

**FINAL REPORT OF LABORATORY EXAMINATION**

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**IDEXX BioResearch Case # 25191-2013**

**Received: 12/9/2013**

**Completed: 12/23/2013**

**Submitted By**

Sentinels  
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**Specimen Description**

Species: mouse  
Number of Specimens/Animals: 5

Client ID	Investigator	Room #	Strain	Sex	Rack
1	Bryda	W113	CD-1	F	2
2	Bryda	W113	CD-1	F	3
3	Bryda	W113	CD-1	F	4
4	Bryda	W113	CD-1	F	5
5	Bryda	W113	CD-1	F	6

**Services/Tests Performed:** Rederivation Necropsy Profile - mouse

**Serologic evaluation for antibodies to:** *Clostridium piliforme*, *Mycoplasma pulmonis*, CAR bacillus, Ectromelia, EDIM, LCMV, LDEV, MAD1, MAD2, MCMV, MHV, MNV, MPV, MVM, Polyoma, PVM, REO3, Sendai, TMEV, *Encephalitozoon cuniculi*

**PCR evaluation for:** *Helicobacter bilis*, *Helicobacter ganmani*, *Helicobacter hepaticus*, *Helicobacter rodentium*, *Helicobacter* spp., *Helicobacter typhlonius*, *Mycoplasma pulmonis*

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

**Microbiologic evaluation for:** *Citrobacter rodentium*, *Corynebacterium kutscheri*, *Klebsiella oxytoca*, *Klebsiella pneumoniae*, *Pasteurella multocida*, *Pasteurella pneumotropica*, *Salmonella enterica*, *Streptococcus pneumoniae*

**General Comments:** CB: Sentinel Mice placed on 9/10/2013.

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

## NECROPSY

No gross lesions were detected in any of the body systems and organs examined.

## SEROLOGY SUMMARY

	1	2	3	4	5
CAR bacillus	-	-	-	-	-
<i>Encephalitozoon cuniculi</i>	-	-	-	-	-
Ectromelia	-	-	-	-	-
EDIM	-	-	-	-	-
LCMV	-	-	-	-	-
LDEV	-	-	-	-	-
<i>Mycoplasma pulmonis</i>	-	-	-	-	-
MAD1	-	-	-	-	-
MAD2	-	-	-	-	-
MCMV	-	-	-	-	-
MHV	-	-	-	-	-
MNV	-	-	-	-	-
MPV	-	-	-	-	-
MVM	-	-	-	-	-
Polyoma	-	-	-	-	-
PVM	-	-	-	-	-
REO3	-	-	-	-	-
TMEV	-	-	-	-	-
Sendai	-	-	-	-	-
<i>Clostridium piliforme</i>	-	-	-	-	-
Mouse IgG	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	1	2	3	4	5
<i>Helicobacter</i> spp.	-	-	-	-	-
<i>Helicobacter bilis</i>	-	-	-	-	-
<i>Helicobacter ganmani</i>	-	-	-	-	-
<i>Helicobacter hepaticus</i>	-	-	-	-	-
<i>Helicobacter rodentium</i>	-	-	-	-	-
<i>Helicobacter typhlonius</i>	-	-	-	-	-

  

nasopharyngeal swab	1	2	3	4	5
<i>Mycoplasma pulmonis</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

**Comments:** All samples are first tested by the *Helicobacter* spp. PCR assay; a generic *Helicobacter* PCR assay that detects all bacteria in the *Helicobacter* genus. Samples testing negative on this assay are reported negative for *Helicobacter* spp. and all species-specific helicobacters. Samples testing positive on the *Helicobacter* spp. assay are subsequently retested on the *Helicobacter* spp. assay and tested with PCR assays specific for *H. bilis*, *H. ganmani*, *H. hepaticus*, *H. rodentium* and *H. typhlonius* and positive results are reported.

**PARASITOLOGY**

	1	2	3	4	5
parasites	-	-	-	-	-

**MICROBIOLOGY**

cecum	1	2	3	4	5
<i>Citrobacter rodentium</i>	-	-	-	-	-
<i>Klebsiella oxytoca</i>	-	-	-	-	-
<i>Klebsiella pneumoniae</i>	-	-	-	-	-
<i>Salmonella enterica</i>	-	-	-	-	-

nasopharynx	1	2	3	4	5
<i>Corynebacterium kutscheri</i>	-	-	-	-	-
<i>Pasteurella multocida</i>	-	-	-	-	-
<i>Pasteurella pneumotropica</i>	-	-	-	-	-
<i>Streptococcus pneumoniae</i>	-	-	-	-	-

Legend: + = agent recovered - = agent not recovered blank = test not performed n = no growth p = Proteus overgrowth, which may interfere with the identification of other bacteria