

# Washington Animal Disease Diagnostic Lab

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**McLam, Christy  
360 Birch Ridge Dr**

**Bradford, VT 05033**

**Case#: 2011-9550  
Report Date: 08/04/11**

Submittal Date: 08/03/11  
Owner: McLam, Christy

Species: Domestic Goat

Age:

Sex:

## Final Report:

**Serology- Reported on 08/04/11** Authorized by James Evermann, Section Head

Please see Serology test interpretation comments at end of report

Sample	Animal	CAE	Caseous	Johne's
1 A Serum	Prima Donna	Neg	Neg	Neg
2 A Serum	Lady Gaga	Neg	Neg	Neg
3 A Serum	Goo Goo Doll	Neg	Neg	Neg
4 A Serum	Lu Lu	Neg	Neg	Neg
5 A Serum	Cindy Lou	Neg	Neg	Neg
6 A Serum	Arabella	Neg	Neg	Neg
7 A Serum	Princess Leah	Neg	Neg	Neg
8 A Serum	Splenda	Neg	Neg	Neg
9 A Serum	Tuesday	Neg	Neg	Neg
10 A Serum	Pipit	Neg	Neg	Neg
11 A Serum	Ophelia	Neg	Neg	Neg
12 A Serum	Miracle	Neg	Neg	Neg
13 A Serum	Melody	Neg	Neg	Neg
14 A Serum	Goldfinch	Neg	Neg	Neg
15 A Serum	Ginny	Neg	Neg	Neg
16 A Serum	Bijou	Neg	Neg	Neg
17 A Serum	Oreo	Neg	Neg	Neg
18 A Serum	Onyx	Neg	Neg	Neg
19 A Serum	Cinnamon	Neg	Neg	Neg
20 A Serum	Gemmalisa	Neg	Neg	Neg
21 A Serum	Gabrielle	Neg	Neg	Neg
22 A Serum	Montezuma Gold	Neg	Neg	Neg
23 A Serum	Aonghas	Neg	Neg	Neg
24 A Serum	Moon Mullican	Neg	Neg	Neg
25 A Serum	Triple Crown	Neg	Neg	Neg
26 A Serum	Vigilante	Neg	Neg	Neg

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### Serology Test interpretation comments:

#### Caprine Arthritis-Encephalitis (C-ELISA) SOP: 203.16.1.05.06.01

Negative No antibody detected. Submit convalescent serum (60-90d) to detect recent exposure.

POSITIVE Antibody present indicating infection, or passively acquired antibody via colostrum or serum therapy.

#### Caseous Lymphadenitis SHI-testing. SOP: 203.9.1.05.07.29

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 or vaccination. Chronic infection cannot be distinguished from residual antibody based on a single sample result in this range. For confirmation of chronic infection, a follow-up serum sample in 4-8 weeks may be of diagnostic value.

#### Johne's Disease (Small Ruminant) ELISA SOP: 203.3.1.06.09.13

Negative: Antibodies to *M. paratuberculosis* were not detected. Animals classified as ELISA- negative are either not infected or not producing antibodies. Retesting in 6-12 months will increase confidence the animal is free of infection.

Positive: Animals with ELISA values in this range are approximately 30-75 times more likely to be *M. paratuberculosis* infected than ELISA negative animals.