	Parvoviridae	Parvovirus	R
Rat polyomavirus	RatPyV2/RPyV2	Polyomaviridae	Unclassified	R
Rat rotavirus (infectious diarrhea of infant rats)	IDIR/ROTA-B	Reoviridae	Rotavirus	R
Rat theilovirus (Theiler's-like virus of rats)	RTV	Picornaviridae	Theilovirus	R
Reovirus	REO	Reoviridae	Orthoreovirus	M, R, GP, H
Rabbit picobirnavirus	RPBV	Picobirnaviridae	Picobirnavirus	Rb
Sendai virus	SEND	Paramyxoviridae	Respirovirus	M, R, GP, H
Seoul virus	SEO	Bunyaviridae	Hantavirus	M, R
Theiler's murine encephalomyelitis virus	TMEV (GDVII)	Picornaviridae	Cardiovirus	M, R
Toolan's H-1 virus	H-1	Parvoviridae	Parvovirus	R
Toxoplasma gondii	TOXO	Sarcocystidae	Toxoplasma	Rb
Treponema paraluis-cuniculi	TREP	Spirochaetales	Treponema	Rb

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

Agent	Abbreviation	Family/Order	Subfam/Genus	Host Species
Epstein-Barr virus	EBV	Herpesviridae	Lymphocryptovirus	Simian
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