

<b>Testing Lab:</b>	TVMDL - College Station	<b>Client:</b>	Muddy Creek Veterinary Service
<b>Case Coordinator:</b>	Carlos Rodriguez		413 Ridge Road
<b>Date Received:</b>	04/19/2022		Fawn Grove, PA 17321
<b>Report Date:</b>	04/22/2022	<b>Owner:</b>	Kelly Mercer
		<b>Veterinarian:</b>	Dr Jaclyn Melvin

## FINAL REPORT

**Medical History:** Medical history not received.

**Animal IDs:** Willow Moon :: Amethyst :: Frida :: Pearl :: Finale :: Tia Marie :: Billy :: Violet :: Bambi :: Moonshadow :: Goldie :: Summer Rose :: Nellie :: Matilda :: Rain Domestic Goat :: NFS / Female  
Timber :: Pepperjack :: Hawkeye Domestic Goat :: NFS / Male

### SEROLOGY

**Test:** Mycobacterium avium subsp. paratuberculosis - Serum or Plasma (ELISA) <sup>1</sup>

Animals::Specimens	Collection Date	Result	Value
Willow Moon :: Serum	04/14/2022	Negative	-0.001
Amethyst :: Serum	04/14/2022	Negative	0.002
Frida :: Serum	04/14/2022	Negative	-0.001
Pearl :: Serum	04/14/2022	Negative	-0.001
Finale :: Serum	04/14/2022	Negative	0.007
Tia Marie :: Serum	04/14/2022	Negative	0.004
Billy :: Serum	04/14/2022	Negative	0.001
Violet :: Serum	04/14/2022	Negative	0.002
Timber :: Serum	04/14/2022	Negative	0.002
Pepperjack :: Serum	04/14/2022	Negative	0.160
Bambi :: Serum	04/14/2022	Negative	-0.003
Moonshadow :: Serum	04/14/2022	Negative	0.000
Goldie :: Serum	04/14/2022	Negative	-0.005
Summer Rose :: Serum	04/14/2022	Negative	-0.004
Nellie :: Serum	04/14/2022	Negative	0.000
Hawkeye :: Serum	04/14/2022	Negative	0.031
Matilda :: Serum	04/14/2022	Negative	0.001
Rain :: Serum	04/14/2022	Negative	-0.001

#### Footnotes

**1:** The USA IDEXX *Mycobacterium paratuberculosis* Antibody Test Kit has not been approved by the USDA for use with small ruminants. However, the same kit is allowed in Europe for small ruminant (caprine/ovine) sample types.

TVMDL's status as an accredited Laboratory by the American Association of Veterinary Laboratory Diagnosticians (AAVLD) requires that each testing protocol have substantial validation data for the species tested. Due to the limited number of submissions from this species, validation of these test results cannot be accomplished within those specifications. However, the results provided here have been confirmed with positive and negative controls and may have value in defining a diagnosis or course of therapy in this case. Cut-off values for the IDEXX Johne's ELISA: negative: S/P <=0.45; suspect: 0.45 < S/P < 0.55; positive: S/P >= 0.55.

**Test:** Small Ruminant Lentivirus (cELISA) <sup>2</sup>

<b>Animals::Specimens</b>	<b>Collection Date</b>	<b>Result</b>	<b>Value</b>
Willow Moon :: Serum	04/14/2022	Negative	6.739
Amethyst :: Serum	04/14/2022	Negative	5.657
Frida :: Serum	04/14/2022	Negative	3.591
Pearl :: Serum	04/14/2022	Negative	5.558
Finale :: Serum	04/14/2022	Negative	10.280
Tia Marie :: Serum	04/14/2022	Negative	7.821
Billy :: Serum	04/14/2022	Negative	11.854
Violet :: Serum	04/14/2022	Negative	8.510
Timber :: Serum	04/14/2022	Negative	10.379
Pepperjack :: Serum	04/14/2022	Negative	11.953
Bambi :: Serum	04/14/2022	Negative	6.936
Moonshadow :: Serum	04/14/2022	Negative	8.313
Goldie :: Serum	04/14/2022	Negative	8.510
Summer Rose :: Serum	04/14/2022	Negative	9.690
Nellie :: Serum	04/14/2022	Negative	12.641
Hawkeye :: Serum	04/14/2022	Negative	10.772
Matilda :: Serum	04/14/2022	Negative	7.624
Rain :: Serum	04/14/2022	Negative	10.576

