



MAYO
Mayo Medical Laboratories
1-800-533-1710

**NEW TEST ANNOUNCEMENT
REFERRAL**

NOTIFICATION DATE: March 23, 2012
EFFECTIVE DATE: Immediately

LYME DISEASE AB (SERUM AND CSF), WB
Test ID: FLDSC

EXPLANATION OF CHANGE: The following new orderable, referred to Focus Diagnostic, Inc., is available immediately for clients in New York state.

REFERRAL LAB CODE: 65534

METHODOLOGY: Western Blot

REFERENCE VALUES:

Reference Range for Serum: Negative

Reference Range for CSF: Antibody Not Detected

Lyme disease is caused by *Borrelia burgdorferi*. CDC criteria for a positive Lyme IgG Western blot for serum require the presence of IgG to at least 5 of 10 specific borrelial proteins (18Kd, 23Kd, 30Kd, 39Kd, 41Kd, 45Kd, 58Kd, 66Kd, 93Kd). CDC criteria for a positive IgM Western blot for serum require the presence of IgM to at least 2 of 3 specific borrelial proteins (23Kd, 39Kd, 41Kd). The presence of 1 to 4 IgG bands or one IgM band (indeterminate results) may indicate recent exposure to *B. burgdorferi* and may warrant further serologic testing if clinically indicated. Reactivity to the 41Kd band may be observed in sera from normal individuals, as well as sera containing anti-nuclear antibodies (ANA). In rare instances, reactivity to *B. burgdorferi* proteins may represent cross-reactive antibodies induced by infection with other spirochetes, such as *Treponema pallidum*.

No interpretive criteria for Lyme Western blots have been established for CSF. The presence of Lyme IgG and/or IgM in CSF may represent either compartmental antibody production or transudation of plasma antibody. Detection of Lyme antibodies in CSF but not a paired serum sample most likely represents false positive reactivity.

SPECIMEN REQUIREMENTS: Requires Serum AND CSF

Draw blood in a red-top tube(s) (Serum gel tube is acceptable, must be poured off.) Spin down and submit 1 mL refrigerate serum.

Collect 1 mL CSF in a sterile plastic vial and submit refrigerate.

TRANSPORT TEMPERATURE: CSF: Refrigerate 14 days\Frozen 30 days

Serum: Refrigerate 14 days\Frozen 30 days\Ambient 7 days

LIST FEE: \$338.76

CPT CODE: 86617 X 4

DAY(S) SET UP: Monday, Wednesday, Friday **ANALYTIC TIME:** 1 – 4 days

QUESTIONS: Contact Mary Erath, MML Laboratory Technologist Resource Coordinator
Telephone: 800-533-1710