

FINAL REPORT OF LABORATORY EXAMINATION

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IDEXX BioResearch Case # 11801-2015

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Submitted By

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Specimen Description

Species: rabbit

Number of Specimens/Animals: 1

ID	Investigator	Strain	Sex	Age
1	K. Robinson	NZW	F	1-19-15

Services/Tests Performed: Comprehensive Necropsy (1); Comprehensive Necropsy Micro Panel (1); Comprehensive Necropsy Histo Panel (1); *Pasteurella multocida*

Serologic evaluation for antibodies to: *Clostridium piliforme*, CAR bacillus, *Treponema*, *Encephalitozoon cuniculi*

Histopathologic evaluation for: brain, cecum, colon, duodenum, heart, ileum, kidney, liver, lung, ovaries, skeletal muscle, spleen, stomach, uterus

Parasitologic evaluation for: ectoparasites, helminths and protozoa

Microbiologic evaluation for: *Bordetella bronchiseptica*, *Pasteurella multocida*, *Salmonella enterica*

Summary: *Bordetella bronchiseptica* was isolated from the nasopharynx. Please see the report for details.

NECROPSY

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

SEROLOGY SUMMARY

	1
CAR bacillus	-
<i>Encephalitozoon cuniculi</i>	-
Treponema	-
<i>Clostridium piliforme</i>	-
Rabbit IgG	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

PARASITOLOGY

	1
parasites	-

HISTOPATHOLOGY

brain	1
lesions	-

cecum	1
lesions	-

colon	1
lesions	-

duodenum	1
lesions	-

heart	1
lesions	-

ileum	1
lesions	-

kidney	1
moderate pelvic heterophilic infiltrates	+

liver	1
lesions	-

lung	1
focal interstitial pneumonia	+
peribronchiolar lymphoid hyperplasia	+

ovaries	1
lesions	-

skeletal muscle	1
lesions	-

spleen	1
lesions	-

stomach	1
lesions	-

uterus	1
lesions	-

Comments: The changes in the lung can develop in response to many types of exposures (infectious and noninfectious) and have been reported to occur in rabbits colonized with *Bordetella bronchiseptica*. Heterophilic infiltrates in the renal pelvis (mild pyelitis) is interpreted as an incidental finding, and not reflective of a serious contagious infectious disease.

MICROBIOLOGY

cecum	1
<i>Salmonella enterica</i>	-

nasopharynx	1
<i>Bordetella bronchiseptica</i>	+
<i>Pasteurella multocida</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