



Veterinary Diagnostic Laboratory
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Report Date: 6/7/2018 2:12:13 PM
 Sent By: Monica Estay

Final Report

Date Received: 5/30/2018 3:45 PM **Case Coordinator:** Christie Mayo, DVM, PhD **Accession No:** F18-0054653
Owner: Keith Gunn
Owner/Producer: Sunflower Ranch - Keith Gunn

SUNFLOWER RANCH
 KEITH GUNN
 15445 POWHATON ROAD
 BRIGHTON CO 80603

Phone: (303) 641-0301
 Email: keithgunn18@yahoo.com

Case Contacts

Owner	Sunflower Ranch Keith Gunn
Submitter	

Animal Information

Name	Taxonomy
Gretta	Caprine
Enlighten	Caprine
Elicia	Caprine
Erica	Caprine
Fire Fly	Caprine
Essence	Caprine
Envy	Caprine
Felicia	Caprine
Gina	Caprine
Gertie	Caprine
Francis	Caprine
Frenzy	Caprine
FiFi	Caprine
Furturity	Caprine
Freedom	Caprine
Glory	Caprine
Fireworks	Caprine
Frawn	Caprine
Fresian	Caprine
Florence	Caprine
Gwen	Caprine
Flora	Caprine
Gretchen	Caprine
Flanna	Caprine
Heidi	Caprine
Farrah	Caprine
Georgia	Caprine
Fortune	Caprine
Gia	Caprine
Hailey	Caprine
Gaby	Caprine
Gracie	Caprine
Giles	Caprine
Fabio	Caprine
Fallon	Caprine
Forest	Caprine

Name	Taxonomy
Fletcher	Caprine
Flynn	Caprine
Gavin	Caprine

Lab Findings

Bacteriology

Brucella abortus serology card - 6/4/2018 12:11 PM

Specimen **Brucella abortus antibody**

Gretta	
Serum - 1	Not detected
Enlighten	
Serum - 4	Not detected
Elicia	
Serum - 7	Not detected
Erica	
Serum - 10	Not detected
Fire Fly	
Serum - 13	Not detected
Essence	
Serum - 16	Not detected
Envy	
Serum - 19	Not detected
Felicia	
Serum - 22	Not detected
Gina	
Serum - 25	Not detected
Gertie	
Serum - 28	Not detected
Francis	
Serum - 31	Not detected
Frenzy	
Serum - 34	Not detected
FiFi	
Serum - 37	Not detected
Furturity	
Serum - 40	Not detected
Freedom	
Serum - 43	Not detected
Glory	
Serum - 46	Not detected
Fireworks	
Serum - 49	Not detected
Frawn	
Serum - 52	Not detected
Fresian	
Serum - 55	Not detected
Florence	
Serum - 58	Not detected
Gwen	
Serum - 61	Not detected
Flora	
Serum - 64	Not detected

Brucella abortus serology card - 6/4/2018 12:11 PM**Specimen** **Brucella abortus antibody**

Gretchen	
Serum - 67	Not detected
Flanna	
Serum - 70	Not detected
Heidi	
Serum - 73	Not detected
Farrah	
Serum - 76	Not detected
Georgia	
Serum - 79	Not detected
Fortune	
Serum - 82	Not detected
Gia	
Serum - 85	Not detected
Hailey	
Serum - 88	Not detected
Gaby	
Serum - 91	Not detected
Gracie	
Serum - 94	Not detected
Giles	
Serum - 97	Not detected
Fabio	
Serum - 100	Not detected
Fallon	
Serum - 103	Not detected
Forest	
Serum - 106	Not detected
Fletcher	
Serum - 109	Not detected
Flynn	
Serum - 112	Not detected
Gavin	
Serum - 115	Not detected

Mycobacterium avium spp. paratuberculosis (Johnes) antibody AGID - 6/4/2018 12:11 PM**Specimen** **Mycobacterium avium spp. paratuberculosis antibody**

Gretta	
Serum - 1	Not detected
Enlighten	
Serum - 4	Not detected
Elicia	
Serum - 7	Not detected
Erica	
Serum - 10	Not detected
Fire Fly	
Serum - 13	Not detected
Essence	
Serum - 16	Not detected
Envy	
Serum - 19	Not detected
Felicia	
Serum - 22	Not detected

Mycobacterium avium spp. paratuberculosis (Johnes) antibody AGID - 6/4/2018 12:11 PM

