MAYO CLINIC
Mayo Medical Laboratories

Laboratory Service Report 1-800-533-1710

Patient Name	Patient ID	Age	Gender	Order #
SAMPLEREPORT,FFAPL	SA00049206	46	M	SA00049206
Ordering Phys				**DOB** 05/25/1966
Client Order # SA00049206	**Account Information**			**Report Notes**
Collected 09/20/2012 13:00	C7028846-DLMP ROCHESTER 3050 SUPERIOR DRIVE ROCHESTER,MN 55901			
Printed 09/26/2012 15:36				

Test	Flag	Results	Unit	Reference Value	Perform Site*
			REPORTED 09/25/2012 16:11		
Brucella Agglutination		<1:80			Y038

REFERENCE RANGE: <1:80

The most reliable serologic indicator of brucellosis is a four-fold increase in antibody titer when testing acute and convalescent sera in parallel. In the absence of paired sera, a single specimen titer of 1:80 or greater is consistent with brucellosis in a patient with a compatible clinical history.

Febrile Antibodies Panel			REPORTED 09/25/2012 16:12		
Salmonella H, Type a	AB	POSITIVE			Y038
Salmonella H, Type b	AB	POSITIVE			Y038
Salmonella H, Type d	AB	POSITIVE			Y038
Salmonella O, Type Vi	AB	POSITIVE			Y038
Salmonella O, Type D	AB	POSITIVE			Y038

REFERENCE RANGE: NEGATIVE

Antibodies to Salmonella flagellar (H) and somatic (O) antigens typically peak 3-5 weeks after infection. A positive result in this assay is equivalent to a titer of >=1:160 by tube agglutination (Widal). Results should not be considered as diagnostic unless confirmed by culture.

RMSF IgG	AB	DETECTED			Y038
RMSF IgM	AB	DETECTED			Y038
R. Typhi IgG	AB	DETECTED			Y038
R. Typhi IgM	AB	DETECTED			Y038

REFERENCE RANGE: NOT DETECTED

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* Report times for Mayo performed tests are CST/CDT

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Brucella IgG	H	1.10			Y038
Brucella IgM	H	1.10			Y038

Due to the positive IgM result, the Brucella Antibody, Agglutination confirmatory assay will be performed.
REFERENCE RANGE: <0.80

INTERPRETIVE CRITERIA:
<0.80 Antibody not detected
0.80 - 1.09 Equivocal
> or = 1.10 Antibody detected

Acute brucellosis is characterized by the appearance of Brucella-specific IgM within the first week of infection, followed by the appearance of Brucella-specific IgG after the second week. Levels of both IgM and IgG decline slowly over several months in conjunction with recovery. Persistence of high IgG levels with declining or absent IgM suggests chronic infection or relapse.

Rickettsia (RMSF) IgG Titer REPORTED 09/25/2012 16:12

RMSF IgG Titer		<1:64			Y038

REFERENCE RANGE: <1:64

Measurement of antigen-specific IgG and IgM allows rapid diagnosis of infection by rickettsial agents. The Spotted Group of rickettsial agents includes R. rickettsii (Rocky Mountain Spotted Fever), R. akari (Rickettsialpox), and R. conorii (Boutonneuse Fever).

IgM reactivity in the absence of IgG reactivity may represent a false positive reaction. Recent infection should be confirmed by demonstrating either IgG seroconversion or a four-fold or greater increase in IgG titer when acute and convalescent sera are tested in parallel.

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Test	Flag	Results	Unit	Reference Value	Perform Site*
Rickettsia (RMSF) IgM Titer			REPORTED 09/25/2012 16:12		
RMSF IgM Titer		<1:64			Y038

REFERENCE RANGE: <1:64

Measurement of antigen-specific IgG and IgM allows rapid diagnosis of infection by rickettsial agents. The Spotted Group of rickettsial agents includes R. rickettsii (Rocky Mountain Spotted Fever), R. akari (Rickettsialpox), and R. conorii (Boutonneuse Fever).

IgM reactivity in the absence of IgG reactivity may represent a false positive reaction. Recent infection should be confirmed by demonstrating either IgG seroconversion or a four-fold or greater increase in IgG titer when acute and convalescent sera are tested in parallel.

Rickettsia (Typhus Fever) IgG Titer			REPORTED 09/25/2012 16:12		
R. Typhi IgG Titer		<1:64			Y038

REFERENCE RANGE: <1:64

Measurement of antigen-specific IgG and IgM allows rapid diagnosis of infection by rickettsial agents. The Typhus Fever Group of rickettsial agents includes R. typhi (endemic or murine typhus), R. prowazekii (epidemic typhus), and Brill-Zinsser disease caused by reactivation of latent R. prowazekii.

IgM reactivity in the absence of IgG reactivity may represent a false positive reaction. Recent infection should be confirmed by demonstrating either IgG seroconversion or a four-fold or greater increase in IgG titer when acute and convalescent sera are tested in parallel.

Rickettsia (Typhus Fever) IgM Titer			REPORTED 09/25/2012 16:22		
R. Typhi IgM Titer		<1:64			Y038

REFERENCE RANGE: <1:64

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* Performing Site:

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