



North East Farm & Family Mobile Veterinary Service

**P: (207) 206-5521 - info@neffvet.com
<http://www.neffvet.com>**

**Owner: Larissa Mullen - Tiny Hill Farm (Z1YC) (61)
Patient: Tiny Hill Farm Goats Mullen (295)
Breed: Nigerian Dwarf
Age: 8 years 3 months**

Lab Test: 2/16/2022 - Biosecurity Screen (SRV/CL/Johnes)

Washington Animal Disease Diagnostic Lab

**P.O. Box 647034
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**Dr. Taryn Pearson
NE Farm & Family Vet
2435 Milton Mills Rd**

Acton, ME 04001

**Case#: 2022-2050
Report Date: 02/15/22**

Submittal Date: 02/12/22
Owner: Mullen, Larissa

Species: Domestic Goat
Breed: Nigerian Dwarf Goat

Age:
Sex: Female

Final Report:

Serology- Reported on 02/15/22 Authorized by Claire Burbick, Section Head

Please see Serology test interpretation comments at end of report

Sample	Animal	Caseous
1 A Serum	Beret TINY M7	Neg
2 A Serum	Clarice TINY M2	Neg
3 A Serum	Minerva TINY M18	Neg
4 A Serum	Hazel TINY N6	Neg
5 A Serum	Pixy TINY J1	Neg
6 A Serum	Annika A26 210B-RT	Neg
7 A Serum	Twix TINY K9	Neg
8 A Serum	Milque TINY N16	Neg
9 A Serum	BabyPow TINY K13	Neg
10 A Serum	Lois TINY F3	Neg
11 A Serum	Jeanie TINY N26	Neg
12 A Serum	Floppy TINY N2	Neg
13 A Serum	Sallie TINY M11	Neg
14 A Serum	Sansa TINY E1	Neg
15 A Serum	Bosley TINY K18	Neg
16 A Serum	Stroker TINY N3	Neg
17 A Serum	Linux TINY M12	Neg
18 A Serum	David TINY M9	Neg

Johne's Disease by ELISA

Specimen	Animal	SP ratio	Result
1 A Blood, Serum Separator Tube	Beret TINY M7	-0.002	Negative
2 A Blood, Serum Separator Tube	Clarice TINY M2	-0.010	Negative
3 A Blood, Serum Separator Tube	Minerva TINY M18	-0.003	Negative
4 A Blood, Serum Separator Tube	Hazel TINY N6	0.002	Negative
5 A Blood, Serum Separator Tube	Pixy TINY J1	0.006	Negative

Washington Animal Disease Diagnostic Lab

Johne's Disease by ELISA

Specimen	Animal	SP ratio	Result
6 A Blood, Serum Separator Tube	Annika A26 210B-RT	-0.011	Negative
7 A Blood, Serum Separator Tube	Twix TINY K9	-0.008	Negative
8 A Blood, Serum Separator Tube	Milque TINY N16	-0.009	Negative
9 A Blood, Serum Separator Tube	BabyPow TINY K13	-0.012	Negative
10 A Blood, Serum Separator Tube	Lois TINY F3	-0.015	Negative
11 A Blood, Serum Separator Tube	Jeanie TINY N26	-0.012	Negative
12 A Blood, Serum Separator Tube	Floppy TINY N2	-0.013	Negative
13 A Blood, Serum Separator Tube	Sallie TINY M11	-0.000	Negative
14 A Blood, Serum Separator Tube	Sansa TINY E1	-0.015	Negative
15 A Blood, Serum Separator Tube	Bosley TINY K18	-0.013	Negative
16 A Blood, Serum Separator Tube	Stroker TINY N3	-0.016	Negative
17 A Blood, Serum Separator Tube	Linux TINY M12	-0.015	Negative
18 A Blood, Serum Separator Tube	David TINY M9	-0.014	Negative

Lentivirus ELISA goats/sheep

Specimen	Animal	% I	Result
1 A Blood, Serum Separator Tube	Beret TINY M7	2.549	Negative
2 A Blood, Serum Separator Tube	Clarice TINY M2	-5.797	Negative
3 A Blood, Serum Separator Tube	Minerva TINY M18	-0.275	Negative
4 A Blood, Serum Separator Tube	Hazel TINY N6	3.884	Negative
5 A Blood, Serum Separator Tube	Pixy TINY J1	-1.474	Negative
6 A Blood, Serum Separator Tube	Annika A26 210B-RT	6.590	Negative
7 A Blood, Serum Separator Tube	Twix TINY K9	2.167	Negative
8 A Blood, Serum Separator Tube	Milque TINY N16	2.921	Negative
9 A Blood, Serum Separator Tube	BabyPow TINY K13	2.494	Negative
10 A Blood, Serum Separator Tube	Lois TINY F3	2.058	Negative
11 A Blood, Serum Separator Tube	Jeanie TINY N26	3.094	Negative
12 A Blood, Serum Separator Tube	Floppy TINY N2	0.678	Negative
13 A Blood, Serum Separator Tube	Sallie TINY M11	7.480	Negative
14 A Blood, Serum Separator Tube	Sansa TINY E1	-3.354	Negative
15 A Blood, Serum Separator Tube	Bosley TINY K18	-1.710	Negative
16 A Blood, Serum Separator Tube	Stroker TINY N3	-0.412	Negative
17 A Blood, Serum Separator Tube	Linux TINY M12	3.466	Negative
18 A Blood, Serum Separator Tube	David TINY M9	3.339	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.