

FINAL REPORT OF LABORATORY EXAMINATION

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IDEXX BioAnalytics Case # 125337-2022

Received Date: 9/14/2022

Completed: 9/20/2022

Submitted By

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Specimen Description

Species: rat

Breed/Strain: HET RNU

Description: Whole Animal

Number of Specimens/Animals: 11

Building/Facility: Discovery Ridge

Client ID	Investigator	Room #	Species	Strain /Breed	Sex	Rack	Date Placed
113-F	Bryda	W113	rat	HET RNU	F	1	7/13/2022
114-C	Bryda	W114	rat	HET RNU	F	1	7/13/2022
114-D	Bryda	W114	rat	HET RNU	F	2	7/13/2022
114-E	Bryda	W114	rat	HET RNU	F	3	7/13/2022
112-A	Bryda	W112	rat	HET RNU	F	1	7/13/2022
112-B	Bryda	W112	rat	HET RNU	F	2	7/13/2022
112-C	Bryda	W112	rat	HET RNU	F	3	7/13/2022
112-D	Bryda	W112	rat	HET RNU	F	4	7/13/2022
112-E	Bryda	W112	rat	HET RNU	F	5	7/13/2022
112-F	Bryda	W112	rat	HET RNU	F	6	7/13/2022
112-G	Bryda	W112	rat	HET RNU	F	7	7/13/2022

Services/Tests Performed: MU RRRC Rat Quarterly Sentinel and Rederivation Surrogate Profile (1-11)

Serologic evaluation for antibodies to: *Mycoplasma pulmonis*, *Pneumocystis carinii*, H1, KRV, LCMV, 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*, *Streptococcus* sp. beta hemolytic Group A, *Streptococcus* sp. beta hemolytic Group B, *Streptococcus* sp. beta hemolytic Group C, *Streptococcus* sp. beta hemolytic Group G

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

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

General Comments: Discovery Ridge - 2022 Q3 'A' room rat sentinel necropsies

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

	113-F	114-C	114-D	114-E	112-A	112-B	112-C	112-D	112-E
LCMV	-	-	-	-	-	-	-	-	-
<i>Mycoplasma pulmonis</i>	-	-	-	-	-	-	-	-	-
<i>Pneumocystis carinii</i>	-	-	-	-	-	-	-	-	-
RPV	-	-	-	-	-	-	-	-	-
RMV	-	-	-	-	-	-	-	-	-
KRV	-	-	-	-	-	-	-	-	-
H1	-	-	-	-	-	-	-	-	-
PVM	-	-	-	-	-	-	-	-	-
RCV/SDAV	-	-	-	-	-	-	-	-	-
REO3	-	-	-	-	-	-	-	-	-
RTV	-	-	-	-	-	-	-	-	-
Sendai	-	-	-	-	-	-	-	-	-
Rat IgG	N	N	N	N	N	N	N	N	N

	112-F	112-G
LCMV	-	-
<i>Mycoplasma pulmonis</i>	-	-
<i>Pneumocystis carinii</i>	-	-
RPV	-	-
RMV	-	-
KRV	-	-
H1	-	-
PVM	-	-
RCV/SDAV	-	-
REO3	-	-
RTV	-	-
Sendai	-	-
Rat IgG	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	113-F	114-C	114-D	114-E	112-A	112-B	112-C	112-D	112-E
<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	112-F	112-G
<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	113-F	114-C	114-D	114-E	112-A	112-B	112-C	112-D	112-E
<i>Mycoplasma pulmonis</i>	-	-	-	-	-	-	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group A	-	-	-	-	-	-	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group B	-	-	-	-	-	-	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group C	-	-	-	-	-	-	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group G	-	-	-	-	-	-	-	-	-

oral swab	112-F	112-G
<i>Mycoplasma pulmonis</i>	-	-
<i>Streptococcus</i> sp. beta hemolytic Group A	-	-
<i>Streptococcus</i> sp. beta hemolytic Group B	-	-
<i>Streptococcus</i> sp. beta hemolytic Group C	-	-
<i>Streptococcus</i> sp. beta hemolytic Group G	-	-

