

**FINAL REPORT OF LABORATORY EXAMINATION**

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**IDEXX BioAnalytics Case # 106474-2025**

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**Version # 1**

**Report Date: 3/26/2025**

**Submitted By**

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**Specimen Description**

Species: rat  
Breed/Strain: HET RNU  
Description: Whole Animal  
Number of Specimens/Animals: 13  
Building/Facility: Discovery Ridge

**Purchase Order #: 691609**

Client ID	Investigator	Room #	Species	Strain /Breed	Sex	Rack	Date Placed
112-F	Davis	W112	rat	HET RNU	F	6	12/16/2024
112-G	Davis	W112	rat	HET RNU	F	7	12/16/2024
112-H	Davis	W112	rat	HET RNU	F	8	12/16/2024
113-A	Bryda	W113	rat	HET RNU	F	1	12/16/2024
113-B	Bryda	W113	rat	HET RNU	F	2	12/16/2024
113-C	Bryda	W113	rat	HET RNU	F	3	12/16/2024
113-D	Bryda	W113	rat	HET RNU	F	4	12/16/2024
113-E	Bryda	W113	rat	HET RNU	F	5	12/16/2024
113-F	Bryda	W113	rat	HET RNU	F	6	12/16/2024
114-A	Bryda	W114	rat	HET RNU	F	1	12/16/2024
114-B	Bryda	W114	rat	HET RNU	F	2	12/16/2024
114-C	Bryda	W114	rat	HET RNU	F	4	12/16/2024
114-D	Bryda	W114	rat	HET RNU	F	5	12/16/2024

**Services/Tests Performed:** MU RRRC Rat Quarterly Sentinel and Rederivation Surrogate Profile (1-13)

**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:** *Rodentibacter heylii*, *Rodentibacter pneumotropicus*, *Salmonella enterica*, *Streptococcus pneumoniae*

**General Comments:** Discovery Ridge - 2025 Q1 '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**

	112-F	112-G	112-H	113-A	113-B	113-C	113-D	113-E	113-F	114-A
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	N

	114-B	114-C	114-D
LCMV	-	-	-
<i>Mycoplasma pulmonis</i>	-	-	-
<i>Pneumocystis carinii</i>	-	-	-
RPV	-	-	-
RMV	-	-	-
KRV	-	-	-
H1	-	-	-
PVM	-	-	-
RCV/SDAV	-	-	-
REO3	-	-	-
RTV	-	-	-
Sendai	-	-	-
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	112-F	112-G	112-H	113-A	113-B	113-C	113-D	113-E	113-F	114-A
<i>Helicobacter</i> spp.	-	-	-	-	-	-	-	-	-	-
<i>Helicobacter bilis</i>	-	-	-	-	-	-	-	-	-	-

feces	112-F	112-G	112-H	113-A	113-B	113-C	113-D	113-E	113-F	114-A
<i>Helicobacter ganmani</i>	-	-	-	-	-	-	-	-	-	-
<i>Helicobacter hepaticus</i>	-	-	-	-	-	-	-	-	-	-
<i>Helicobacter mastomyrinus</i>	-	-	-	-	-	-	-	-	-	-
<i>Helicobacter rodentium</i>	-	-	-	-	-	-	-	-	-	-
<i>Helicobacter typhlonius</i>	-	-	-	-	-	-	-	-	-	-

feces	114-B	114-C	114-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>	-	-	-

oral swab	112-F	112-G	112-H	113-A	113-B	113-C	113-D	113-E	113-F	114-A
<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	114-B	114-C	114-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	-	-	-

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

## PARASITOLOGY

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

	114-B	114-C	114-D
parasites	-	-	-

## MICROBIOLOGY

Source/Specimen: cecum

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

Source/Specimen: cecum

Isolate	114-B	114-C	114-D
<i>Salmonella enterica</i>	-	-	-

Source/Specimen: oral swab

Isolate	112-F	112-G	112-H	113-A	113-B	113-C	113-D	113-E	113-F	114-A
<i>Rodentibacter heylII</i>	-	-	-	-	-	-	-	-	-	-
<i>Rodentibacter pneumotropicus</i>	-	-	-	-	-	-	-	-	-	-
<i>Streptococcus pneumoniae</i>	-	-	-	-	-	-	-	-	-	-

Source/Specimen: oral swab

Isolate	114-B	114-C	114-D
<i>Rodentibacter heylII</i>	-	-	-
<i>Rodentibacter pneumotropicus</i>	-	-	-
<i>Streptococcus pneumoniae</i>	-	-	-

Legend: + = agent recovered   - = agent not recovered   blank = test not performed   n = no growth   X = Preliminary