

Washington Animal Disease Diagnostic Lab

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

**Case#: 2019-3140
Report Date: 03/20/19**

Seven Winds Farm
[REDACTED]

Great Falls, MT 59404

Submittal Date: 03/13/19
Owner: Brandt, Heidi

Species: Domestic Goat

Age:
Sex:

Final Report:

Serology- Reported on 03/20/19 Authorized by James Evermann, Section Head

Please see Serology test interpretation comments at end of report

Sample	Animal	Caseous	Toxo (A)
1 A Serum	Honey	Neg	
2 A Serum	Loco	Neg	
3 A Serum	Raidne	Neg	
4 A Serum	Maybee	Neg	
5 A Serum	Squish	Neg	
6 A Serum	Bee	Neg	POS @1:128 †
7 A Serum	Paela	Neg	
8 A Serum	Encore	Neg	
9 A Serum	Love Story	Neg	
10 A Serum	Nefertiti	Neg	
11 A Serum	Ooolah	Neg	
12 A Serum	Kahuna	Neg	

†NOTE ADDED IN PROOF: Toxoplasmosis carried by rodents and cats and can cause reproductive failure in naive goats and sheep. Once seroconversion occurs the animal is regarded as immune for subsequent pregnancies. Contact Dr. Evermann if questions arise. JE 3/20/19

Johne's Disease by ELISA

Specimen	Animal	SP ratio	Result
1 A Blood, Clotted	Honey	-0.001	Negative
2 A Blood, Clotted	Loco	-0.002	Negative
3 A Blood, Clotted	Raidne	-0.002	Negative
4 A Blood, Clotted	Maybee	-0.001	Negative
5 A Blood, Clotted	Squish	-0.002	Negative
6 A Blood, Clotted	Bee	0.000	Negative
7 A Blood, Clotted	Paela	-0.001	Negative
8 A Blood, Clotted	Encore	-0.001	Negative

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Johne's Disease by ELISA

Specimen	Animal	SP ratio	Result
9 A Blood, Clotted	Love Story	0.000	Negative
10 A Blood, Clotted	Nefertiti	-0.001	Negative
12 A Blood, Clotted	Kahuna	0.000	Negative

Lentivirus ELISA goats/sheep

Specimen	Animal	% I	Result
1 A Blood, Clotted	Honey	9.528	Negative
2 A Blood, Clotted	Loco	6.660	Negative
3 A Blood, Clotted	Raidne	0.925	Negative
4 A Blood, Clotted	Maybee	9.713	Negative
5 A Blood, Clotted	Squish	4.070	Negative
6 A Blood, Clotted	Bee	6.475	Negative
7 A Blood, Clotted	Paela	6.290	Negative
8 A Blood, Clotted	Encore	10.916	Negative
9 A Blood, Clotted	Love Story	8.788	Negative
10 A Blood, Clotted	Nefertiti	2.960	Negative
12 A Blood, Clotted	Kahuna	6.383	Negative

Pregnancy Test by ELISA

Specimen	Animal	S - N Ratio	Result
10 A Blood, Clotted	Nefertiti	2.527	Pregnant

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.

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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.

Pregnancy Test by ELISA : SOP-SERO-29

The IDEXX Pregnancy ELISA measures early pregnancy-associated glycoproteins (early PAGs) which develop 28-35 days after conception

Animals with ELISA S - N values less than 0.300 are considered open or in the first month of pregnancy prior to the development of detectable levels of early PAGs.

Animals with ELISA S - N values equal to or greater than 0.300 are considered pregnant. Embryonic death is common in early stages of pregnancy. PAGs can circulate in animals for some time after early embryonic death.

An optional recheck of the animal collected 7-10 days after the first sample collection is recommended if the S - N value is equal to or greater than 0.300 and less than 1.00.

WADDL encourages producers to work closely with their Veterinarian to develop a reproductive management program that is appropriate for their operation. For more information, please see the Animal Disease FAQ on the WADDL home page.

Toxoplasmosis (IFA) : SOP-SERO-57

Negative (Neg): No antibody detected @ 1:64. Submit convalescent serum (10-21d) to detect recent exposure.

POSITIVE (POS): Antibody present due to exposure or passive transfer. Submit convalescent serum (10-21d) to detect changes in antibody consistent with recent infection.

NOTE: CSF, if submitted, tested Neat (undilute) only. Endpoint titer(s) available upon request and may be set up on the next scheduled test date.

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**Case#: 2019-4285
Report Date: 04/05/19**

Anchors Aweigh Farm

Fort Benton, MT 59442

Submittal Date: 04/03/19
Owner: Anchors Aweigh Farm

Species: Domestic Goat
Breed: Nigerian Dwarf Goat

Age:
Sex:

Final Report:

Serology- Reported on 04/05/19 Authorized by James Evermann, Section Head

Please see Serology test interpretation comments at end of report

Sample	Animal	Caseous
1 A Serum	Call	Neg
2 A Serum	Ice Man	Neg
3 A Serum	Harbor	Neg
4 A Serum	Dam Fog	Neg
5 A Serum	Orlando	Neg
6 A Serum	Remmy	Neg
7 A Serum	Black Icicle	Neg
8 A Serum	Azelea	Neg
9 A Serum	Pearl	Neg
10 A Serum	Perfect	Neg
11 A Serum	Baby	Neg

Johne's Disease by ELISA

Specimen	Animal	SP ratio	Result
1 A Blood, Clotted	Call	-0.002	Negative
2 A Blood, Clotted	Ice Man	-0.002	Negative
3 A Blood, Clotted	Harbor	0.001	Negative
4 A Blood, Clotted	Dam Fog	-0.001	Negative
5 A Blood, Clotted	Orlando	-0.001	Negative
6 A Blood, Clotted	Remmy	-0.002	Negative
7 A Blood, Clotted	Black Icicle	-0.003	Negative
8 A Blood, Clotted	Azelea	-0.003	Negative
9 A Blood, Clotted	Pearl	-0.003	Negative
10 A Blood, Clotted	Perfect	-0.003	Negative
11 A Blood, Clotted	Baby	0.002	Negative

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Lentivirus ELISA goats/sheep

Specimen	Animal	% I	Result
1 A Blood, Clotted	Call	-10.307	Negative
2 A Blood, Clotted	Ice Man	4.911	Negative
3 A Blood, Clotted	Harbor	7.819	Negative
4 A Blood, Clotted	Dam Fog	1.131	Negative
5 A Blood, Clotted	Orlando	0.743	Negative
6 A Blood, Clotted	Remmy	1.325	Negative
7 A Blood, Clotted	Black Icicle	-5.751	Negative
8 A Blood, Clotted	Azelea	-5.751	Negative
9 A Blood, Clotted	Pearl	-0.129	Negative
10 A Blood, Clotted	Perfect	4.330	Negative
11 A Blood, Clotted	Baby	0.065	Negative

Pregnancy Test by ELISA

Specimen	Animal	S - N Ratio	Result
7 A Blood, Clotted	Black Icicle	0.023	Open
8 A Blood, Clotted	Azelea	0.030	Open

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

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