TEST CHANGE

Borrelia burgdorferi Antibodies, Total by ELISA, CSF

0099483, LYME CSF

Specimen Requirements:	
Patient Preparation:	
Collect:	CSF.
Specimen Preparation:	Transfer 3 mL CSF to an ARUP Standard Transport Tube. (Min: 0.5 mL)
Transport Temperature:	Refrigerated.
Unacceptable Conditions:	Bacterially contaminated, heat-inactivated, hemolyzed, or xanthochromic specimens.
Remarks:	
Stability:	Ambient: 8 hours; Refrigerated: 2 weeks; Frozen: 1 year (avoid repeated freeze/thaw cycles)
Methodology:	Semi-Quantitative Enzyme-Linked Immunosorbent Assay
Performed:	Sun-Sat
Reported:	1-4~~3~~ days
Note:	Once this test is performed, if: a) Negative - no further testing is done. b) Positive or equivocal - Immunoblot testing will be performed on the original sample upon receiving a request. Sample will be held for 30 days only.
CPT Codes:	86618
New York DOH Approval Status:	Specimens from New York clients will be sent out to a New York DOH approved laboratory, if possible.

Interpretive Data:

The detection of antibodies to *B. burgdorferi* in cerebrospinal fluid may indicate central nervous system infection. However, consideration must be given to possible contamination by blood or transfer of serum antibodies across the blood-brain barrier.

Current CDC recommendations for the serologic diagnosis of Lyme disease are to screen with a polyvalent ELISA test and confirm equivocal and positive results with immunoblot. Both IgM and IgG immunoblots should be performed on samples less than 4 weeks after appearance of erythema migrans. Only IgG immunoblot should be performed on samples greater than 4 weeks after the disease onset. IgM immunoblot in the chronic stage is not recommended and does not aid in the

diagnosis of neuroborreliosis or chronic Lyme disease. Please submit requests for appropriate immunoblot testing within 10 days.

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.

Reference Interval:

0.99 LIV or less	Negative - Antibody to B. burgdorferi not detected.
1.00-1.20 LIV	Equivocal - Repeat testing in 10-14 days may be helpful.
1.21 LIV or greater	Positive - Probable presence of antibody to B. burgdorferi detected.