

FINAL REPORT OF LABORATORY EXAMINATION

4011 Discovery Drive, Columbia, MO 65201

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IDEXX BioResearch Case # 32775-2016

**Received: 12/7/2016
Completed: 12/13/2016**

Submitted By

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Specimen Description

Species: mouse
Description: Live Mice
Number of Specimens/Animals: 4
Building/Facility: W113

Client ID	Investigator	Room #	Strain /Breed	Sex	Age	Rack
1	Bryda	W113	CD-1	F	Adult	2
2	Bryda	W113	CD-1	F	Adult	3
3	Bryda	W113	CD-1	F	Adult	4
4	Bryda	W113	CD-1	F	Adult	5

Services/Tests Performed: Rederivation Necropsy Profile

Serologic evaluation for antibodies to: *Clostridium piliforme*, *Mycoplasma pulmonis*, CAR bacillus, Ectromelia, EDIM, LCMV, LDEV, MAV1, MAV2, MCMV, MHV, MNV, MPV, MVM, Polyoma, PVM, REO3, Sendai, TMEV, *Encephalitozoon cuniculi*

PCR evaluation for: *Helicobacter bilis*, *Helicobacter ganmani*, *Helicobacter hepaticus*, *Helicobacter mastomyrinus*, *Helicobacter rodentium*, *Helicobacter spp.*, *Helicobacter typhlonius*, *Mycoplasma pulmonis*

Parasitologic evaluation for: fur mites, mesostigmatid mites, lice, *Spironucleus muris*, *Giardia muris*, large intestinal flagellates and amoeba, pinworms and tapeworms

Microbiologic evaluation for: *Citrobacter rodentium*, *Corynebacterium kutscheri*, *Klebsiella oxytoca*, *Klebsiella pneumoniae*, *Pasteurella multocida*, *Pasteurella pneumotropica* biotype Heyl, *Pasteurella pneumotropica* biotype

Jawetz, *Salmonella enterica*, *Streptococcus pneumoniae*

General Comments: CB: Sentinels placed on 9/5/2016.

Summary: All test results were negative. Please see the report for details.

NECROPSY

No gross lesions were detected in any of the body systems and organs examined.

SEROLOGY SUMMARY

	1	2	3	4
CAR bacillus	-	-	-	-
<i>Encephalitozoon cuniculi</i>	-	-	-	-
Ectromelia	-	-	-	-
EDIM	-	-	-	-
LCMV	-	-	-	-
LDEV	-	-	-	-
<i>Mycoplasma pulmonis</i>	-	-	-	-
MAV1	-	-	-	-
MAV2	-	-	-	-
MCMV	-	-	-	-
MHV	-	-	-	-
MNV	-	-	-	-
MPV	-	-	-	-
MVM	-	-	-	-
Polyoma	-	-	-	-
PVM	-	-	-	-
REO3	-	-	-	-
TMEV	-	-	-	-
Sendai	-	-	-	-
<i>Clostridium piliforme</i>	-	-	-	-
Mouse IgG	N	N	N	N

Legend: + = positive - = negative blank = test not performed EQ = equivocal HE = hemolysis precluded testing I = insufficient W = weak positive WB = Western Blot confirmatory analysis pending NS = non-specific reactivity N = normal IgG L = less than normal IgG

PCR EVALUATION

feces	1	2	3	4
<i>Helicobacter</i> spp.	-	-	-	-
<i>Helicobacter bilis</i>	-	-	-	-
<i>Helicobacter ganmani</i>	-	-	-	-
<i>Helicobacter hepaticus</i>	-	-	-	-
<i>Helicobacter mastomyrinus</i>	-	-	-	-
<i>Helicobacter rodentium</i>	-	-	-	-
<i>Helicobacter typhlonius</i>	-	-	-	-

oral swab	1	2	3	4
<i>Mycoplasma pulmonis</i>	-	-	-	-

Legend: + = positive - = negative id:id = pooled sample range id+id+id = non-range pooled sample NT or blank = no test performed wps = weak positive

PARASITOLOGY

	1	2	3	4
parasites	-	-	-	-

MICROBIOLOGY

Specimen/Source: cecum

Isolate	1	2	3	4
<i>Citrobacter rodentium</i>	-	-	-	-
<i>Klebsiella oxytoca</i>	-	-	-	-
<i>Klebsiella pneumoniae</i>	-	-	-	-
<i>Salmonella enterica</i>	-	-	-	-

