

FINAL REPORT OF LABORATORY EXAMINATION

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IDEXX BioAnalytics Case # 125335-2022

Received Date: 9/14/2022

Completed: 9/20/2022

Submitted By

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Specimen Description

Species: mouse

Breed/Strain: CR ATH HE

Description: Whole Animal

Number of Specimens/Animals: 12

Building/Facility: Discovery Ridge

Client ID	Investigator	Room #	Species	Strain /Breed	Sex	Rack	Date Placed
116-A	Franklin	W116	mouse	CR ATH HE	F	1	7/13/2022
116-B	Franklin	W116	mouse	CR ATH HE	F	2	7/13/2022
116-C	Franklin	W116	mouse	CR ATH HE	F	3	7/13/2022
116-D	Franklin/Bryda	W116	mouse	CR ATH HE	F	4	7/13/2022
116-E	Franklin	W116	mouse	CR ATH HE	F	5	7/13/2022
113-A	Bryda	W113	mouse	CR ATH HE	F	2	7/13/2022
113-B	Bryda	W113	mouse	CR ATH HE	F	3	7/13/2022
113-C	Bryda	W113	mouse	CR ATH HE	F	4	7/13/2022
113-D	Bryda	W113	mouse	CR ATH HE	F	5	7/13/2022
113-E	Bryda	W113	mouse	CR ATH HE	F	6	7/13/2022
114-A	Bryda	W114	mouse	CR ATH HE	F	4	7/13/2022
114-B	Bryda	W114	mouse	CR ATH HE	F	5	7/13/2022

Services/Tests Performed: MU MMRRC Mouse Quarterly Sentinel and Rederivation Surrogate Profile (1-12)

**Serologic evaluation for antibodies to:** *Mycoplasma pulmonis*, *Pneumocystis murina*, Ectromelia, EDIM, LCMV, MAV1, MAV2, MHV, MNV, MPV, MVM, Polyoma, PVM, REO3, Sendai, TMEV

**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:** *Bordetella hinzii*, *Citrobacter rodentium*, *Klebsiella oxytoca*, *Klebsiella pneumoniae*, *Pasteurella pneumotropica* biotype Heyl, *Pasteurella pneumotropica* biotype Jawetz, *Salmonella enterica*, *Streptococcus pneumoniae*

**General Comments:** Discovery Ridge - 2022 Q3 'A' room mouse 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

	116-A	116-B	116-C	116-D	116-E	113-A	113-B	113-C	113-D
Ectromelia	-	-	-	-	-	-	-	-	-
EDIM	-	-	-	-	-	-	-	-	-
LCMV	-	-	-	-	-	-	-	-	-
<i>Mycoplasma pulmonis</i>	-	-	-	-	-	-	-	-	-
MAV1	-	-	-	-	-	-	-	-	-
MAV2	-	-	-	-	-	-	-	-	-
MHV	-	-	-	-	-	-	-	-	-
MNV	-	-	-	-	-	-	-	-	-
MPV	-	-	-	-	-	-	-	-	-
MVM	-	-	-	-	-	-	-	-	-
<i>Pneumocystis murina</i>	-	-	-	-	-	-	-	-	-
Polyoma	-	-	-	-	-	-	-	-	-
PVM	-	-	-	-	-	-	-	-	-
REO3	-	-	-	-	-	-	-	-	-
TMEV	-	-	-	-	-	-	-	-	-
Sendai	-	-	-	-	-	-	-	-	-
Mouse IgG	N	N	N	N	N	N	N	N	N

	113-E	114-A	114-B
Ectromelia	-	-	-
EDIM	-	-	-
LCMV	-	-	-
<i>Mycoplasma pulmonis</i>	-	-	-
MAV1	-	-	-
MAV2	-	-	-
MHV	-	-	-
MNV	-	-	-
MPV	-	-	-
MVM	-	-	-
<i>Pneumocystis murina</i>	-	-	-
Polyoma	-	-	-
PVM	-	-	-
REO3	-	-	-
TMEV	-	-	-
Sendai	-	-	-

