

Ticknology Test report

5/24/2017

Name: Jane Doe
Test Order Number: R534633409
Date Ordered: 05/19/17
Date Received: 05/22/17
Test Analysis: 05/24/17
Specimen identification: Adult female deer tick



Image of specimen

TEST ASSESSMENT

The results for the submitted specimen are fully consistent with the presence of both *Borrelia burgdorferi* (sensu lato) and *Babesia microti*, and the absence of all other pathogens tested (see table below). My interpretation of these results is based on quantitative thresholds as well as direct comparisons to control groups performed in parallel.

TEST TYPE

Ticknology Tick Tests detect the presence or absence of DNA associated with the indicated pathogens using a PCR-based method. A “positive” result indicates the presence of the pathogen while a “negative” result indicates the absence of the pathogen in the submitted sample. Our tests are highly sensitive and accurate (> 99%). All tests include both a positive and negative control performed in parallel to ensure the validity of our results.

Summary of Test Results

Pathogen	Associated human disease	Test results
<i>Borrelia</i> general species	Borreliosis	Positive
<i>Borrelia burgdorferi</i> (sensu lato)	Lyme disease	Positive
<i>Borrelia mayonii</i>	Lyme disease	Negative
<i>Borrelia miyamotoi</i>	unknown	Negative
<i>Anaplasma phagocytophilum</i>	Anaplasmosis	Negative
<i>Babesia microti</i>	Babesiosis	Positive
<i>Rickettsia rickettsii</i>	Rocky Mtn. spotted fever	Negative
<i>Rickettsia parkeri</i>	Spotted Fever Rickettsiosis	Negative
<i>Ehrlichia chaffeensis</i>	Ehrlichiosis	Negative
<i>Ehrlichia ewingii</i>	Ehrlichiosis	Negative
<i>Francisella tularensis</i>	Tularemia	Negative
positive control	not applicable	Positive
negative control	not applicable	Negative

IMPLICATIONS AND LIMITATIONS OF TICK TESTING

Ticknology tick testing services can be used to determine the risk of exposure to tick-borne pathogens. Our tests utilize a proven highly specific and sensitive method for detecting the presence or absence of DNA associated with the specific pathogens advertised. Thus, it is encouraged that test results be shared immediately with a physician during a consultation.

Our tests are not a substitute for clinical testing, and even though a tick may be positive, it does not necessarily mean that the pathogen has been transmitted to the host. Tick tests do not provide a clinical diagnosis of disease. We do not practice medicine nor do we provide medical advice.

Results from your tick test are kept private and individuals' names and personal information remain completely anonymous. Information about the submitter is used only for the purpose of tracking the sample, handling the payment and any further communication when necessary. Tick tests are not typically covered by medical insurance even though our consultants, and possibly your physician, may advocate having the tick analyzed for risk of infection.

CONTACT INFORMATION

All inquiries should be sent to Heather Szerlong, Ph.D. at hszerlong@ticknology.org or by phone (970) 305-5587. We will store your specimen sample for 1 year unless special requests are made.

TEST REPORT APPROVAL

The undersigned acknowledge they have reviewed the Test Report and agree with the approach, results and assessment it presents.