Specimen/Source: nasopharynx

Isolate	1	2	3	4
<i>Corynebacterium kutscheri</i>	-	-	-	-
<i>Pasteurella multocida</i>	-	-	-	-
<i>Pasteurella pneumotropica</i> biotype Heyl	-	-	-	-
<i>Pasteurella pneumotropica</i> biotype Jawetz	-	-	-	-
<i>Streptococcus pneumoniae</i>	-	-	-	-

Legend: + = agent recovered - = agent not recovered blank = test not performed n = no growth X = Preliminary



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SEROLOGY DETAILS

	Baseline	1	2	3	4
CAR bacillus					
CAR bacillus purified bacteria	MFI > 3.750	-	-	-	-
Encephalitozoon cuniculi					
<i>E. cuniculi</i> purified protozoa	MFI > 1.200	-	-	-	-
Ectromelia					
Ectromelia purified virus	MFI > 1.100	-	-	-	-
EDIM					
EDIM purified virus	MFI > 4.000	-	-	-	-
EDIM VP6 recombinant	MFI > 2.500	-	-	-	-
LCMV					
LCMV recombinant	MFI > 3.000	-	-	-	-
LDEV					
LDEV	MFI > 3.900	-	-	-	-
Mycoplasma pulmonis					
<i>M. pulmonis</i> purified bacteria	MFI > 2.250	-	-	-	-
MAV1					
MAV1 purified virus	MFI > 3.750	-	-	-	-
MAV2					
MAV2 purified virus	MFI > 4.275	-	-	-	-
MCMV					
MCMV purified virus	MFI > 3.500	-	-	-	-
MHV					
MHV purified virus	MFI > 3.000	-	-	-	-
MHV NC recombinant	MFI > 2.500	-	-	-	-
MNV					
MNV purified virus	MFI > 2.500	-	-	-	-
MNV VP1 recombinant	MFI > 3.750	-	-	-	-
MPV					
MPV VP2 recombinant	MFI > 2.000	-	-	-	-

	Baseline	1	2	3	4
NS1 ¹	MFI > 3.750	-	-	-	-
MVM					
MVM VP2 recombinant	MFI > 2.000	-	-	-	-
NS1 ¹	MFI > 3.750	-	-	-	-
Polyoma					
Polyoma purified virus	MFI > 3.750	-	-	-	-
PVM					
PVM purified virus	MFI > 2.500	-	-	-	-
REO3					
REO3 purified virus	MFI > 4.900	-	-	-	-
TMEV					
TMEV purified virus	MFI > 2.250	-	-	-	-
RTV purified virus	MFI > 2.750	-	-	-	-
Sendai					
Sendai purified virus	MFI > 3.750	-	-	-	-
<i>Clostridium piliforme</i>					
<i>Clostridium piliforme</i> purified bacteria	MFI > 4.950	-	-	-	-

NS1¹: NS1 protein is highly conserved among rodent parvoviruses and thus serves as a generic assay for parvovirus seroconversion.

Legend: + = positive - = negative blank = test not performed EQ = equivocal HE = hemolysis precluded testing I = insufficient W = weak positive WB = Western Blot confirmatory analysis pending NS = non-specific reactivity N = normal IgG L = less than normal IgG Positive MFI results are reported as "+" followed by a number from 1 to 33 in thousands rounded off to the nearest thousand.

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IDEXX BioResearch Case # 33651-2016

Received: 12/15/2016
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Specimen Description

Species: mouse/rat
 Description: Fur Mite swabs
 Number of Specimens/Animals: 2
 Building/Facility: Discovery Ridge
 Area: W113

ID	Client ID	Investigator	Room #	Strain /Breed	Sex	Rack
1	Fur mite swab	Bryda	W113	Mouse/ Rat	U	1
2	Fur mite swab	Bryda	W113	Mouse/ Rat	U	2-5

Services/Tests Performed: Fur Mite - PCR

PCR evaluation for: *Myocoptes*, *Radfordia*/*Myobia*

General Comments: AO Quarterly PCR fur mite testing.

Summary: All test results were negative.

PCR EVALUATION

pelt swab	1	2
<i>Mycoptes</i>	-	-
<i>Radfordia/Myobia</i>	-	-

Legend: + = positive - = negative id:id = pooled sample range id+id+id = non-range pooled sample NT or blank = no test performed wps = weak positive