

FINAL REPORT OF LABORATORY EXAMINATION

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IDEXX BioAnalytics Case # 26932-2018

Received: 9/18/2018

Completed: 9/26/2018

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Specimen Description

Species: rat  
Description: Live sentinel rats  
Number of Specimens/Animals: 9  
Building/Facility: Discovery Ridge  
Area: W112, W113, W114

Client ID	Investigator	Room #	Strain /Breed	Sex	Rack	Date Placed
113-E	Bryda	W113	HET RNU	F	1	6/18/2018
112-A	Bryda	W112	HET RNU	F	1	6/18/2018
112-B	Bryda	W112	HET RNU	F	2	6/18/2018
112-C	Bryda	W112	HET RNU	F	3	6/18/2018
112-D	Bryda	W112	HET RNU	F	4	6/18/2018
112-E	Bryda	W112	HET RNU	F	5	6/18/2018
112-F	Bryda	W112	HET RNU	F	6	6/18/2018
112-G	Bryda	W112	HET RNU	F	7	6/18/2018
114-A	Bryda	W114	HET RNU	F	5	6/18/2018

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:** Discovery Ridge - 2018 Q3 'A' room sentinel rat 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-E	112-A	112-B	112-C	112-D	112-E	112-F	112-G	114-A
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

**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-E	112-A	112-B	112-C	112-D	112-E	112-F	112-G	114-A
<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	113-E	112-A	112-B	112-C	112-D	112-E	112-F	112-G	114-A
<i>Pneumocystis carinii</i>	-	-	-	-	-	-	-	-	-

oral swab	113-E	112-A	112-B	112-C	112-D	112-E	112-F	112-G	114-A
<i>Mycoplasma pulmonis</i>	-	-	-	-	-	-	-	-	-

oral swab	113-E	112-A	112-B	112-C	112-D	112-E	112-F	112-G	114-A
<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 Testing in progress

## PARASITOLOGY

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

## MICROBIOLOGY

Specimen/Source: cecum

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

Specimen/Source: nasopharynx

Isolate	113-E	112-A	112-B	112-C	112-D	112-E	112-F	112-G	114-A
<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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SEROLOGY DETAILS

	Baseline	113-E	112-A	112-B	112-C	112-D	112-E	112-F	112-G	114-A
<b>CAR bacillus</b>										
CAR bacillus purified bacteria	MFI > 3.750	-	-	-	-	-	-	-	-	-
<b>Hantaan</b>										
Hantaan NP	MFI > 4.000	-	-	-	-	-	-	-	-	-
<b>LCMV</b>										
LCMV recombinant	MFI > 3.000	-	-	-	-	-	-	-	-	-
<b>Mycoplasma pulmonis</b>										
<i>M. pulmonis</i> purified bacteria	MFI > 4.250	-	-	-	-	-	-	-	-	-
<b>MAV1</b>										
MAV1 purified virus	MFI > 3.750	-	-	-	-	-	-	-	-	-
<b>RPV</b>										
RPV purified virus	MFI > 2.500	-	-	-	-	-	-	-	-	-
NS1 <sup>1</sup>	MFI > 3.750	-	-	-	-	-	-	-	-	-
<b>RMV</b>										
RMV VP2 recombinant	MFI > 2.000	-	-	-	-	-	-	-	-	-
NS1 <sup>1</sup>	MFI > 3.750	-	-	-	-	-	-	-	-	-
<b>KRV</b>										
KRV purified virus	MFI > 3.250	-	-	-	-	-	-	-	-	-
NS1 <sup>1</sup>	MFI > 3.750	-	-	-	-	-	-	-	-	-
<b>H1</b>										
H1 purified virus	MFI > 1.750	-	-	-	-	-	-	-	-	-
NS1 <sup>1</sup>	MFI > 3.750	-	-	-	-	-	-	-	-	-
<b>PVM</b>										
PVM purified virus	MFI > 2.500	-	-	-	-	-	-	-	-	-
<b>RCV/SDAV</b>										
RCV/SDAV purified virus	MFI > 3.750	-	-	-	-	-	-	-	-	-

	Baseline	113-E	112-A	112-B	112-C	112-D	112-E	112-F	112-G	114-A
RCV/SDAV Spike	MFI > 3.750	-	-	-	-	-	-	-	-	-
<b>REO3</b>										
REO3 purified virus	MFI > 4.900	-	-	-	-	-	-	-	-	-
<b>RTV</b>										
RTV purified virus	MFI > 2.000	-	-	-	-	-	-	-	-	-
TMEV purified virus	MFI > 2.000	-	-	-	-	-	-	-	-	-
<b>Sendai</b>										
Sendai purified virus	MFI > 3.750	-	-	-	-	-	-	-	-	-
<b><i>Clostridium piliforme</i></b>										
<i>Clostridium piliforme</i> purified bacteria	MFI > 4.950	-	-	-	-	-	-	-	-	-

**NS1<sup>1</sup>:** NS1 protein is highly conserved among rodent parvoviruses and thus serves as a generic assay for parvovirus seroconversion.

**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

Positive MFI results are reported as "+" followed by a number from 1 to 33 in thousands rounded off to the nearest thousand.

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IDEXX BioAnalytics Case # 27169-2018

Received: 9/19/2018

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**Specimen Description**

Species: rat  
Description: 4 Rat Fur Mite Swabs  
Number of Specimens/Animals: 4  
Building/Facility: Discivery Ridge  
Area: W112, W113, W114

ID	Client ID	Investigator	Room #
1	1 rat fur mite swab	Bryda	W113
2	1 rat fur mite swab	Bryda	W114
3	1 fur mitw swab racks 1-4A	Bryda	W112
4	1 rat fur mite swab racks 4B-7	Bryda	W112

**Services/Tests Performed:** Fur Mite

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

**General Comments:** Quarterly Fur Mite Swabs. AO

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

## PCR EVALUATION

swab	1	2	3	4
<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 Testing in progress