

FINAL REPORT OF LABORATORY EXAMINATION

4011 Discovery Drive, Columbia, MO 65201

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IDEXX BioResearch Case # 18695-2017

**Received: 6/21/2017
Completed: 6/28/2017**

Submitted By

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Specimen Description

Species: rat
Description: Live sentinel rats
Number of Specimens/Animals: 13
Building/Facility: Discovery Ridge
Area: 112 / 113 / 114

Client ID	Addl ID	Investigator	Room #	Strain /Breed	Sex	Age	Rack	Date Placed
1	112-A	Bryda	112	CD	F	2mo	1	3/6/2017
2	112-B	Bryda	112	CD	F	2mo	2	3/6/2017
3	112-C	Bryda	112	CD	F	2mo	3	3/6/2017
4	112-D	Bryda	112	CD	F	2mo	4	3/6/2017
5	112-E	Bryda	112	CD	F	2mo	5	3/6/2017
6	112-F	Bryda	112	CD	F	2mo	6	3/6/2017
7	112-G	Bryda	112	CD	F	2mo	7	3/6/2017
8	113-A	Bryda	113	CD	F	2mo	2	3/6/2017
9	114-A	Bryda	114	CD	F	2mo	1	3/6/2017
10	114-B	Bryda	114	CD	F	2mo	2	3/6/2017
11	114-C	Bryda	114	CD	F	2mo	3	3/6/2017
12	114-D	Bryda	114	CD	F	2mo	5	3/6/2017
13	114-E	Bryda	114	CD	F	2mo	4	3/6/2017

Services/Tests Performed: Rederivation Necropsy Profile

Serologic evaluation for antibodies to: *Clostridium piliforme*, *Mycoplasma pulmonis*, CAR bacillus, H1, Hantaan, KRV, LCMV, MAV1, PVM, RCV/SDAV, REO3, RMV, RPV, RTV, Sendai

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

Parasitologic evaluation for: fur mites, mesostigmatid mites, lice, Spironucleus muris, Giardia muris, large

intestinal flagellates and amoeba, pinworms and tapeworms

Microbiologic evaluation for: *Corynebacterium kutscheri*, *Pasteurella multocida*, *Pasteurella pneumotropica* biotype Heyl, *Pasteurella pneumotropica* biotype Jawetz, *Salmonella enterica*, *Streptococcus pneumoniae*

General Comments: Disco - Q2 Sentinel rats, '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	-	-	-	-	-	-	-	-	-	-
Hantaan	-	-	-	-	-	-	-	-	-	-
LCMV	-	-	-	-	-	-	-	-	-	-
<i>Mycoplasma pulmonis</i>	-	-	-	-	-	-	-	-	-	-
MAV1	-	-	-	-	-	-	-	-	-	-
RPV	-	-	-	-	-	-	-	-	-	-
RMV	-	-	-	-	-	-	-	-	-	-
KRV	-	-	-	-	-	-	-	-	-	-
H1	-	-	-	-	-	-	-	-	-	-
PVM	-	-	-	-	-	-	-	-	-	-
RCV/SDAV	-	-	-	-	-	-	-	-	-	-
REO3	-	-	-	-	-	-	-	-	-	-
RTV	-	-	-	-	-	-	-	-	-	-
Sendai	-	-	-	-	-	-	-	-	-	-
<i>Clostridium piliforme</i>	-	-	-	-	-	-	-	-	-	-
Rat IgG	N	N	N	N	N	N	N	N	N	N

	11	12	13
CAR bacillus	-	-	-
Hantaan	-	-	-
LCMV	-	-	-
<i>Mycoplasma pulmonis</i>	-	-	-
MAV1	-	-	-
RPV	-	-	-
RMV	-	-	-
KRV	-	-	-
H1	-	-	-
PVM	-	-	-
RCV/SDAV	-	-	-
REO3	-	-	-
RTV	-	-	-
Sendai	-	-	-
<i>Clostridium piliforme</i>	-	-	-
Rat IgG	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>	-	-	-	-	-	-	-	-	-	-
<i>Helicobacter typhlonius</i>	-	-	-	-	-	-	-	-	-	-

feces	11	12	13
<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>	-	-	-

lung	1	2	3	4	5	6	7	8	9	10
<i>Pneumocystis carinii</i>	-	-	-	-	-	-	-	-	-	-

lung	11	12	13
<i>Pneumocystis carinii</i>	-	-	-

oral swab	1	2	3	4	5	6	7	8	9	10
<i>Mycoplasma pulmonis</i>	-	-	-	-	-	-	-	-	-	-
<i>Streptobacillus moniliformis</i>	-	-	-	-	-	-	-	-	-	-

oral swab	11	12	13
<i>Mycoplasma pulmonis</i>	-	-	-
<i>Streptobacillus moniliformis</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	-	-	-	-	-	-	-	-	-	-

	11	12	13
parasites	-	-	-

MICROBIOLOGY

Specimen/Source: cecum

Isolate	1	2	3	4	5	6	7	8	9	10
<i>Salmonella enterica</i>	-	-	-	-	-	-	-	-	-	-

Specimen/Source: cecum

Isolate	11	12	13
<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>	-	-	-	-	-	-	-	-	-	-

Specimen/Source: nasopharynx

Isolate	11	12	13
<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 # 18705-2017

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

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Specimen Description

Species: rat
Description: 2 rat fur mite swabs
Number of Specimens/Animals: 2
Building/Facility: Discovery Ridge
Area: W112

Client ID	Investigator	Room #	Sex
Rack 1-4A	Bryda	W112	U
Rack 4B-7	Bryda	W112	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 1-4A	Rack 4B-7
<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

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IDEXX BioResearch Case # 18706-2017

**Received: 6/22/2017
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Specimen Description

Species: rat
Description: 1 rat fur mite swab
Number of Specimens/Animals: 1
Building/Facility: Discovery Ridge
Area: W113

ID	Client ID	Investigator	Room #	Sex
1	Rat fur mite 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	1
<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

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IDEXX BioResearch Case # 18708-2017

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Completed: 6/23/2017

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Specimen Description

Species: rat
Description: 1 rat fur mite swab
Number of Specimens/Animals: 1
Building/Facility: Discovery Ridge
Area: W114

Client ID	Investigator	Room #	Sex
Rack 1-5	Bryda	W114	U

Services/Tests Performed: Fur Mite

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

General Comments: AOQuarterly fur mite swab

Summary: All test results were negative.

PCR EVALUATION

pelt swab	Rack 1-5
<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