Specimen	Mycobacterium avium spp. paratuberculosis antibody
Gina	
Serum - 25	Not detected
Gertie	
Serum - 28	Not detected
Francis	
Serum - 31	Not detected
Frenzy	
Serum - 34	Not detected
FiFi	
Serum - 37	Not detected
Furturity	
Serum - 40	Not detected
Freedom	
Serum - 43	Not detected
Glory	
Serum - 46	Not detected
Fireworks	
Serum - 49	Not detected
Frawn	
Serum - 52	Not detected
Fresian	
Serum - 55	Not detected
Florence	
Serum - 58	Not detected
Gwen	
Serum - 61	Not detected
Flora	
Serum - 64	Not detected
Gretchen	
Serum - 67	Not detected
Flanna	
Serum - 70	Not detected
Heidi	
Serum - 73	Not detected
Farrah	
Serum - 76	Not detected
Georgia	
Serum - 79	Not detected
Fortune	
Serum - 82	Not detected
Gia	
Serum - 85	Not detected
Hailey	
Serum - 88	Not detected
Gaby	
Serum - 91	Not detected
Gracie	
Serum - 94	Not detected
Giles	
Serum - 97	Not detected
Fabio	
Serum - 100	Not detected

Mycobacterium avium spp. paratuberculosis (Johnes) antibody AGID - 6/4/2018 12:11 PM

Specimen	Result
Fallon	
Serum - 103	Not detected
Forest	
Serum - 106	Not detected
Fletcher	
Serum - 109	Not detected
Flynn	
Serum - 112	Not detected
Gavin	
Serum - 115	Not detected

Special Services

Referral laboratory send out - 6/7/2018 7:38 AM

Specimen	Comment
Gretta	
Serum - 1	Please see attached results from CAHFS for C. Pseudotuberculosis SHI
Enlighten	
Serum - 4	Please see attached
Elicia	
Serum - 7	Please see attached
Erica	
Serum - 10	Please see attached
Fire Fly	
Serum - 13	Please see attached
Essence	
Serum - 16	Please see attached
Envy	
Serum - 19	Please see attached
Felicia	
Serum - 22	Please see attached
Gina	
Serum - 25	Please see attached
Gertie	
Serum - 28	Please see attached
Francis	
Serum - 31	Please see attached
Frenzy	
Serum - 34	Please see attached
FiFi	
Serum - 37	Please see attached
Furturity	
Serum - 40	Please see attached
Freedom	
Serum - 43	Please see attached
Glory	
Serum - 46	Please see attached
Fireworks	
Serum - 49	Please see attached
Frawn	
Serum - 52	Please see attached
Fresian	
Serum - 55	Please see attached

Referral laboratory send out - 6/7/2018 7:38 AM

Specimen	Comment
Florence	
Serum - 58	Please see attached
Gwen	
Serum - 61	Please see attached
Flora	
Serum - 64	Please see attached
Gretchen	
Serum - 67	Please see attached
Flanna	
Serum - 70	Please see attached
Heidi	
Serum - 73	Please see attached
Farrah	
Serum - 76	Please see attached
Georgia	
Serum - 79	Please see attached
Fortune	
Serum - 82	Please see attached
Gia	
Serum - 85	Please see attached
Hailey	
Serum - 88	Please see attached
Gaby	
Serum - 91	Please see attached
Gracie	
Serum - 94	Please see attached
Giles	
Serum - 97	Please see attached
Fabio	
Serum - 100	Please see attached
Fallon	
Serum - 103	Please see attached
Forest	
Serum - 106	Please see attached
Fletcher	
Serum - 109	Please see attached
Flynn	
Serum - 112	Please see attached
Gavin	
Serum - 115	Please see attached

Virology

Caprine arthritis encephalitis virus (CAEV) antibody AGID - 6/7/2018 2:11 PM

Specimen	Antibody
Gretta	
Serum - 1	Not detected
Enlighten	
Serum - 4	Not detected
Elicia	
Serum - 7	Not detected
Erica	
Serum - 10	Not detected

Caprine arthritis encephalitis virus (CAEV) antibody AGID - 6/7/2018 2:11 PM

Specimen	Antibody
Fire Fly Serum - 13	Not detected
Essence Serum - 16	Not detected
Envy Serum - 19	Not detected
Felicia Serum - 22	Not detected
Gina Serum - 25	Not detected
Gertie Serum - 28	Not detected
Francis Serum - 31	Not detected
Frenzy Serum - 34	Not detected
FiFi Serum - 37	Not detected
Furturity Serum - 40	Not detected
Freedom Serum - 43	Not detected
Glory Serum - 46	Not detected
Fireworks Serum - 49	Not detected
Frawn Serum - 52	Not detected
Fresian Serum - 55	Not detected
Florence Serum - 58	Not detected
Gwen Serum - 61	Not detected
Flora Serum - 64	Not detected
Gretchen Serum - 67	Not detected
Flanna Serum - 70	Not detected
Heidi Serum - 73	Not detected
Farrah Serum - 76	Not detected
Georgia Serum - 79	Not detected
Fortune Serum - 82	Not detected
Gia Serum - 85	Not detected
Hailey Serum - 88	Not detected

Caprine arthritis encephalitis virus (CAEV) antibody AGID - 6/7/2018 2:11 PM

Specimen	Antibody
Gaby	
Serum - 91	Not detected
Gracie	
Serum - 94	Not detected
Giles	
Serum - 97	Not detected
Fabio	
Serum - 100	Not detected
Fallon	
Serum - 103	Not detected
Forest	
Serum - 106	Not detected
Fletcher	
Serum - 109	Not detected
Flynn	
Serum - 112	Not detected
Gavin	
Serum - 115	Not detected

