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NEW TEST

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Borrelia burgdorferi VlsE1/pepC10 Antibodies, CSF, Total by ELISA With Reflex to IgM and IgG by Immunoblot (Standard Two-Tier Testing, CSF)

3016760, LYME STTTC

Specimen Requirements:

Patient Preparation:

Collect:	CSF.
Specimen Preparation:	Transfer 6 mL CSF to an ARUP standard transport tube. (Min: 2.5 mL)
Transport Temperature:	Refrigerated.
Unacceptable Conditions:	Bacterially contaminated, heat-inactivated, hemolyzed, or xanthochromic specimens.

Remarks:

Stability:	Ambient: 8 hours; Refrigerated: 2 weeks; Frozen: 1 month (avoid repeated freeze/thaw cycles)

Methodology:	Semi-Quantitative Enzyme-Linked Immunosorbent Assay (ELISA)/Qualitative Immunoblot
Performed:	Sun-Sat
Reported:	1-4 days
Note:	If VlsE1/pepC10 antibodies by ELISA is 0.91 IV or greater, then B. burgdorferi IgG antibody by immunoblot and IgM antibody by immunoblot will be added. Additional charges apply.
CPT Codes:	86618; if reflexed, add 86617 x2
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 Borrelia 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. Lyme disease diagnosis in serum is recommended prior to any CSF studies.

Component	Interpretation
B. burgdorferi VlsE1/pepC10	0.90 IV or less: Negative; VlsE1

Abs, ELISA	and pepC10 antibodies to B. burgdorferi not detected. 0.91-1.09 IV: Equivocal; repeat testing in 10-14 days may be helpful. 1.10 IV or greater: Positive; VlsE1 and pepC10 antibodies to B. burgdorferi detected.	

Reference Interval:

Test Number	Components	Reference Interval
	B. burgdorferi VlsE1/pepC10 Abs, CSF	0.90 IV or less

HOTLINE NOTE: Refer to the Hotline Test Mix for interface build information.