

Washington Animal Disease Diagnostic Lab

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**Case#: 2018-3167
Report Date: 03/15/18**

**Seven Winds Farm
391 N Manchester Rd**

Great Falls, MT 59404

Submittal Date: 03/14/18
Owner: Brandt, Heidi

Species: Domestic Goat
Breed: Nigerian Dwarf Goat

Age:
Sex:

Final Report:

Serology- Reported on 03/15/18 Authorized by James Evermann, Section Head

Please see Serology test interpretation comments at end of report

Sample	Animal	Caseous
1 A Serum	Azelea	Neg
2 A Serum	Icicle	Neg
3 A Serum	Honey	Neg
4 A Serum	Tinkerbelle	Neg
5 A Serum	Raidne	Neg
6 A Serum	Bella	Neg
7 A Serum	Lady	Neg
8 A Serum	Fools Gold	Neg
9 A Serum	Bee	Neg
10 A Serum	Sandstorm	Neg
11 A Serum	Pickles	Neg
12 A Serum	Squall	Neg
13 A Serum	Love Story	Neg
14 A Serum	Encore	Neg
15 A Serum	Storm	Neg
16 A Serum	Squish	Neg
17 A Serum	Paela	Neg
18 A Serum	Flare	Neg
19 A Serum	Remmy	Neg
20 A Serum	Call	Neg
21 A Serum	Ice Man	Neg

Johne's Disease by ELISA

Specimen	Animal	SP ratio	Result
1 A Blood, Clotted	Azelea	-0.005	Negative
2 A Blood, Clotted	Icicle	-0.003	Negative

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Johne's Disease by ELISA

Specimen	Animal	SP ratio	Result
3 A Blood, Clotted	Honey	-0.005	Negative
4 A Blood, Clotted	Tinkerbelle	-0.005	Negative
5 A Blood, Clotted	Raidne	-0.004	Negative
6 A Blood, Clotted	Bella	-0.006	Negative
7 A Blood, Clotted	Lady	-0.000	Negative
8 A Blood, Clotted	Fools Gold	-0.003	Negative
9 A Blood, Clotted	Bee	-0.006	Negative
10 A Blood, Clotted	Sandstorm	-0.004	Negative
11 A Blood, Clotted	Pickles	-0.005	Negative
12 A Blood, Clotted	Squall	-0.005	Negative
13 A Blood, Clotted	Love Story	-0.004	Negative
14 A Blood, Clotted	Encore	-0.006	Negative
15 A Blood, Clotted	Storm	0.005	Negative
16 A Blood, Clotted	Squish	-0.002	Negative
17 A Blood, Clotted	Paela	-0.006	Negative
18 A Blood, Clotted	Flare	-0.005	Negative
19 A Blood, Clotted	Remmy	-0.002	Negative
20 A Blood, Clotted	Call	-0.005	Negative
21 A Blood, Clotted	Ice Man	-0.003	Negative

Lentivirus ELISA goats/sheep

Specimen	Animal	% I	Result
1 A Blood, Clotted	Azelea	4.657	Negative
2 A Blood, Clotted	Icicle	17.113	Negative
3 A Blood, Clotted	Honey	7.683	Negative
4 A Blood, Clotted	Tinkerbelle	11.292	Negative
5 A Blood, Clotted	Raidne	5.704	Negative
6 A Blood, Clotted	Bella	7.451	Negative
7 A Blood, Clotted	Lady	20.605	Negative
8 A Blood, Clotted	Fools Gold	14.203	Negative
9 A Blood, Clotted	Bee	-5.122	Negative
10 A Blood, Clotted	Sandstorm	12.224	Negative
11 A Blood, Clotted	Pickles	8.033	Negative
12 A Blood, Clotted	Squall	3.143	Negative
13 A Blood, Clotted	Love Story	4.540	Negative
14 A Blood, Clotted	Encore	-4.191	Negative
15 A Blood, Clotted	Storm	17.462	Negative
16 A Blood, Clotted	Squish	14.319	Negative
17 A Blood, Clotted	Paela	9.779	Negative
18 A Blood, Clotted	Flare	10.361	Negative
19 A Blood, Clotted	Remmy	23.632	Negative
20 A Blood, Clotted	Call	19.558	Negative
21 A Blood, Clotted	Ice Man	2.445	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 on CAE, please reference: <http://waddl.vetmed.wsu.edu/animal-disease-faq/cae>