Client Report History

Report Type	Delivery Method	Sent To	Date Sent
Preliminary	Email	keithgunn18@yahoo.com	6/4/2018 12:14 PM
Interim	Email	keithgunn18@yahoo.com	6/7/2018 7:39 AM
Final	Email	keithgunn18@yahoo.com	6/7/2018 2:12 PM

-Thank you for choosing CSU for your diagnostic services. If you have any questions about test interpretation, we are happy to provide assistance. Please consult a licensed veterinarian regarding treatment options and management decisions.-

The CSU Veterinary Diagnostic Laboratories have launched a new laboratory information management system (LIMS). This has resulted in a change to our report formatting. If you have any questions or feedback concerning the format or content of this report, please contact us at 970-297-1281. Thank you!



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CAHFS Accession #: D1807543

FINAL REPORT

Ref.#: F180054653(1-39)/Sunflower Ranch

Coordinator: Ashley Hill, DVM, MPVM, PhD

E-Signed and Authorized by: Hill, Ashley on
6/6/2018 5:02:31PM

Email To:
CSU VET DIAGNOSTIC LAB
sendouts@colostate.edu

Collection Site:
CSU VET DIAGNOSTIC LAB-FT LUPTON VET
HOSP
300 W DRAKE RD E 100
Fort Collins CO 80526
Larimer County

This report supersedes all previous reports for this case

Specimens Received: 39 Serum;

Date Collected: 05/30/2018 Date Received: 06/01/2018

Comments: 39 serum

Case Contacts

Submitter CSU VET DIAGNOSTIC LAB 970-297-1281 300 W Drake Rd E 100 Fort Collins CO 80526

Specimen Details

Animal/Source	ID Type	Taxonomy	Gender	Age
1	CAHFS Internal ID	Caprine		

Laboratory Findings/Diagnosis

39 of 39 negative for antibodies to *Corynebacterium pseudotuberculosis*.

Immunology

Test Specific Comments

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->=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 >=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.

Corynebacterium pseudotuberculosis antibody - SHI

Animal/Source	Specimen	Specimen Type	Results
1	(1) Gretta-F180054653	Serum	Neg @1:8

1	(2) Enlighten-F1800546 53	Serum	Neg @1:8
1	(3) Elicia-F180054653	Serum	Neg @1:8
1	(4) Erica-F180054653	Serum	Neg @1:8
1	(5) Fire Fly-F180054653	Serum	Neg @1:8
1	(6) Essence-F1800546 53	Serum	Neg @1:8
1	(7) Envy-F180054653	Serum	Neg @1:8
1	(8) Felicia-F180054653	Serum	Neg @1:8
1	(9) Gina-F180054653	Serum	Neg @1:8
1	(10) Gertie-F180054653	Serum	Neg @1:8
1	(11) Francis-F18005465 3	Serum	Neg @1:8
1	(12) Frenzy-F180054653	Serum	Neg @1:8
1	(13) FiFi-F180054653	Serum	Neg @1:8
1	(14) Futurity-F18005465 3	Serum	Neg @1:8
1	(15) Freedom-F1800546 53	Serum	Neg @1:8
1	(16) Glory-F180054653	Serum	Neg @1:8
1	(17) Fireworks-F180054 653	Serum	Neg @1:8
1	(18) Frawn-F180054653	Serum	Neg @1:8
1	(19) Fresian-F18005465 3	Serum	Neg @1:8
1	(20) Florence-F1800546 53	Serum	Neg @1:8
1	(21) Gwen-F180054653	Serum	Neg @1:8
1	(22) Flora-F180054653	Serum	Neg @1:8
1	(23) Gretchen-F1800546 53	Serum	Neg @1:8

1	(24) Flanna-F180054653	Serum	Neg @1:8
1	(25) Heidi-F180054653	Serum	Neg @1:8
1	(26) Farrah-F180054653	Serum	Neg @1:8
1	(27) Georgia-F18005465 3	Serum	Neg @1:8
1	(28) Fortune-F18005465 3	Serum	Neg @1:8
1	(29) Gia-F180054653	Serum	Neg @1:8
1	(30) Hailey-F180054653	Serum	Neg @1:8
1	(31) Gaby-F180054653	Serum	Neg @1:8
1	(32) Gracie-F180054653	Serum	Neg @1:8
1	(33) Gilles-F180054653	Serum	Neg @1:8
1	(34) Fabio-F180054653	Serum	Neg @1:8
1	(35) Fallon-F180054653	Serum	Neg @1:8
1	(36) Forest-F180054653	Serum	Neg @1:8
1	(37) Fletcher-F18005465 3	Serum	Neg @1:8
1	(38) Flynn-F180054653	Serum	Neg @1:8
1	(39) Gavin-F180054653	Serum	Neg @1:8