

Washington Animal Disease Diagnostic Lab

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RR3 Site 3, Box 12**

**Bentley, AB T0C 0J0
CANADA**

**Case#: 2021-13356
Report Date: 08/31/21**

Submittal Date: 08/26/21
Owner: Topping, Lauren

Species: Domestic Goat
Breed: Nigerian Dwarf Goat

Age:
Sex:

Final Report:

Serology- Reported on 08/31/21 Authorized by James Evermann, Section Head

Please see Serology test interpretation comments at end of report

Sample	Animal	Caseous
1 A Serum	Promise	Neg
2 A Serum	Cowboy	Neg
3 A Serum	Griffin	Neg
4 A Serum	Luna	Neg
5 A Serum	Snowy	Neg
6 A Serum	Sequoia	Neg
7 A Serum	Sarah	Neg
8 A Serum	Trinity	Neg
9 A Serum	Blondie	Neg
10 A Serum	Blush	Neg
11 A Serum	Rainbow	Neg
12 A Serum	Abby	Neg
13 A Serum	Fire	Neg
14 A Serum	Ellie	Neg
15 A Serum	HoneyBee	Neg
16 A Serum	Gia	Neg
17 A Serum	Belle	Neg
18 A Serum	Lyra	Neg
19 A Serum	Hazel	Neg
20 A Serum	Hilda	Neg
21 A Serum	Sunbear	Neg
22 A Serum	Story	Neg
23 A Serum	Star	Neg

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Lentivirus ELISA goats/sheep

Specimen	Animal	% I	Result
1 A Blood Serum	Promise	-1.745	Negative
2 A Blood Serum	Cowboy	9.794	Negative
3 A Blood Serum	Griffin	-1.861	Negative
4 A Blood Serum	Luna	7.037	Negative
5 A Blood Serum	Snowy	20.984	Negative
6 A Blood Serum	Sequoia	5.013	Negative
7 A Blood Serum	Sarah	0.884	Negative
8 A Blood Serum	Trinity	-0.989	Negative
9 A Blood Serum	Blondie	1.163	Negative
10 A Blood Serum	Blush	-2.129	Negative
11 A Blood Serum	Rainbow	-5.188	Negative
12 A Blood Serum	Abby	11.004	Negative
13 A Blood Serum	Fire	14.575	Negative
14 A Blood Serum	Ellie	8.259	Negative
15 A Blood Serum	HoneyBee	1.314	Negative
16 A Blood Serum	Gia	-4.257	Negative
17 A Blood Serum	Belle	0.942	Negative
18 A Blood Serum	Lyra	1.396	Negative
19 A Blood Serum	Hazel	-1.024	Negative
20 A Blood Serum	Hilda	14.424	Negative
21 A Blood Serum	Sunbear	11.690	Negative
22 A Blood Serum	Story	8.875	Negative
23 A Blood Serum	Star	2.606	Negative

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.

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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, please see the Animal Disease FAQ on the WADDL home page.