

ECO Laboratory Testing Services

Lyme IgG Western Blot

This assay is intended to be used for the testing of human serum samples which have been found to be positive or equivocal by EIA or IFA assays. A positive result is presumptive evidence of infection with *B. burgdorferi*, the causative agent for Lyme disease.

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

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

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)