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UC DAVIS VETERINARY MEDICINE

California Animal Health and
Food Safety Laboratory
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CAHFS Accession #: D2008858

FINAL REPORT

Ref.#: Blood

Coordinator: Ashley Hill, DVM, MPVM, PhD
E-Signed and Authorized by: Jackson, Wendi on
behalf of Hill, Ashley on 8/4/2020 1:13:54PM

Email To:
Cascade Valley Heritage Farm
info@cvhffarm.com

Collection Site:
Cascade Valley Heritage Farm / Priya Tuvel
Chico CA 95973
Butte County

This report supersedes all previous reports for this case

Specimens Received: 6 Clotted Blood - RTT;

Date Collected: **Date Received:** 07/30/2020

Comments: 11 rtt

Case Contacts

Submitter	Cascade Valley Heritage Farm	925-768-8686	115 Santa Fe Ln	Chico	CA	95973
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Specimen Details

Animal/Source	ID Type	Taxonomy	Gender	Age
1	CAHFS Internal ID	Nigerian Dwarf goat	Mixed	

Laboratory Findings/Diagnosis

6 of 6 negative for antibodies to Brucella, Caprine Arthritis Encephalitis/OPP virus, Corynebacterium pseudotuberculosis, Coxiella burnetii, and M. paratuberculosis.

Clinical History

Dates Samples Taken:
F-7/20/20
M - 7/26/20
Preventative Disease Testing Panel.
Treatments: CDT Q6m, BoSE Q6m

Immunology

Test Specific Comments

Caprine arthritis encephalitis / ovine progressive pneumonia antibody cELISA

* Results in the suspect range may be caused by early-stage infection, or may be temporary cross-reaction due to recent vaccination, stress, or other illness. Re-testing the animal in 3-4 weeks is recommended. Most suspect results due to temporary cross-reaction revert to negative in this time period.

Corynebacterium pseudotuberculosis antibody - SHI

- * *C. pseudotuberculosis* SHI titers less than 1:8 are not considered significant. Titers may indicate active infection or historic exposure.

In small ruminants, *C. pseudotuberculosis* titers of 1:8 occur with similar frequency in animals with and without active infection and may represent early infection or historic exposure. Titers 1:16-1:32 occur 4 times more often in animals with active infection (vs. those without infection), and titers 1:64->=1:256 occur 8.5 times more often in animals with active infection (vs. those without).

In horses, titers 1:8-1:128 are typically seen in animals with historic infection with or exposure to *C. pseudotuberculosis*, with external infection, or in the early stages of infection. Titers >=1:256 may be seen with active infection (external, internal) or exposure to the organism. In the absence of external abscesses, and with other indicators of chronic inflammation (such as high WBC, high globulin, others), titers >1:512 are associated with internal abscess formation.

M. paratuberculosis (Johne's Disease) Antibody ELISA

- * In cattle, *Mycobacterium paratuberculosis* (Johne's disease) ELISA test results are interpreted as negative if less than or equal to 0.450, suspect if greater than 0.450 but less than 0.550, and positive if greater than or equal to 0.550. At the 0.550 cutoff, test sensitivity and specificity are estimated at 68% and 99%, respectively, in cattle.

In sheep and goats, *Mycobacterium paratuberculosis* (Johne's disease) ELISA test results are interpreted as negative if less than or equal to 0.100, suspect if greater than 0.100 but less than 0.300, and positive if greater than or equal to 0.300. At the 0.300 cutoff, test sensitivity and specificity are estimated at 51% and 95%, respectively, in small ruminants.

Brucella (*B. melitensis*) 3% Rose Bengal antibody test

Animal/Source	Specimen	Specimen Type	Results
1	(1) Nessie/ShowMeUrSlither	Clotted Blood - RTT	Negative
1	(2) Jenny/Jenessa	Clotted Blood - RTT	Negative
1	(3) Tactical Decision/Tactical D	Clotted Blood - RTT	Negative
1	(4) Pumpkin Spice	Clotted Blood - RTT	Negative
1	(5) Hullabaloo	Clotted Blood - RTT	Negative
1	(6) Chaparral	Clotted Blood - RTT	Negative

Caprine arthritis encephalitis / ovine progressive pneumonia antibody cELISA

Animal/Source	Specimen	Specimen Type	Results
1	(1) Nessie/ShowMeUrSlither	Clotted Blood - RTT	10.3 Neg
1	(2) Jenny/Jenessa	Clotted Blood - RTT	6.13 Neg
1	(3) Tactical Decision/Tactical D	Clotted Blood - RTT	2.22 Neg
1	(4) Pumpkin Spice	Clotted Blood - RTT	9.21 Neg
1	(5) Hullabaloo	Clotted Blood - RTT	22.02 Neg
1	(6) Chaparral	Clotted Blood - RTT	2.13 Neg

Corynebacterium pseudotuberculosis antibody - SHI

Animal/Source	Specimen	Specimen Type	Results
1	(1) Nessie/ShowMeUrSlither	Clotted Blood - RTT	Neg @1:8
1	(2) Jenny/Jenessa	Clotted Blood - RTT	Neg @1:8
1	(3) Tactical Decision/Tactical D	Clotted Blood - RTT	Neg @1:8
1	(4) Pumpkin Spice	Clotted Blood - RTT	Neg @1:8

1	(5) Hullabaloo	Clotted Blood - RTT	Neg @1:8
1	(6) Chaparral	Clotted Blood - RTT	Neg @1:8

Coxiella burnetii (Q Fever) antibody ELISA

Animal/Source	Specimen	Specimen Type	Results
1	(1) Nessie/ShowMeUrSlither	Clotted Blood - RTT	Negative
1	(2) Jenny/Jenessa	Clotted Blood - RTT	Negative
1	(3) Tactical Decision/Tactical D	Clotted Blood - RTT	Negative
1	(4) Pumpkin Spice	Clotted Blood - RTT	Negative
1	(5) Hullabaloo	Clotted Blood - RTT	Negative
1	(6) Chaparral	Clotted Blood - RTT	Negative

M. paratuberculosis (Johnes Disease) Antibody ELISA

Animal/Source	Specimen	Specimen Type	Results
1	(1) Nessie/ShowMeUrSlither	Clotted Blood - RTT	0.00
1	(2) Jenny/Jenessa	Clotted Blood - RTT	0.011
1	(3) Tactical Decision/Tactical D	Clotted Blood - RTT	0.001
1	(4) Pumpkin Spice	Clotted Blood - RTT	0.00
1	(5) Hullabaloo	Clotted Blood - RTT	0.00
1	(6) Chaparral	Clotted Blood - RTT	0.00