

# **Test Definition: FLDSC**

Lyme Disease Ab (Serum and CSF), WB

Reporting Title: Lyme Disease Ab (Serum and CSF), WB

Performing Location: Focus Diagnostics,

### **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.

Specimen Type	Temperature	Time	
CSF	Refrigerated (preferred)	14 days	
	Frozen	30 days	
Serum	Refrigerated (preferred)	14 days	
	Ambient	7 days	
	Frozen	30 days	

### **Result Codes:**

Result ID	Reporting Name	Туре	Unit	LOINC®
Z2550	Lyme IgG (Serum) Interpretation	Alphanumeric		
	Also used by tests: FLDS			
Z2551	Lyme IgG (Serum) Bands Detected	Alphanumeric		
	Also used by tests: FLDS			
Z2552	Lyme IgM (Serum) Interpretation	Alphanumeric		
	Also used by tests: FLDS			
Z2553	Lyme IgM (Serum) Bands Detected	Alphanumeric		
	Also used by tests: FLDS			
Z2554	Lyme IgG (CSF) Results	Alphanumeric		
	Also used by tests: FLDAC			
Z2555	Lyme IgG (CSF) Bands Detected	Alphanumeric		
	Also used by tests: FLDAC			



## **Test Definition: FLDSC**

Lyme Disease Ab (Serum and CSF), WB

Result ID	Reporting Name	Туре	Unit	LOINC®
Z2556	Lyme IgM (CSF) Result	Alphanumeric		
	Also used by tests: FLDAC			
Z2557	Lyme IgM (CSF) Bands Detected	Alphanumeric		
	Also used by tests: FLDAC			

### **Components:**

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
Billing only	LYME DISEASE ANTIBODY	2	86617		
Billing only	LYME DISEASE ANTIBODY	2	86617		
FLDS	Lyme Disease Antibodies (Serum), WB			Yes	No
FLDAC	Lyme Disease Antibodies (CSF), WB			Yes	No

#### **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.

Test Performed By: Focus Diagnostics, Inc. 5785 Corporate Ave. Cypress, CA 90630-4750