

# ECO LABORATORY

One Acton Place • Suite 102 • Acton, Massachusetts • 01720  
(978) 274-2943 • [www.ticktests.com](http://www.ticktests.com)

## Lyme Antibody Capture EIA

This assay is a superior test method for demonstrating *B. burgdorferi* antibody responses. It can be used for the testing of human serum, plasma, CSF and synovial fluid specimens. The specimens are tested quantitatively for IgM, IgG and IgA isotypes and measures the proportion of specific to total antibody for each isotype.

Antibody capture assays are also useful in demonstrating antibody production in CSF. A CSF/serum ratio can easily be attained without adjustment of serum or CSF concentrations due to the increased sensitivity to low levels of antibody such as those found in CSF.

Collect under aseptic conditions. Avoid hemolysis by prompt separation of the serum from the clot. Specimens can be shipped in the red top tube (serum separator tube) after centrifugation.

### **Specimen Requirements for testing:**

Type of Specimen: Serum, EDTA Plasma, Synovial Fluid, CSF  
Volume: 1.0mL  
Minimum Volume: 0.5mL  
Storage: Refrigerate at 2-8°C  
Stability: 7 days at 2-8°C  
3-6 months at -20°C  
Shipping: Ambient  
Turnaround Time: 24-48 hours from receipt  
CPT Code: 86317 X 3

## Lyme IgG Western Blot

This assay is intended to be used for the testing of human serum samples. Results of immunoblotting will include a list of all reactive peptides, and upon request an image of the strip is available. A positive result is presumptive evidence of infection with *B. burgdorferi*, the causative agent for Lyme disease.

When run in conjunction with the Antibody Capture EIA the results can predictively stage the infection.

Collect under aseptic conditions. Avoid hemolysis by prompt separation of the serum from the clot. Specimens can be shipped in the red top tube (serum separator tube) after centrifugation.

### **Specimen Requirements for testing:**

Type of Specimen: Serum  
Volume: 0.5mL  
Minimum Volume: 0.2mL  
Storage: Refrigerate at 2-8°C  
Stability: 7 days at 2-8°C  
3-6 months at -20°C  
Shipping: Ambient  
Turnaround Time: 24-48 hours from receipt  
CPT Code: 84181

# ECO LABORATORY

One Acton Place • Suite 102 • Acton, Massachusetts • 01720  
(978) 274-2943 • [www.ticktests.com](http://www.ticktests.com)

## **Borrelia miyamotoi EIA**

This assay is intended to be used for the testing of human serum or plasma specimens to detect IgM and IgG antibodies to *Borrelia miyamotoi*. The test is intended to be used as an aid in the diagnosis of infection caused by this organism.

Collect under aseptic conditions. Avoid hemolysis by prompt separation of the serum from the clot. Specimens can be shipped in the red top tube (serum separator tube) after centrifugation.

### Specimen Requirements for testing:

Type of Specimen: Serum, EDTA Plasma

Volume: 2.0mL

Minimum Volume: 0.5mL

Storage: Refrigerate at 2-8°C or Frozen at -20°C

Stability: 14 days at 2-8°C

5 years at -20°C

Shipping: Ambient

Turnaround Time: 24-48 hours from receipt

CPT Code: 86666

# ECO LABORATORY

One Acton Place • Suite 102 • Acton, Massachusetts • 01720  
(978) 274-2943 • [www.ticktests.com](http://www.ticktests.com)

## TICK TESTING SERVICES

*B. burgdorferi* (Lyme disease),

*B. miyamotoi*,

*B. microti* (Babesia parasite),

Anaplasma (HGA),

*Ehrlichia chaffeensis* (HME), and

Powassan/Deer Tick Virus (POWV/DTV)

DNA and RNA detection by Polymerase Chain Reaction (PCR) in ticks.

Specimen Requirements for testing:

Type of Specimen: Tick (dead or alive)

Storage: Ambient

Turnaround Time: 24-48 hours from receipt

CPT Code: 87168 (tick ID) 87801 (PCR)