



240 Farrier Road, Cornell University, Ithaca, NY 14853
Ph: 607-253-3900 Fax: 607-253-3943
https://ahdc.vet.cornell.edu

Finalized Report

Owner: Sarah Greenleaf

Accession Number: **029815-22**

Dr Mike Gast - (131690)
Dr Michael Gast
Po Box 563
Purcellville, VA 20134
(540) 535-8431

Sampled: 02/12/2022
Received: 02/16/2022
Finalized: 02/21/2022

Accession Related

607-253-3900

Not Tested

Item	Result	Reference Interval
1 Valentina - Bovine Guernsey Female Serum	Not Tested For: Johne's PCR Reason: We received serum only when feces is required for Johne's PCR testing. jlt9 2/16/22	
2 Elliana - Bovine Guernsey Female Serum	Not Tested For: Johne's PCR Reason: We received serum only when feces is required for Johne's PCR testing. jlt9 2/16/22	
3 Valencia - Bovine Guernsey Female Serum	Not Tested For: Johne's PCR Reason: We received serum only when feces is required for Johne's PCR testing. jlt9 2/16/22	
4 Diamond - Bovine Guernsey Female Serum	Not Tested For: Johne's PCR Reason: We received serum only when feces is required for Johne's PCR testing. jlt9 2/16/22	
5 Victoria - Bovine Guernsey Female Serum	Not Tested For: Johne's PCR Reason: We received serum only when feces is required for Johne's PCR testing. jlt9 2/16/22	

Serology/Immunology

Director Dr. Bettina Wagner - 607-253-3900

Johne's (MAP) Commercial ELISA

Item	Result	Reference Interval
1 Valentina - Bovine Guernsey Female Serum	Negative; 0.209	
2 Elliana - Bovine Guernsey Female Serum	Negative; 0.232	
3 Valencia - Bovine Guernsey Female Serum	Negative; 0.206	
4 Diamond - Bovine Guernsey Female Serum	Negative; 0.096	
5 Victoria - Bovine Guernsey Female Serum	Negative; 0.414	

Test Interpretations

Report Generation Date: 2/21/2022 12:35:34PM

Finalized Report

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Johne's (MAP) Commercial ELISA

A Positive result indicates the presence of antibodies, suggesting that the animal is likely to be infected with *M. paratuberculosis*. Confirmation of infection with *M. paratuberculosis* by fecal culture or PCR is highly recommended. A Negative result on a single animal can only be interpreted when the paratuberculosis history and test results of the entire herd are known. Development of antibodies is a late stage event in the course of infection. Infected animals can be antibody negative for months to years.

Important Additional Notes: As with any biological test, this test may occasionally give a false positive or false negative result due to local conditions within the herd or region. A test should be interpreted in the context of all available clinical, historical and epidemiological information relevant to the animal(s) or herd under test. As of 4/03/2017 the Cutoff is:

< 0.70 Negative
>=0.70 Positive

This test is validated and USDA licensed for the detection of MAP specific antibodies in bovine serum or plasma and caprine serum .

Virology

Director Dr. Diego Diel - 607-253-3900

Bovine Leukosis Virus (BLV) ELISA

Item	Result	Reference Interval
1 Valentina - Bovine Guernsey Female Serum	Negative 14%	
2 Elliana - Bovine Guernsey Female Serum	Negative 0%	
3 Valencia - Bovine Guernsey Female Serum	Negative 0%	
4 Diamond - Bovine Guernsey Female Serum	Negative 0%	
5 Victoria - Bovine Guernsey Female Serum	Negative 0%	

Bovine Virus Diarrhea Ag Capt ELISA

Item	Result	Reference Interval
1 Valentina - Bovine Guernsey Female Serum	Negative	
2 Elliana - Bovine Guernsey Female Serum	Negative	
3 Valencia - Bovine Guernsey Female Serum	Negative	
4 Diamond - Bovine Guernsey Female Serum	Negative	
5 Victoria - Bovine Guernsey Female Serum	Negative	

Test Interpretations

Bovine Leukosis Virus (BLV) ELISA

Currently the AHDC uses ELISA kits supplied by two different manufacturers for the detection of antibodies against BLV . If you receive a % inhibition value in addition to your result the blocking ELISA was used. This value is calculated for each test serum and the test kit was licensed using a cut-off value of 45%. Above 45% = positive. Animals with values between 35% and 45% are considered suspects and should be retested 3-4 weeks after the initial sampling. Testing of animals less than 6 months of age on either ELISA could lead to a false positive test result due to passively acquired maternal antibodies.