

**UNIVERSAL TICK TEST**  
UNREDACTED RESULTS SENT VIA PRIVATE EMAIL

**Name:** [REDACTED]  
**Order #:** 26579.1  
**Confirmation #:** 23134.1  
**Date Received:** 10/24/2024 2:58:25 PM  
**Test Analysis:** 10/25/2024 10:19:56 AM  
**Tick Bite Date:** 10/18/2024  
**Tick Location:** [REDACTED], New York  
**Tick Identification:** Female Deer tick



**TEST ASSESSMENT**

The results for the submitted specimen are fully consistent with the presence of both *Borrelia burgdorferi* (Lyme) and *Borrelia miyamotoi* (hard tick relapsing fever), and the absence of all other pathogens tested including *Bartonella*, *Anaplasma* and *Babesia microti* (see table below). My interpretation of these results are 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 or RNA 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. All tests include both a positive and negative control performed in parallel to ensure the validity of our results.

**SUMMARY OF TEST RESULTS**

<b>Pathogen</b>	<b>Associated Human Disease</b>	<b>Test Result</b>
Tick DNA/RNA	Positive Control	Pass
<i>Borrelia</i> species (broad detection)	Borreliosis	Positive
<i>Borrelia burgdorferi</i>	Lyme	Positive
<i>Borrelia mayonii</i>	Lyme	Negative
<i>Borrelia miyamotoi</i>	Relapsing fever	Positive
<i>Anaplasma phagocytophilum</i>	Anaplasmosis	Negative
<i>Babesia microti</i>	Babesiosis	Negative
<i>Babesia duncani</i>	Babesiosis	Negative
<i>Bartonella</i> species (broad detection)	Bartonellosis	Negative
<i>Rickettsia rickettsii</i>	Rocky Mtn. spotted fever	Negative
<i>Rickettsia parkeri</i>	Rickettsiosis	Negative
<i>Ehrlichia chaffeensis</i>	Ehrlichiosis	Negative
<i>Ehrlichia ewingii</i>	Ehrlichiosis	Negative
<i>Francisella tularensis</i>	Tularemia	Negative
<i>Ehrlichia muris eauclairensis</i>	Ehrlichiosis	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 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 [REDACTED]. We will store your specimen sample for 1 year unless special requests are made.

[REDACTED]