TEST CHANGE

Borrelia burgdorferi Antibody, IgG by Immunoblot

0050255, LYME G WB

Specimen Requirements:	
Patient Preparation:	
Collect:	Serum separator tube.
Specimen Preparation:	Separate serum from cells ASAP or within 2 hours of collection. Transfer 1 mL serum to an ARUP Standard Transport Tube. (Min: 0.1 mL)
Transport Temperature:	Refrigerated.
Unacceptable Conditions:	CSF or plasma. Contaminated, heat-inactivated, severely hemolyzed, severely lipemic, and severely icteric specimens.
Remarks:	
Stability:	After separation from cells: Ambient: 48 hours; Refrigerated: 2 weeks; Frozen: 1 year (avoid repeated freeze/thaw cycles)
Methodology:	Qualitative Immunoblot
Performed:	Sun-Sat
Reported:	1-42 days
Note:	This test should be used for confirmation of an equivocal or positive B. burgdorferi Total Antibodies, IgG and/or IgM test performed on patients greater than 4 weeks after disease onset. A negative result indicates that the immunoblot evaluation for the Lyme antibody demonstrates no antibodies unique to B. burgdorferi and is, therefore, not supportive of Lyme disease. A positive result indicates that the immunoblot evaluation for B. burgdorferi antibody is consistent with the presence of antibody produced by patients in response to infection by B. burgdorferi and suggests the presence of Lyme disease. Although the test has been shown to have a high degree of reliability for diagnostic purposes, laboratory data should always be correlated with clinical findings. Current CDC recommendations for the serological diagnosis of Lyme disease are to screen with a polyvalent ELISA test and confirm equivocals and positives with immunoblot. Both IgM and IgG immunoblots should be performed on samples obtained less than 4 weeks after appearance of erythema migrans. Only IgG immunoblot is to be performed on samples greater than 4

	weeks after disease onset. IgM immunoblot in the chronic stage is not recommended and does not aid in the diagnosis of neuroborreliosis or chronic Lyme disease.
CPT Codes:	86617
New York DOH Approval Status:	This test is New York DOH approved.

Interpretive Data:

For this assay, a positive result is reported when any 5 or more of the following 10 bands are present: 18, 23, 28, 30, 39, 41, 45, 58, 66, or 93 kDa. All other banding patterns are reported as negative.

Reference Interval:

Negative