

# Tick-Borne Pathogens

**Molecular Diagnostics** 

Complete sections 1 and 2 and submit to the address at the bottom of this form. A copy of this Tick Submission Form must accompany the tick specimen(s).

# **SECTION 1 - TICK SUBMISSION FORM**

# Name Date Collected/Removed Address (Optional) Probable location where tick was acquired Telephone Host (e.g., human, dog, etc.) Email

I have read and accept the Limitation of Liability and Terms and Conditions outlined on Page 3

Initials

## **SECTION 2 – PAYMENT INFORMATION**

The most common test we run is for *Borrelia burgdorferi*, the causative agent of **Lyme Disease**. However, we also offer a 6-in-1 testing service, where we test for: **Lyme**, **Anaplasmosis**, **Babesiosis**, **TBRF** (Tick Borne Relapsing Fever), **POW** (Powassan Virus) and **RMSF** (Rocky Mountain Spotted Fever). If multiple ticks are submitted with a single Tick Submission Form, they will be processed together. Should you want ticks to be tested individually, please contact us before shipping.

Service (and price)	Select Service
Lyme disease only - 7 day turnaround ( $$69 + 13\% \text{ HST} = $77.97$ )	
Lyme disease only – RUSH - 36 hour turnaround ( $$149 + 13\%$ HST = $$168.37$ )	
6-in-1 testing for all 6 pathogens - 7 day turnaround ( $$139 + 13\%$ HST = $$157.07$ )	
6-in-1 testing for all 6 pathogens – RUSH - 36 hour turnaround ( $$219 + 13\%$ HST = $$247.47$ )	

Name on Credit Card		
Credit Card Number		
Expiry Date	CVV	
Signature		

SECTION 3 - TICK INFORMATION (To be completed by Entomogen)
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Date Received: Species: Tick ID No.: Stage:

Number of Ticks Submitted: Engorgement Status:





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## TICK SUBMISSION INSTRUCTIONS

Please take time to read through the instructions and disclaimers below. Submissions that arrive in poor condition may take longer to process.

### HOW TO COLLECT TICK SAMPLES

- 1. Use fine-tipped tweezers to grab the tick as close to the skin's surface as possible.
- 2. Pull upward with steady, even pressure. Don't twist or jerk the tick because this can cause the mouthparts to break off and remain in the skin.
- 3. After removing the tick, thoroughly clean the bite area and your hands with rubbing alcohol, hand sanitizer, an iodine scrub, or soap and water.
- 4. Do **not** attempt to remove ticks by covering the tick with petroleum jelly or nail polish, or by using heat to make the tick detach from the skin.
- 5. The Government of Canada has a video showing how to remove a tick properly: https://www.canada.ca/en/public-health/services/video/lyme-disease-properly-remove-tick.html

### HOW TO PACKAGE AND SUBMIT TICK SAMPLES

- 1. Please complete the Tick Submission Form and submit it along with the specimen. Make sure your email address and phone number are legible.
- 2. Please send in a manner that will help preserve the integrity of the specimen. Dead tick specimens should be sent in a sealed ziplock bag or crush proof container (e.g., an old pill vial). If live ticks are being submitted, they should be placed in a container with a sealable lid so they cannot escape. If you do not have a suitable container, use a ziplock bag and place it inside a second ziplock bag.
- 3. Label the ziplock bag or crush proof container with your name, phone number and date of collection of the tick.
- 4. Then place a copy of the Tick Submission Form along with the securely packaged tick specimen inside a padded envelope or box.
- 5. Mail, courier or hand deliver specimens to:

Entomogen Inc.

140 Welland Avenue, Unit 9

St. Catharines, ON L2R 2N6

\*NOTE\* Please be aware that if a tick is submitted by standard mail it may take upwards of 2 weeks to arrive. We recommend using an express service through Canada Post or a courier service such as Purolator or Fed Ex to expedite the process.







## DISCLAIMER AND LIMITATION OF LIABILITY

While Entomogen Inc. takes care in preparing reports for clients, it does not warrant that the information provided will be free of errors or omissions or that it will be suitable for your purposes. Entomogen Inc. will not be responsible for the results of any actions taken by you or any other person on the basis of the information contained in the report or any opinions expressed therein.

All terms, conditions and warranties (including any warranty as to merchantable quality or fitness for purpose) implied by common law or statute ("implied warranties") as to the manner, quality and timing of the services are excluded unless the exclusion of any such implied warranties would contravene the law. Entomogen's liability to you for a breach of any conditions or implied warranties is limited at Entomogen's option either to re-perform the service or to refund the fees paid for the service.

Sometimes the specimen(s) sent may not be suitable for processing due to missing or damaged body parts or improper storing and shipment of the specimen. In such cases, we reserve the right to decline a request for identification and testing. If the shipment is to be returned to the sender, we will deduct the return shipping cost from the pre-payment and refund the balance.

\*NOTE\* If a tick tests positive for a pathogen, that does not necessarily mean that it transmitted the pathogen to the host from which it was collected (e.g., human, dog, cat, other). Individuals should consult a medical or veterinary professional for a proper diagnosis.

## TICK TESTING TERMS AND CONDITIONS

Entomogen Inc. aims to complete requests within 7 days of receipt of both the sample and full payment. Work that requires greater urgency will have a surcharge.

Specimens sent for testing should be in good condition (as complete as possible) and properly preserved and packaged - please see above.

Any tick submitted will first be identified by a qualified taxonomist. Any specimen submitted will be tested.

Entomogen Inc. provides testing services for the detection of *Borrelia burgdorferi* (Lyme Disease spirochete), *Babesia microti* (Babesiosis protozoan), *Anaplasma phagocytophilum* (Anaplasmosis bacteria), *Borrelia myamotoi* (Tick-Borne Relapsing Fever - TBRF) Powassan virus (POW) and *Rickettsia rickettsii* (Rock Mountain Spotted Fever – RMSF).

Ticks submitted become the property of Entomogen Inc.

