

Washington Animal Disease Diagnostic Lab

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**Fair, Heather
PO Box 22189**

**Case#: 2014-10222
Report Date: 09/11/14**

Juneau, AK 99802

Submittal Date: 09/04/14
Owner: Fair, Heather

Species: Domestic Goat
Breed: Nigerian Dwarf Goat

Age:
Sex:

Final Report:

Serology- Reported on 09/11/14 Authorized by James Evermann, Section Head

Please see Serology test interpretation comments at end of report

Sample	Animal	Caseous	Johne's	SRLV
1 A Serum	Butterscotch	Neg	Neg	Neg
2 A Serum	Xtreme Grace	Neg	Neg	Neg
3 A Serum	Zsa Zsa	Neg	Neg	Neg
4 A Serum	Zsays Who?	Neg	Neg	Neg
5 A Serum	D5 MacKingbird's Doe	Neg	Neg	Neg
6 A Serum	Yantarni	Neg	Neg	Neg
7 A Serum	D7	Neg	Neg	Neg
8 A Serum	D8 Orangelina	Neg	Neg	Neg
9 A Serum	Yipsy	Neg	Neg	Neg
10 A Serum	Ida Bomb	Neg	Neg	Neg
11 A Serum	Mockingbird	Neg	Neg	Neg
12 A Serum	Terabyte	Neg	Neg	Neg
13 A Serum	Exquisite	Neg	Neg	Neg
14 A Serum	A Flash of Gold	Neg	Neg	Neg
15 A Serum	Alpenglow	Neg	Neg	Neg
16 A Serum	American Beauty	Neg	Neg	Neg
17 A Serum	Amore	Neg	Neg	Neg
18 A Serum	Arabica	Neg	Neg	Neg
19 A Serum	D19 Merlot's Doe	Neg	Neg	Neg
20 A Serum	A Strike of Luck	Neg	Neg	Neg
21 A Serum	Avon Calling	Neg	Neg	Neg
22 A Serum	You're Gonna Luv Me	Neg	Neg	Neg
23 A Serum	Bella Notte	Neg	Neg	Neg
24 A Serum	Bittersweet	Neg	Neg	Neg
25 A Serum	Blonde Bombshell	Neg	Neg	Neg
26 A Serum	D26	Neg	Neg	Neg
27 A Serum	Bloom	Neg	Neg	Neg
28 A Serum	Bohemian Rhapsody	Neg	Neg	Neg

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Sample	Animal	Caseous	Johne's	SRLV
29 A Serum	Boussole	Neg	Neg	Neg
30 A Serum	D30 Flash's Doe	Neg	Neg	Neg
31 A Serum	LV1 C31	Neg	Neg	Neg
32 A Serum	Brazen	Neg	Neg	Neg
33 A Serum	Brillare	Neg	Neg	Neg
34 A Serum	Bleu Bayou	Neg	Neg	Neg
35 A Serum	D35	Neg	Neg	Neg
36 A Serum	D36 Amore Doe	Neg	Neg	Neg
37 A Serum	Merlot	Neg	Neg	Neg
38 A Serum	Sasha	Neg	Neg	Neg
39 A Serum	Fern	Neg	Neg	Neg
40 A Serum	Can I Call You Mine	Neg	Neg	Neg
41 A Serum	Catalyst	Neg	Neg	Neg
42 A Serum	Champagne Supernova	Neg	Neg	Neg
43 A Serum	Chanel No. 5	Neg	Neg	Neg
44 A Serum	LV1 D44	Neg	Neg	Neg
45 A Serum	Chich	Neg	Neg	Neg
46 A Serum	LV1 D46	Neg	Neg	Neg
47 A Serum	Cleopatra	Neg	Neg	Neg
48 A Serum	Crescendo	Neg	Neg	Neg
49 A Serum	Sunni	Neg	Neg	Neg
50 A Serum	Mandisa	Neg	Neg	Neg
51 A Serum	Yarrow	Neg	Neg	Neg
52 A Serum	Don't Sass Me	Neg	Neg	Neg
53 A Serum	C53	Neg	Neg	Neg
54 A Serum	Alpenglow's Doe	Neg	Neg	Neg
55 A Serum	Better Bee Sweet	Neg	Neg	Neg
56 A Serum	Baked Alaska	Neg	Neg	Neg
57 A Serum	Winning Colors	Neg	Neg	Neg
58 A Serum	Pale Blue Dot	Neg	Neg	Neg
59 A Serum	Sea Anemone	Neg	Neg	Neg
60 A Serum	Gayla	Neg	Neg	Neg
61 A Serum	Houdini	Neg	Neg	Neg
62 A Serum	Caramello	Neg	Neg	Neg
63 A Serum	63BW Doe Pen	Neg	Neg	Neg
64 A Serum	Yupik Me	Neg	Neg	Neg
65 A Serum	Zoinks	Neg	Neg	Neg
66 A Serum	MFK A	Neg	Neg	Neg
67 A Serum	MFK A3	Neg	Neg	Neg
68 A Serum	Admiralty	Neg	Neg	Neg
69 A Serum	D29 Gordon	Neg	Neg	Neg
70 A Serum	70	Neg	Neg	Neg
71 A Serum	71	Neg	Neg	Neg
72 A Serum	Cinnamon Grizbuck	Neg	Neg	Neg
73 A Serum	73	Neg	Neg	Neg
74 A Serum	74	Neg	Neg	Neg
75 A Serum	75	Neg	Neg	Neg
76 A Serum	76	Neg	Neg	Neg
77 A Serum	Attu	Neg	Neg	Neg
78 A Serum	Baranof	Neg	Neg	Neg
79 A Serum	Bolero B4	Neg	Neg	Neg
80 A Serum	SLW1 BW	Neg	Neg	Neg

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Sample	Animal	Caseous	Johne's	SRLV
81 A Serum	SLWI C	Neg	Neg	Neg

Serology Test interpretation comments:

Caseous Lymphadenitis SHI-testing. SOP: 203.9.1.2012.12.17

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.

Johne's Disease (Small Ruminant) ELISA SOP: 203.3.1.2014.08.05

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

SRLV - Small Ruminant Lentivirus (CAE/OPP) (cELISA) SOP: 203.16.1.2014.07.22

Negative (Neg): 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 (POS): Antibody to small ruminant lentivirus (SRLV) detected. A positive result indicates infection or passively acquired antibody via colostrum or serum therapy.

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>