



Animal Health Diagnostic Center

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<https://ahdc.vet.cornell.edu>

Owner: Sarah Greenleaf

Finalized Report

Accession Number: **080604-23**

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Sampled: 03/08/2023
Received: 04/12/2023
Finalized: 04/14/2023
Reference Number: Sarah Greenleaf

Serology/Immunology

Director Dr. Bettina Wagner - 607-253-3900

Johne's (MAP) Commercial ELISA

Item	Result	Reference Interval
1 840003236597138 - Bovine Guernsey Female Serum	Negative; 0.117	
2 840003236605601 - Bovine Guernsey Female Serum	Negative; 0.206	

Test Interpretations

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 840003236597138 - Bovine Guernsey Female Serum	Negative 7%	
2 840003236605601 - Bovine Guernsey Female Serum	Negative 7%	

Bovine Viral Diarrhea Virus Ag Capture ELISA (ACE)

Bovine Viral Diarrhea Virus Ag Capture ELISA (ACE)

Item	Result	Reference Interval
1 840003236597138 - Bovine Guernsey Female Serum	Negative	
2 840003236605601 - 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.