



**UC DAVIS**  
**VETERINARY MEDICINE**

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**CAHFS Accession #: S1901862**

**FINAL REPORT**

**Ref.#:** 28 Clotted blood samples (Goats)

**Coordinator:** Viviana Gonzalez-Astudillo, DVM,  
Resident

**E-Signed and Authorized by:**  
Gonzalez-Astudillo, Viviana on 3/12/2019  
2:57:42PM

**Email To:**  
DAVIS, JENNIFER  
jennifer@hiddenhillsnigerians.com

**Collection Site:**  
DAVIS, JENNIFER  
[Redacted]  
Norco CA 92860  
Riverside County

**This report supersedes all previous reports for this case**

**Specimens Received:** 28 Clotted Blood;

**Date Collected:** 03/05/2019    **Date Received:** 03/06/2019

**Comments:** Hand: Owner paid \$665. Chk# 681.

**Case Contacts**

Submitter    DAVIS, JENNIFER    [Redacted]    Norco    CA    92860

**Specimen Details**

Animal/Source	ID Type	Taxonomy	Gender	Age
1	CAHFS Internal ID	Nigerian Dwarf goat	Mixed	Adult

**Laboratory Findings/Diagnosis**

Twenty-eight clotted blood samples from adult Nigerian Dwarf goats for *Corynebacterium pseudotuberculosis*, CAE, Johne's disease, and Brucella testing:

28/28 concluded

**Clinical History**

Serology testing for CL, CAE, Johnnies, Brucella.

**Immunology**

**Test Specific Comments**

**Caprine arthritis encephalitis / ovine progressive pneumonia antibody cELISA**

\* Results in the suspect range may be caused by early-stage infection, or may be temporary cross-reaction due to recent vaccination, stress, or other illness. Re-testing the animal in 3-4 weeks is recommended. Most suspect results due to temporary cross-reaction revert to negative in this time period.

**Corynebacterium pseudotuberculosis antibody - SHI**

- \* *C. pseudotuberculosis* SHI titers less than 1:8 are not considered significant. Titers may indicate active infection or historic exposure.

In small ruminants, *C. pseudotuberculosis* titers of 1:8 occur with similar frequency in animals with and without active infection and may represent early infection or historic exposure. Titers 1:16-1:32 occur 4 times more often in animals with active infection (vs. those without infection), and titers 1:64- $\geq$ 1:256 occur 8.5 times more often in animals with active infection (vs. those without).

In horses, titers 1:8-1:128 are typically seen in animals with historic infection with or exposure to *C. pseudotuberculosis*, with external infection, or in the early stages of infection. Titers  $\geq$ 1:256 may be seen with active infection (external, internal) or exposure to the organism. In the absence of external abscesses, and with other indicators of chronic inflammation (such as high WBC, high globulin, others), titers  $>$ 1:512 are associated with internal abscess formation.

#### M. paratuberculosis (Johne's Disease) Antibody ELISA

- \* In cattle, *Mycobacterium paratuberculosis* (Johne's disease) ELISA test results are interpreted as negative if less than or equal to 0.450, suspect if greater than 0.450 but less than 0.550, and positive if greater than or equal to 0.550. At the 0.550 cutoff, test sensitivity and specificity are estimated at 68% and 99%, respectively, in cattle.

In sheep and goats, *Mycobacterium paratuberculosis* (Johne's disease) ELISA test results are interpreted as negative if less than or equal to 0.100, suspect if greater than 0.100 but less than 0.300, and positive if greater than or equal to 0.300. At the 0.300 cutoff, test sensitivity and specificity are estimated at 51% and 95%, respectively, in small ruminants.

#### Brucella (*B. melitensis*) 3% Rose Bengal antibody test

Animal/Source	Specimen	Specimen Type	Results
1	(1) Bella Noche	Clotted Blood	Negative
1	(2) Bisou	Clotted Blood	Negative
1	(3) Blossom	Clotted Blood	Negative
1	(4) Crusader	Clotted Blood	Negative
1	(5) Darlin	Clotted Blood	Negative
1	(6) Good Golly	Clotted Blood	Negative
1	(7) Higgs	Clotted Blood	Negative
1	(8) Hippie Chic	Clotted Blood	Negative
1	(9) Jewel	Clotted Blood	Negative
1	(10) Kiss And Tell	Clotted Blood	Negative
1	(11) Spanish Sunrise	Clotted Blood	Negative
1	(12) Little White Lies	Clotted Blood	Negative
1	(13) Material Girl	Clotted Blood	Negative
1	(14) Melody	Clotted Blood	Negative
1	(15) Miss Molly	Clotted Blood	Negative
1	(16) Mystic	Clotted Blood	Negative
1	(17) Dew Lee Noted	Clotted Blood	Negative
1	(18) Butterfly Kiss	Clotted Blood	Negative
1	(19) Penny Lane	Clotted Blood	Negative
1	(20) Pete	Clotted Blood	Negative
1	(21) Red	Clotted Blood	Negative

1	(22) Rose	Clotted Blood	Negative
1	(23) Love Note	Clotted Blood	Negative
1	(24) Wild Child	Clotted Blood	Negative
1	(25) Sallys Sister	Clotted Blood	Negative
1	(26) Bella Contessa	Clotted Blood	Negative
1	(27) Time After Time	Clotted Blood	Negative
1	(28) Valedictorian	Clotted Blood	Negative

