MAYO CLINIC
Mayo Medical Laboratories

Laboratory Service Report 1-800-533-1710

Patient Name	Patient ID	Age	Gender	Order #
TEST,IMPLEMENTATION TESTING	321	61	M	M101853434
Ordering Phys TESTING				**DOB** 12/07/1950
Client Order # M101853434	**Account Information**			**Report Notes**
Collected 02/29/2012 12:00	C7028846-DLMP ROCHESTER 3050 SUPERIOR DRIVE ROCHESTER,MN 55901			
Printed 03/23/2012 15:23				

Test	Flag	Results	Unit	Reference Value	Perform Site*
Lyme Disease Ab (Serum and CSF), WB			REPORTED 03/01/2012 15:52		
Lyme Disease Antibodies (Serum), WB					
Lyme IgG (Serum) Interpretation		NEGATIVE			Y038
Lyme IgG (Serum) Bands Detected		18Kd			Y038
Lyme IgM (Serum) Interpretation		NEGATIVE			Y038
Lyme IgM (Serum) Bands Detected		30Kd			Y038
Lyme Disease Antibodies (CSF), WB					
Lyme IgG (CSF) Results		See Below			Y038
Result: ANTIBODY NOT DETECTED					
Lyme IgG (CSF) Bands Detected		29Kd			Y038
Lyme IgG (CSF) Result		See Below			Y038
Result: ANTIBODY NOT DETECTED					
Lyme IgM (CSF) Bands Detected		30Kd			Y038

REFERANCE RANGE FOR SERUM: NEGATIVE
REFERANCE 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 crossreactive antibodies induced by infection with other spirochetes, such as Treponema pallidum.

Performing Site Legend on Last Page of Report

* Report times for Mayo performed tests are CST/CDT

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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.

* Performing Site:

Y038	Focus Diagnostics Inc. 5785 Corporate Avenue Cypress, CA 90630-4750	Lab Director:

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