



FINAL REPORT OF LABORATORY EXAMINATION

4011 Discovery Drive, Columbia, MO 65201

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

idexxbioresearch@idexx.com

www.idexxbioresearch.com

IDEXX BioResearch Case # 18694-2017

Received: 6/21/2017

Completed: 6/28/2017

Submitted By

Justin Wilson
University of Missouri-Wilson
1720 E. Campus Loop
Columbia, MO 65211

Phone: 573-884-2524
Email: wilsonjus@missouri.edu; oconnore@missouri.edu;
kortes@missouri.edu; gentrybe@missouri.edu

Specimen Description

Species: mouse
Description: Live sentinel mice
Number of Specimens/Animals: 10
Building/Facility: Discovery Ridge
Area: 113 / 116

Table with 9 columns: Client ID, Addl ID, Investigator, Room #, Strain /Breed, Sex, Age, Rack, Date Placed. Contains 10 rows of specimen data.

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:** Disco - Q2 Sentinel mice, 'A' Rooms, rederivation necropsy

**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	6	7	8	9	10
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	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	6	7	8	9	10
<i>Helicobacter</i> spp.	-	-	-	-	-	-	-	-	-	-
<i>Helicobacter bilis</i>	-	-	-	-	-	-	-	-	-	-
<i>Helicobacter ganmani</i>	-	-	-	-	-	-	-	-	-	-
<i>Helicobacter hepaticus</i>	-	-	-	-	-	-	-	-	-	-
<i>Helicobacter mastomyrinus</i>	-	-	-	-	-	-	-	-	-	-
<i>Helicobacter rodentium</i>	-	-	-	-	-	-	-	-	-	-

feces	1	2	3	4	5	6	7	8	9	10
<i>Helicobacter typhlonius</i>	-	-	-	-	-	-	-	-	-	-

oral swab	1	2	3	4	5	6	7	8	9	10
<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	6	7	8	9	10
parasites	-	-	-	-	-	-	-	-	-	-

## MICROBIOLOGY

Specimen/Source: cecum

Isolate	1	2	3	4	5	6	7	8	9	10
<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	6	7	8	9	10
<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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**IDEXX BioResearch Case # 18707-2017**

**Received: 6/22/2017  
Completed: 6/23/2017**

**Submitted By**

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

Phone: 573-884-7970  
Email: HoffmanAI@missouri.edu;  
watermanjd@missouri.edu; dixonl@missouri.edu;  
oneilla@missouri.edu; oconnore@missouri.edu;  
mcdowellm@missouri.edu; RhoadesJN@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  
Number of Specimens/Animals: 1  
Building/Facility: Discovery Ridge  
Area: W113

Client ID	Investigator	Room #	Sex
Mouse fur mice swab	Bryda	W113	U

**Services/Tests Performed: Fur Mite**

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

**General Comments:** AOQuarterly fur mite testing

**Summary:** All test results were negative.

## PCR EVALUATION

pelt swab	Mouse fur mice swab
<i>Myocoptes</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

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**IDEXX BioResearch Case # 18709-2017**

**Received: 6/22/2017**

**Completed: 6/23/2017**

**Submitted By**

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

Phone: 573-884-7970  
Email: HoffmanAI@missouri.edu;  
watermanjd@missouri.edu; dixonl@missouri.edu;  
oneilla@missouri.edu; oconnore@missouri.edu;  
mcdowellm@missouri.edu; RhoadesJN@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: 5 mouse fur mite swabs  
Number of Specimens/Animals: 5  
Building/Facility: Discovery Ridge  
Area: W116

Client ID	Investigator	Room #	Sex
Rack 1	Bryda	W116	U
Rack 2	Bryda	W116	U
Rack 3	Bryda	W116	U
Rack4	Bryda	W116	U
Rack5-6	Bryda	W116	U

**Services/Tests Performed: Fur Mite**

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

**General Comments:** AOQuarterly fur mite testing

**Summary:** All test results were negative.

## PCR EVALUATION

pelt swab	Rack 1	Rack 2	Rack 3	Rack4	Rack5-6
<i>Myocoptes</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