

FINAL REPORT OF LABORATORY EXAMINATION

4011 Discovery Drive, Columbia, MO 65201

1-800-669-0825 1-573-499-5700

idxxbioresearch@idexx.com www.idexxbioresearch.com

IDEXX BioResearch Case # 23716-2016

Received: 8/31/2016

Completed: 9/6/2016

Submitted By

Resource Center Animals-MMRRC
University of Missouri-RCA-MMRRC
Columbia, MO 65201

Phone: 573-884-7970
Email: bethunec@missouri.edu;
RhoadesJN@missouri.edu; watermanjd@missouri.edu;
boltec@missouri.edu; dixonl@missouri.edu;
oneilla@missouri.edu; occonnore@missouri.edu;
mcdowellm@missouri.edu

Referred By

Craig Franklin
University of Missouri-Franklin
Veterinary Pathobiology
4011 Discovery Drive
Columbia, MO 65201

Fax: [573] 884=7521
Email: FranklinC@missouri.edu

Specimen Description

Species: mouse
Description: Live Mice
Number of Specimens/Animals: 5
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
5	Bryda	W113	CD-1	F	Adult	6

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: Quarterly sentinels placed on June 1, 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	5
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	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	5
<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	5
<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	5
parasites	-	-	-	-	-

MICROBIOLOGY

Specimen/Source: cecum

Isolate	1	2	3	4	5
<i>Citrobacter rodentium</i>	-	-	-	-	-
<i>Klebsiella oxytoca</i>	-	-	-	-	-
<i>Klebsiella pneumoniae</i>	-	-	-	-	-
<i>Salmonella enterica</i>	-	-	-	-	-

Specimen/Source: nasopharynx

Isolate	1	2	3	4	5
<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

FINAL REPORT OF LABORATORY EXAMINATION

4011 Discovery Drive, Columbia, MO 65201

1-800-669-0825 1-573-499-5700

idxxbioresearch@idexx.com www.idexxbioresearch.com

IDEXX BioResearch Case # 24333-2016

**Received: 9/7/2016
Completed: 9/12/2016**

Submitted By

Resource Center Animals-MMRRC
University of Missouri-RCA-MMRRC
Columbia, MO 65201

Phone: 573-884-7970
Email: bethunec@missouri.edu;
RhoadesJN@missouri.edu; watermanjd@missouri.edu;
boltec@missouri.edu; dixonl@missouri.edu;
oneilla@missouri.edu; oconnore@missouri.edu;
mcdowellm@missouri.edu

Referred By

Craig Franklin
University of Missouri-Franklin
Veterinary Pathobiology
4011 Discovery Drive
Columbia, MO 65201

Fax: [573] 884=7521
Email: FranklinC@missouri.edu

Specimen Description

Species: mouse/rat
Description: Swabs
Number of Specimens/Animals: 2
Building/Facility: W113

Client ID	Investigator	Room #	Rack
A	Bryda	W113	2-5
B	Bryda	W113	1

Services/Tests Performed: Fur Mite

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

General Comments: CB: Quarterly PCR fur mite testing.

Summary: All test results were negative.

PCR EVALUATION

skin swab	A	B
<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