**Caprine arthritis encephalitis / ovine progressive pneumonia antibody cELISA**

Animal/Source	Specimen	Specimen Type	Results	
1	(1) Bella Noche	Clotted Blood	13.67	Neg
1	(2) Bisou	Clotted Blood	-0.52	Neg
1	(3) Blossom	Clotted Blood	4.76	Neg
1	(4) Crusader	Clotted Blood	1.79	Neg
1	(5) Darlin	Clotted Blood	-1.95	Neg
1	(6) Good Golly	Clotted Blood	-4.92	Neg
1	(7) Higgs	Clotted Blood	-7.56	Neg
1	(8) Hippie Chic	Clotted Blood	4.1	Neg
1	(9) Jewel	Clotted Blood	6.41	Neg
1	(10) Kiss And Tell	Clotted Blood	3.88	Neg
1	(11) Spanish Sunrise	Clotted Blood	7.84	Neg
1	(12) Little White Lies	Clotted Blood	0.03	Neg
1	(13) Material Girl	Clotted Blood	-7.56	Neg
1	(14) Melody	Clotted Blood	0.69	Neg
1	(15) Miss Molly	Clotted Blood	-5.91	Neg
1	(16) Mystic	Clotted Blood	2.01	Neg
1	(17) Dew Lee Noted	Clotted Blood	3.22	Neg
1	(18) Butterfly Kiss	Clotted Blood	-2.5	Neg
1	(19) Penny Lane	Clotted Blood	8.72	Neg
1	(20) Pete	Clotted Blood	0.36	Neg
1	(21) Red	Clotted Blood	-3.38	Neg
1	(22) Rose	Clotted Blood	0.91	Neg
1	(23) Love Note	Clotted Blood	-3.16	Neg
1	(24) Wild Child	Clotted Blood	-0.41	Neg
1	(25) Sallys Sister	Clotted Blood	0.58	Neg
1	(26) Bella Contessa	Clotted Blood	-1.07	Neg
1	(27) Time After Time	Clotted Blood	2.56	Neg
1	(28) Valedictorian	Clotted Blood	0.14	Neg

**Corynebacterium pseudotuberculosis antibody - SHI**

Animal/Source	Specimen	Specimen Type	Results
1	(1) Bella Noche	Clotted Blood	Neg @1:8
1	(2) Bisou	Clotted Blood	Neg @1:8
1	(3) Blossom	Clotted Blood	Neg @1:8
1	(4) Crusader	Clotted Blood	Neg @1:8
1	(5) Darlin	Clotted Blood	Neg @1:8
1	(6) Good Golly	Clotted Blood	Neg @1:8
1	(7) Higgs	Clotted Blood	Neg @1:8
1	(8) Hippie Chic	Clotted Blood	Neg @1:8
1	(9) Jewel	Clotted Blood	Neg @1:8
1	(10) Kiss And Tell	Clotted Blood	Neg @1:8
1	(11) Spanish Sunrise	Clotted Blood	Neg @1:8
1	(12) Little White Lies	Clotted Blood	Neg @1:8
1	(13) Material Girl	Clotted Blood	Neg @1:8
1	(14) Melody	Clotted Blood	Neg @1:8
1	(15) Miss Molly	Clotted Blood	Neg @1:8
1	(16) Mystic	Clotted Blood	Neg @1:8
1	(17) Dew Lee Noted	Clotted Blood	Neg @1:8
1	(18) Butterfly Kiss	Clotted Blood	Neg @1:8
1	(19) Penny Lane	Clotted Blood	Neg @1:8
1	(20) Pete	Clotted Blood	Neg @1:8
1	(21) Red	Clotted Blood	Neg @1:8
1	(22) Rose	Clotted Blood	Neg @1:8
1	(23) Love Note	Clotted Blood	Neg @1:8
1	(24) Wild Child	Clotted Blood	Neg @1:8
1	(25) Sallys Sister	Clotted Blood	Neg @1:8
1	(26) Bella Contessa	Clotted Blood	Neg @1:8
1	(27) Time After Time	Clotted Blood	Neg @1:8
1	(28) Valedictorian	Clotted Blood	Neg @1:8

**M. paratuberculosis (Johne Disease) Antibody ELISA**

Animal/Source	Specimen	Specimen Type	Results
1	(1) Bella Noche	Clotted Blood	0.00
1	(2) Bisou	Clotted Blood	0.00
1	(3) Blossom	Clotted Blood	0.00
1	(4) Crusader	Clotted Blood	0.00

1	(5) Darlin	Clotted Blood	0.00
1	(6) Good Golly	Clotted Blood	0.001
1	(7) Higgs	Clotted Blood	0.003
1	(8) Hippie Chic	Clotted Blood	0.00
1	(9) Jewel	Clotted Blood	0.00
1	(10) Kiss And Tell	Clotted Blood	0.00
1	(11) Spanish Sunrise	Clotted Blood	0.001
1	(12) Little White Lies	Clotted Blood	0.00
1	(13) Material Girl	Clotted Blood	0.001
1	(14) Melody	Clotted Blood	0.00
1	(15) Miss Molly	Clotted Blood	0.00
1	(16) Mystic	Clotted Blood	0.001
1	(17) Dew Lee Noted	Clotted Blood	0.002
1	(18) Butterfly Kiss	Clotted Blood	0.00
1	(19) Penny Lane	Clotted Blood	0.001
1	(20) Pete	Clotted Blood	0.00
1	(21) Red	Clotted Blood	0.00
1	(22) Rose	Clotted Blood	0.00
1	(23) Love Note	Clotted Blood	0.001
1	(24) Wild Child	Clotted Blood	0.003
1	(25) Sallys Sister	Clotted Blood	0.001
1	(26) Bella Contessa	Clotted Blood	0.00
1	(27) Time After Time	Clotted Blood	0.012
1	(28) Valedictorian	Clotted Blood	0.00