Legend: + = positive - = negative id:id = pooled sample range id+id+id = non-range pooled sample NT or blank = no test performed sus = suspect wps = weak positive XX = Testing in progress

PARASITOLOGY

	113-F	114-C	114-D	114-E	112-A	112-B	112-C	112-D	112-E
parasites	-	-	-	-	-	-	-	-	-

	112-F	112-G
parasites	-	-

MICROBIOLOGY

Specimen/Source: cecum

Isolate	113-F	114-C	114-D	114-E	112-A	112-B	112-C	112-D	112-E
<i>Salmonella enterica</i>	-	-	-	-	-	-	-	-	-

Specimen/Source: cecum

Isolate	112-F	112-G
<i>Salmonella enterica</i>	-	-

Specimen/Source: oral swab

Isolate	113-F	114-C	114-D	114-E	112-A	112-B	112-C	112-D	112-E
<i>Pasteurella pneumotropica</i> biotype Heyl	-	-	-	-	-	-	-	-	-
<i>Pasteurella pneumotropica</i> biotype Jawetz	-	-	-	-	-	-	-	-	-
<i>Streptococcus pneumoniae</i>	-	-	-	-	-	-	-	-	-

Specimen/Source: oral swab

Isolate	112-F	112-G
<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 BioAnalytics Case # 126486-2022

Received Date: 9/21/2022

Completed: 9/26/2022

Submitted By

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Specimen Description

Species: rat
Description: Feces; Pelt Swab
Number of Specimens/Animals: 4
Building/Facility: Discovery Ridge

Client ID	Investigator	Room #	Species	Sex
W112 Rack 1-4A pin worm fecal and fur mite swab	Bryda	W112	rat	M/F
W112 Rack 4B-7 pin worm fecal and fur mite swab	Bryda	W112	rat	M/F
W114 rat pin worm fecal and rat fur mite swab	Bryda	W114	rat	M/F
W113 rat pin worm fecal and rat fur mite swab	Bryda	W113	rat	M/F

Services/Tests Performed: Pinworm and Fur Mite Panel (1-4)

PCR evaluation for: *Aspiculuris tetraptera*, *Myocoptes*, *Radfordia/Myobia*, *Syphacia muris*, *Syphacia obvelata*

General Comments: Quarterly rat pin worm and fur mite testing; W112,W113, W114; n=4 pooled fecal samples; n=4 pooled fur mite swabs. AOB

Summary: All test results were negative.

PCR EVALUATION

feces	W112 Rack 1-4A pin worm fecal and fur mite swab
<i>Aspiculuris tetraptera</i>	-
<i>Syphacia muris</i>	-
<i>Syphacia obvelata</i>	-

feces	W112 Rack 4B-7 pin worm fecal and fur mite swab
<i>Aspiculuris tetraptera</i>	-
<i>Syphacia muris</i>	-
<i>Syphacia obvelata</i>	-

feces	W114 rat pin worm fecal and rat fur mite swab
<i>Aspiculuris tetraptera</i>	-
<i>Syphacia muris</i>	-
<i>Syphacia obvelata</i>	-

feces	W113 rat pin worm fecal and rat fur mite swab
<i>Aspiculuris tetraptera</i>	-
<i>Syphacia muris</i>	-
<i>Syphacia obvelata</i>	-

pelt swab	W112 Rack 1-4A pin worm fecal and fur mite swab
<i>Myocoptes</i>	-
<i>Radfordia/Myobia</i>	-

pelt swab	W112 Rack 4B-7 pin worm fecal and fur mite swab
<i>Myocoptes</i>	-
<i>Radfordia/Myobia</i>	-

pelt swab	W114 rat pin worm fecal and rat fur mite swab
<i>Myocoptes</i>	-
<i>Radfordia/Myobia</i>	-

pelt swab	W113 rat pin worm fecal and rat fur mite 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 sus = suspect wps = weak positive XX = Testing in progress