**Footnotes**

**2:** The VMRD Small Ruminant Lentivirus cELISA detects antibodies against caprine arthritis encephalitis virus (CAEV) in goats or ovine progressive pneumonia/maedi-visna virus (OPPV/MVV) in sheep. The cut-off values for this test are as follows:

--**Negative:** % Inhibition < 35%

--**Positive:** % Inhibition >= 35%

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**Test:** *Corynebacterium pseudotuberculosis* - Caprine/Ovine (SHI) **Animal:** Willow Moon **Specimen:** Serum **Collection date:** 04/14/2022

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**Result**

Negative

For goats and sheep, the routine dilution series for the *Corynebacterium pseudotuberculosis* SHI test is 1:4 through 1:64. Positive samples with titers listed as 64 are actually  $\geq$  to 64.

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**Test:** *Corynebacterium pseudotuberculosis* - Caprine/Ovine (SHI) **Animal:** Amethyst **Specimen:** Serum **Collection date:** 04/14/2022

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**Result**

Negative

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**Test:** *Corynebacterium pseudotuberculosis* - Caprine/Ovine (SHI) **Animal:** Frida **Specimen:** Serum **Collection date:** 04/14/2022

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**Result**

Negative

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**Test:** *Corynebacterium pseudotuberculosis* - Caprine/Ovine (SHI) **Animal:** Pearl **Specimen:** Serum **Collection date:** 04/14/2022

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**Result**

Negative

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**Test:** *Corynebacterium pseudotuberculosis* - Caprine/Ovine (SHI) **Animal:** Finale **Specimen:** Serum **Collection date:** 04/14/2022

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**Result**

Negative

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**Test:** *Corynebacterium pseudotuberculosis* - Caprine/Ovine (SHI) **Animal:** Tia Marie **Specimen:** Serum **Collection date:** 04/14/2022

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**Result**

Negative

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**Test:** *Corynebacterium pseudotuberculosis* - Caprine/Ovine (SHI) **Animal:** Billy **Specimen:** Serum **Collection date:** 04/14/2022

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**Result**

Negative

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**Test:** Corynebacterium pseudotuberculosis - Caprine/Ovine (SHI) **Animal:** Violet **Specimen:** Serum **Collection date:** 04/14/2022

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**Result**

Negative

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**Test:** Corynebacterium pseudotuberculosis - Caprine/Ovine (SHI) **Animal:** Timber **Specimen:** Serum **Collection date:** 04/14/2022

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**Result**

Negative

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**Test:** Corynebacterium pseudotuberculosis - Caprine/Ovine (SHI) **Animal:** Pepperjack **Specimen:** Serum **Collection date:** 04/14/2022

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**Result**

Negative

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**Test:** Corynebacterium pseudotuberculosis - Caprine/Ovine (SHI) **Animal:** Bambi **Specimen:** Serum **Collection date:** 04/14/2022

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**Result**

Negative

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**Test:** Corynebacterium pseudotuberculosis - Caprine/Ovine (SHI) **Animal:** Moonshadow **Specimen:** Serum **Collection date:** 04/14/2022

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**Result**

Negative

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**Test:** Corynebacterium pseudotuberculosis - Caprine/Ovine (SHI) **Animal:** Goldie **Specimen:** Serum **Collection date:** 04/14/2022

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**Result**

Negative

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**Test:** Corynebacterium pseudotuberculosis - Caprine/Ovine (SHI) **Animal:** Summer Rose **Specimen:** Serum **Collection date:** 04/14/2022

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**Result**

Negative

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**Test:** Corynebacterium pseudotuberculosis - Caprine/Ovine (SHI) **Animal:** Nellie **Specimen:** Serum **Collection date:** 04/14/2022

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**Result**

Negative

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**Test:** Corynebacterium pseudotuberculosis - Caprine/Ovine (SHI) **Animal:** Hawkeye **Specimen:** Serum **Collection date:** 04/14/2022

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**Result**

Negative

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**Test:** Corynebacterium pseudotuberculosis - Caprine/Ovine (SHI) **Animal:** Matilda **Specimen:** Serum **Collection date:** 04/14/2022

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**Result**

Negative

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**Test:** Corynebacterium pseudotuberculosis - Caprine/Ovine (SHI) **Animal:** Rain **Specimen:** Serum **Collection date:** 04/14/2022

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**Result**

Negative

**Authorized by:** Carlos Rodriguez  
Serology Section Head