MAYO CLINIC
Mayo Medical Laboratories

Laboratory Service Report 1-800-533-1710

Patient Name	Patient ID	Age	Gender	Order #
SAMPLEREPORT,FLDSC POS	SA00052777	42	M	SA00052777
Ordering Phys CLIENT,CLIENT				**DOB** 11/09/1970
Client Order # SA00052777	**Account Information**			**Report Notes**
Collected 01/15/2013 13:00	C7028846-DLMP ROCHESTER 3050 SUPERIOR DRIVE ROCHESTER,MN 55901			
Printed 01/16/2013 14:08				

Test	Flag	Results	Unit	Reference Value	Perform Site*
Lyme Disease Ab (Serum and CSF), WB			REPORTED 01/16/2013 12:43		
Lyme Disease Antibodies (Serum), WB					
Lyme IgG (Serum) Interpretation	AB	POSITIVE			Y038
Lyme IgG (Serum) Bands Detected		66Kd			Y038
Lyme IgM (Serum) Interpretation	AB	POSITIVE			Y038
Lyme IgM (Serum) Bands Detected		66Kd			Y038
Lyme Disease Antibodies (CSF), WB					
Lyme IgG (CSF) Result	AB	ANTIBODY DETECTED			Y038
Lyme IgG (CSF) Bands Detected		66Kd			Y038
Lyme IgM (CSF) Result	AB	ANTIBODY DETECTED			Y038
Lyme IgM (CSF) Bands Detected		66Kd			Y038

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 immunoblot 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 immunoblot 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.

No interpretive criteria for Lyme immunoblots have been established for CSF. The presence of

Performing Site Legend on Last Page of Report

* Report times for Mayo performed tests are CST/CDT

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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: