

Washington Animal Disease Diagnostic Lab

**P.O. Box 647034
Pullman, WA 99164-7034
Telephone : (509) 335-9696
Fax : (509) 335-7424**

**Dr. Tad Bender
Creekside Vet Service
8751 Old Castle Rd.**

Escondido, CA 92026

**Case#: 2021-7070
Report Date: 05/12/21**

Submittal Date: 05/06/21
Owner: Orillion, Marie

Species: Domestic Goat
Breed: Nigerian Dwarf Goat

Age:
Sex: Female

Final Report:

Serology- Reported on 05/12/21 Authorized by James Evermann, Section Head

Please see Serology test interpretation comments at end of report

Sample	Animal	Caseous	Q-fever
1 A Serum	Whiskey	Neg	Not detected
2 A Serum	Clover	Neg	Not detected
3 A Serum	Charmed	Neg	Not detected
4 A Serum	Adele	Neg	Not detected
5 A Serum	Bewitched	Neg	Not detected
6 A Serum	Sugar	Neg	Not detected
7 A Serum	Alondra	Neg	Not detected
8 A Serum	Martini	Neg	Not detected
9 A Serum	Leia	Neg	Not detected

Johne's Disease by ELISA

Specimen	Animal	SP ratio	Result
1 A Blood, Serum Separator Tube	Whiskey	-0.004	Negative
2 A Blood, Serum Separator Tube	Clover	-0.004	Negative
3 A Blood, Serum Separator Tube	Charmed	-0.002	Negative
4 A Blood, Serum Separator Tube	Adele	-0.003	Negative
5 A Blood, Serum Separator Tube	Bewitched	-0.003	Negative
6 A Blood, Serum Separator Tube	Sugar	-0.005	Negative
7 A Blood, Serum Separator Tube	Alondra	-0.003	Negative
8 A Blood, Serum Separator Tube	Martini	-0.002	Negative
9 A Blood, Serum Separator Tube	Leia	-0.006	Negative

Lentivirus ELISA goats/sheep

Specimen	Animal	% I	Result
1 A Blood, Serum Separator Tube	Whiskey	7.576	Negative

Washington Animal Disease Diagnostic Lab

Lentivirus ELISA goats/sheep

Specimen	Animal	% I	Result
2 A Blood, Serum Separator Tube	Clover	-3.030	Negative
3 A Blood, Serum Separator Tube	Charmed	-2.214	Negative
4 A Blood, Serum Separator Tube	Adele	-2.331	Negative
5 A Blood, Serum Separator Tube	Bewitched	2.098	Negative
6 A Blood, Serum Separator Tube	Sugar	1.981	Negative
7 A Blood, Serum Separator Tube	Alondra	-0.932	Negative
8 A Blood, Serum Separator Tube	Martini	-37.413	Negative
9 A Blood, Serum Separator Tube	Leia	-3.147	Negative

Johne's Disease by ELISA : SOP-SERO-27

Negative: Antibodies to *M. paratuberculosis* were not detected. The animal is either not infected or in a very early, undetectable stage of infection.

Suspect: Low level of serum antibodies but above normal background levels. The animal may be in the early stages of infection. Cattle with this result are roughly 15 times more likely to be *M. paratuberculosis* infected than ELISA negative animals. Fecal culture or repeat serologic testing needed to resolve status.

Positive: Serum (cattle, goats, sheep)/milk (cattle only) antibodies to *M. paratuberculosis* detected. This animal is likely to be shedding the bacterium in its feces and possibly in its milk. Recommend animal be segregated.

Serology Test interpretation comments:

Caseous Lymphadenitis SHI-testing. : SOP-SERO-33

Synergistic Hemolysin-Inhibition Test (SHI-test) measures the antibody response to the exotoxin of *Corynebacterium pseudotuberculosis*, the causative agent of caseous lymphadenitis in sheep and goats, and pigeon fever or breastbone fever in horses.

Titers of < 1:8 are considered negative. The predictive value of negative titers is enhanced if all herd mates also test negative. *{Antibody negative results do not definitively rule out infection by C. pseudotuberculosis, therefore it is recommended that all abscesses be cultured regardless of antibody status. Antibody negative animals with an abscess should be isolated from herd mates.}*

Titers between 1:8 and 1:256 are interpreted as evidence of infection, colostral immunity or vaccination.

Washington Animal Disease Diagnostic Lab

SRLV - Small Ruminant Lentivirus (CAE/OPP) (cELISA) : SOP-SERO-32

Negative: No antibody to small ruminant lentivirus (SRLV) detected. Submit an additional serum sample drawn in 60 - 90 days in order to detect recent infection.

POSITIVE: Antibody to small ruminant lentivirus (SRLV) detected. A positive result indicates infection or passively acquired antibody via colostrum or serum therapy.

The percentage inhibition value is used only to determine the cutoff for detection (or non-detection) of specific antibody to Small Ruminant Lentivirus (CAE/OPP) per the kit manufacturer's requirements. It is NOT a substitute for antibody titer, nor is it used to predict clinical disease status or likelihood of developing clinical disease. If there are any questions regarding the assay, results or interpretation, please contact the laboratory and ask for the Consulting Microbiologist.

NOTE: SRLV includes caprine arthritis-encephalitis virus (CAEV) and ovine progressive pneumonia virus (OPPV)/ Maedi-Visna. Recent molecular epidemiology has shown both viruses are variants within a group best characterized as small ruminant lentiviruses. The c-ELISA detects both variants. For more information, please see the Animal Disease FAQ on the WADDL home page.

Q Fever (Coxiella burnetii) ELISA : SOP-SERO-52

Not detected: No Coxiella burnetii-specific antibody detected.

Suspect: Indeterminate test result. Recommend submission of additional sample for re-testing.

Detected: Coxiella burnetii-specific antibody detected in sample. Indicates previous or current infection with Coxiella burnetii. Animals with positive detection level less than 6 months of age may have acquired maternal antibodies due to passive transfer. Recommend re-testing after 6 months of age.

For more information, please see the Animal Disease FAQ on the WADDL home page.