

Washington Animal Disease Diagnostic Lab

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Case#: 2018-9006
Report Date: 07/25/18

Chimacum, WA 98325

Submittal Date: 07/21/18
Owner: Poole, Lisa

Species: Domestic Goat
Breed: Nigerian Dwarf Goat

Age:
Sex:

Final Report:

Serology- Reported on 07/25/18 Authorized by James Evermann, Section Head

Please see Serology test interpretation comments at end of report

Sample	Animal	B.aborRB	Caseous
1 A Serum	Mazy	Neg	Neg
2 A Serum	Calli	Neg	Neg
3 A Serum	Dancy	Neg	Neg
4 A Serum	Clare	Neg	Neg
5 A Serum	Cocoa	Neg	Neg
6 A Serum	Ari	Neg	Neg
7 A Serum	Cruzie	Neg	Neg
8 A Serum	Frankie	Neg	Neg
9 A Serum	Bridger	Neg	Neg

Johne's Disease by ELISA

Specimen	Animal	SP ratio	Result
1 A Blood, Clotted	Mazy	-0.003	Negative
2 A Blood, Clotted	Calli	-0.000	Negative
3 A Blood, Clotted	Dancy	-0.003	Negative
4 A Blood, Clotted	Clare	-0.002	Negative
5 A Blood, Clotted	Cocoa	-0.003	Negative
6 A Blood, Clotted	Ari	-0.001	Negative
7 A Blood, Clotted	Cruzie	0.006	Negative
8 A Blood, Clotted	Frankie	-0.003	Negative
9 A Blood, Clotted	Bridger	-0.003	Negative

Lentivirus ELISA goats/sheep

Specimen	Animal	% I	Result
1 A Blood, Clotted	Mazy	7.966	Negative

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Lentivirus ELISA goats/sheep

Specimen	Animal	% I	Result
2 A Blood, Clotted	Calli	8.221	Negative
3 A Blood, Clotted	Dancy	-1.615	Negative
4 A Blood, Clotted	Clare	16.121	Negative
5 A Blood, Clotted	Cocoa	6.915	Negative
6 A Blood, Clotted	Ari	12.337	Negative
7 A Blood, Clotted	Cruzie	10.998	Negative
8 A Blood, Clotted	Frankie	12.337	Negative
9 A Blood, Clotted	Bridger	9.427	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:

Brucella abortus (Small Ruminant - 3% Rose Bengal Card Test) : SOP-SERO-17

Negative (Neg): Negative for antibodies to *B. abortus*, *B. suis* and *B. melitensis*.

POSITIVE (POS): Positive for antibodies to *B. abortus*, *B. suis*, and/or *B. melitensis*. FPA will be run per the directions of the District Epidemiological Officer.

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.

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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 on CAE, please reference: <http://waddl.vetmed.wsu.edu/animal-disease-faq/cae>