

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#: 2022-2749
Report Date: 03/02/22**

Submittal Date: 02/26/22
Owner: Orillion, Marie

Species: Domestic Goat
Breed: Nigerian Dwarf Goat

Age:
Sex:

Final Report:

Serology- Reported on 03/02/22 Authorized by Claire Burbick, Section Head

Please see Serology test interpretation comments at end of report

Sample	Animal	Caseous	Q-fever
1 A Serum	Clover	Neg	Not detected
2 A Serum	Martini	Neg	Not detected
3 A Serum	Leia	Neg	Not detected
4 A Serum	Barbados	Neg	Not detected
5 A Serum	Barbossa	Neg	Not detected
6 A Serum	Bewitched	Neg	Not detected
7 A Serum	Sun Hat	Neg	Not detected
8 A Serum	Ice Jam	Neg	Not detected
9 A Serum	Panache	Neg	Not detected
10 A Serum	Barbarella	Neg	Not detected
11 A Serum	Cielo	Neg	Not detected
12 A Serum	Adele	Neg	Not detected
13 A Serum	Sugarland	Neg	Not detected
14 A Serum	Whiskey	Neg	Not detected
15 A Serum	Captain	Neg	Not detected
16 A Serum	Odessa	Neg	Not detected
17 A Serum	Framboise	Neg	Not detected
18 A Serum	Hazel	Neg	Not detected
19 A Serum	Manhattan	Neg	Not detected
20 A Serum	Aries	Neg	Not detected

Johne's Disease by ELISA

Specimen	Animal	SP ratio	Result
1 A Blood, Clotted	Clover	-0.000	Negative
2 A Blood, Clotted	Martini	0.001	Negative
3 A Blood, Clotted	Leia	-0.001	Negative

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Johne's Disease by ELISA

Specimen	Animal	SP ratio	Result
4 A Blood, Clotted	Barbados	-0.001	Negative
5 A Blood, Clotted	Barbossa	-0.000	Negative
6 A Blood, Clotted	Bewitched	-0.001	Negative
7 A Blood, Clotted	Sun Hat	-0.001	Negative
8 A Blood, Clotted	Ice Jam	-0.001	Negative
9 A Blood, Clotted	Panache	0.000	Negative
10 A Blood, Clotted	Barbarella	-0.002	Negative
11 A Blood, Clotted	Cielo	-0.000	Negative
12 A Blood, Clotted	Adele	-0.001	Negative
13 A Blood, Clotted	Sugarland	-0.002	Negative
14 A Blood, Clotted	Whiskey	-0.002	Negative
15 A Blood, Clotted	Captain	0.177	Negative
16 A Blood, Clotted	Odessa	-0.002	Negative
17 A Blood, Clotted	Framboise	-0.001	Negative
18 A Blood, Serum Separator Tube	Hazel	-0.000	Negative
19 A Blood, Serum Separator Tube	Manhattan	0.004	Negative
20 A Blood, Serum Separator Tube	Aries	-0.001	Negative

Lentivirus ELISA goats/sheep

Specimen	Animal	% I	Result
1 A Blood, Clotted	Clover	-6.101	Negative
2 A Blood, Clotted	Martini	-6.793	Negative
3 A Blood, Clotted	Leia	-0.876	Negative
4 A Blood, Clotted	Barbados	-2.334	Negative
5 A Blood, Clotted	Barbossa	-0.361	Negative
6 A Blood, Clotted	Bewitched	3.583	Negative
7 A Blood, Clotted	Sun Hat	4.453	Negative
8 A Blood, Clotted	Ice Jam	-2.259	Negative
9 A Blood, Clotted	Panache	4.967	Negative
10 A Blood, Clotted	Barbarella	-3.484	Negative
11 A Blood, Clotted	Cielo	2.312	Negative
12 A Blood, Clotted	Adele	1.022	Negative
13 A Blood, Clotted	Sugarland	-1.736	Negative
14 A Blood, Clotted	Whiskey	5.135	Negative
15 A Blood, Clotted	Captain	-2.876	Negative
16 A Blood, Clotted	Odessa	-0.857	Negative
17 A Blood, Clotted	Framboise	-0.773	Negative
18 A Blood, Serum Separator Tube	Hazel	-1.212	Negative
19 A Blood, Serum Separator Tube	Manhattan	12.259	Negative
20 A Blood, Serum Separator Tube	Aries	-2.465	Negative

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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.

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.