	113-E	114-A	114-B
Mouse 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	116-A	116-B	116-C	116-D	116-E	113-A	113-B	113-C	113-D
<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	113-E	114-A	114-B
<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	116-A	116-B	116-C	116-D	116-E	113-A	113-B	113-C	113-D
<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	113-E	114-A	114-B
<i>Mycoplasma pulmonis</i>	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group A	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group B	-	-	-

oral swab	113-E	114-A	114-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

	116-A	116-B	116-C	116-D	116-E	113-A	113-B	113-C	113-D
parasites	-	-	-	-	-	-	-	-	-

	113-E	114-A	114-B
parasites	-	-	-

## MICROBIOLOGY

Specimen/Source: cecum

Isolate	116-A	116-B	116-C	116-D	116-E	113-A	113-B	113-C	113-D
<i>Citrobacter rodentium</i>	-	-	-	-	-	-	-	-	-
<i>Klebsiella oxytoca</i>	-	-	-	-	-	-	-	-	-
<i>Klebsiella pneumoniae</i>	-	-	-	-	-	-	-	-	-
<i>Salmonella enterica</i>	-	-	-	-	-	-	-	-	-

Specimen/Source: cecum

Isolate	113-E	114-A	114-B
<i>Citrobacter rodentium</i>	-	-	-
<i>Klebsiella oxytoca</i>	-	-	-
<i>Klebsiella pneumoniae</i>	-	-	-
<i>Salmonella enterica</i>	-	-	-

Specimen/Source: oral swab

Isolate	116-A	116-B	116-C	116-D	116-E	113-A	113-B	113-C	113-D
<i>Bordetella hinzii</i>	-	-	-	-	-	-	-	-	-
<i>Pasteurella pneumotropica</i> biotype Heyl	-	-	-	-	-	-	-	-	-
<i>Pasteurella pneumotropica</i> biotype Jawetz	-	-	-	-	-	-	-	-	-
<i>Streptococcus pneumoniae</i>	-	-	-	-	-	-	-	-	-

Specimen/Source: oral swab

Isolate	113-E	114-A	114-B
<i>Bordetella hinzii</i>	-	-	-
<i>Pasteurella pneumotropica</i> biotype Heyl	-	-	-

Isolate	113-E	114-A	114-B
<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 # 126487-2022**

**Received Date: 9/21/2022**

**Completed: 9/26/2022**

**Submitted By**

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**Specimen Description**

Species: mouse

Description: Feces; Pelt Swab

Number of Specimens/Animals: 4

Building/Facility: Discovery Ridge

Client ID	Investigator	Room #	Species	Sex
W113 mouse pin worm fecal and fur mite swab	Bryda	W113	mouse	M/F
W114 mouse pin worm fecal and fur mite swab	Bryda	W114	mouse	M/F
W116 racks 1-2 pin worm fecal and fur mite swab	Bryda	W116	mouse	M/F
W116 racks 3-5 pin worm fecal and fur mite swab	Bryda	W116	mouse	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 mouse pin worm and fur mite testing; W113,W114, W116; n=4 pooled fecal samples; n=4 pooled fur mite swabs. AOB

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



## PCR EVALUATION

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

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

feces	W116 racks 1-2 pin worm fecal and fur mite swab
<i>Aspiculuris tetraptera</i>	-
<i>Syphacia muris</i>	-
<i>Syphacia obvelata</i>	-

feces	W116 racks 3-5 pin worm fecal and fur mite swab
<i>Aspiculuris tetraptera</i>	-
<i>Syphacia muris</i>	-
<i>Syphacia obvelata</i>	-

pelt swab	W113 mouse pin worm fecal and fur mite swab
<i>Myocoptes</i>	-
<i>Radfordia/Myobia</i>	-

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

pelt swab	W116 racks 1-2 pin worm fecal and fur mite swab
<i>Myocoptes</i>	-
<i>Radfordia/Myobia</i>	-

pelt swab	W116 racks 3-5 pin worm fecal and 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