TICKNOLOGY

# UNIVERSAL TICK TEST

UNREDACTED RESULTS SENT VIA PRIVATE EMAIL

**Name:** [REDACTED]
**Order #:** 27877.1
**Confirmation #:** 23752.1
**Date Received:** 1/17/2025 3:53:10 PM
**Test Analysis:** 1/18/2025 12:30:41 PM
**Tick Bite Date:** 1/12/2025
**Tick Location:** [REDACTED], California
**Tick Identification:** Female Western blacklegged tick

## TEST ASSESSMENT

**The results for the submitted specimen are fully consistent with the presence of Borrelia burgdorferi (sensu lato), and the absence of all other pathogens tested including Bartonella, Anaplasma and Babesia duncani (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

| Pathogen | Associated Human Disease | Test Result |
|---|---|---|
| Tick DNA/RNA | Positive Control | Pass |
| Borrelia species (broad detection) | Borreliosis | Positive |
| Borrelia burgdorferi | Lyme | Positive |
| Borrelia mayonii | Lyme | Negative |
| Borrelia miyamotoi | Relapsing fever | Negative |
| Anaplasma phagocytophilum | Anaplasmosis | Negative |
| Babesia microti | Babesiosis | Negative |
| Babesia duncani | Babesiosis | Negative |
| Bartonella species (broad detection) | Bartonellosis | Negative |
| Rickettsia rickettsii | Rocky Mtn. spotted fever | Negative |
| Rickettsia parkeri | Rickettsiosis | Negative |
| Ehrlichia chaffeensis | Ehrlichiosis | Negative |
| Ehrlichia ewingii | Ehrlichiosis | Negative |
| Francisella tularensis | Tularemia | Negative |
| Ehrlichia muris eauclairensis | 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]