

# Washington Animal Disease Diagnostic Lab

---

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

**Case#: 2020-9193  
Report Date: 07/16/20**

**Seven Winds Farm  
1000 1st Ave S**

**Great Falls, MT 59404**

Submittal Date: 07/15/20  
Owner: Brandt, Heidi

Species: Domestic Goat

Age:  
Sex:

## Final Report:

**Serology- Reported on 07/16/20** Authorized by James Evermann, Section Head

Please see Serology test interpretation comments at end of report

Sample	Animal	Caseous
1 A Serum	Love Affair	Neg
2 A Serum	Raidne	Neg
3 A Serum	Loukou	Neg
4 A Serum	Song	Neg
5 A Serum	Maybee	Neg
6 A Serum	Honey Badger	Neg
7 A Serum	Ovation	Neg
8 A Serum	Encore	Neg
9 A Serum	Te Fiti	Neg
10 A Serum	Kahuna	Neg
11 A Serum	Nefertiti	Neg
12 A Serum	Paela	Neg
13 A Serum	Ooolala	Neg
14 A Serum	Sapphire	Neg
15 A Serum	Lilikoi	Neg
16 A Serum	Lunar	Neg

### Johne's Disease by ELISA

Specimen	Animal	SP ratio	Result
1 A Blood, Clotted	Love Affair	-0.003	Negative
2 A Blood, Clotted	Raidne	-0.004	Negative
3 A Blood, Clotted	Loukou	-0.004	Negative
4 A Blood, Clotted	Song	-0.002	Negative
5 A Blood, Clotted	Maybee	-0.003	Negative
6 A Blood, Clotted	Honey Badger	-0.004	Negative
7 A Blood, Clotted	Ovation	-0.004	Negative

# Washington Animal Disease Diagnostic Lab

---

## Johne's Disease by ELISA

Specimen	Animal	SP ratio	Result
8 A Blood, Clotted	Encore	-0.003	Negative
9 A Blood, Clotted	Te Fiti	-0.004	Negative
10 A Blood, Clotted	Kahuna	-0.002	Negative
11 A Blood, Clotted	Nefertiti	-0.002	Negative
12 A Blood, Clotted	Paela	-0.003	Negative
13 A Blood, Clotted	Ooolala	-0.004	Negative
14 A Blood, Clotted	Sapphire	-0.004	Negative
15 A Blood, Clotted	Lilikoi	-0.004	Negative
16 A Blood, Clotted	Lunar	-0.004	Negative

## Lentivirus ELISA goats/sheep

Specimen	Animal	% I	Result
1 A Blood, Clotted	Love Affair	-1.628	Negative
2 A Blood, Clotted	Raidne	-2.755	Negative
3 A Blood, Clotted	Loukou	-3.788	Negative
4 A Blood, Clotted	Song	5.698	Negative
5 A Blood, Clotted	Maybee	4.289	Negative
6 A Blood, Clotted	Honey Badger	6.637	Negative
7 A Blood, Clotted	Ovation	0.814	Negative
8 A Blood, Clotted	Encore	2.974	Negative
9 A Blood, Clotted	Te Fiti	-1.816	Negative
10 A Blood, Clotted	Kahuna	2.411	Negative
11 A Blood, Clotted	Nefertiti	3.256	Negative
12 A Blood, Clotted	Paela	-0.407	Negative
13 A Blood, Clotted	Ooolala	0.250	Negative
14 A Blood, Clotted	Sapphire	3.162	Negative
15 A Blood, Clotted	Lilikoi	1.753	Negative
16 A Blood, Clotted	Lunar	0.814	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.

### 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.*