

FINAL REPORT OF LABORATORY EXAMINATION

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IDEXX BioResearch Case # 3110-2017

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Submitted By

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Specimen Description

Species: rabbit

Number of Specimens/Animals: 1

ID	Investigator	Strain /Breed	Sex
1	K. Robinson	NZW	F

Services/Tests Performed: Comprehensive Necropsy; Comprehensive Necropsy Histo Panel; Comprehensive Necropsy Micro Panel

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, intestinal protozoa, and *Eimeria stiedae*

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

Summary: This animal had moderate multifocally extensive Pneumocystis pneumonia (PCP) with cysts consistent with *Pneumocystis oryctolagi* in the lungs. Pneumocystis in rabbits is not uncommon and has been associated with mild transient lesions. The response/infection in this animal is more than what is typically expected. 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

Animal: 1	
brain	no significant lesions
cecum	no significant lesions
colon	no significant lesions
duodenum	no significant lesions
heart	no significant lesions
ileum	no significant lesions
kidney	no significant lesions
liver	no significant lesions
lung	Multifocally and extensively there are cellular infiltrates expanding the septa and filling alveoli with alveolar macrophages (many with eosinophilic cytoplasm) granulocytes and lesser lymphocytes. There are multifocal perivascular lymphoid infiltrates. Numerous cysts consistent with <i>Pneumocystis oryctolagi</i> were identified on PcAg stained sections.
ovaries	no significant lesions
skeletal muscle	no significant lesions
spleen	no significant lesions
stomach	no significant lesions
uterus	no significant lesions

MICROBIOLOGY

Specimen/Source: cecum

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

Specimen/Source: nasopharynx

Isolate	1
<i>Bordetella bronchiseptica</i>	-
<i>Pasteurella multocida</i>	-

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