

# NEW TEST ANNOUNCEMENT REFERRAL

**NOTIFICATION DATE:** July 10, 2012 **EFFECTIVE DATE:** July 30, 2012

# FEBRILE ANTIBODIES PANEL

Test ID: FFAPL

**EXPLANATION:** The following new orderable, FFAPL, referred to Focus Diagnostics, Inc., will be available July 30, 2012.

REFERRAL LAB CODE: 91121

## **REFLEX INFORMATION:**

Test ID	Test Name
FRMSG	RMSF IgG Titer
FRMSM	RMSF IgM Titer
FRTGT	R. Typhi IgG Titer
FRTMT	R. Typhi IgM Titer
FBRAG	Brucella Agglutination

#### **TESTING ALGORITHM:**

If RMSF IgG is Detected - FRMSG (RMSF) IgG Titer will be performed at an additional charge.

If RMSF IgM is Detected - FRMSM (RMSF) IgM Titer will be performed at an additional charge.

If R. Typhi IgG is Detected - FRTGT (Typhus Fever) IgG Titer will be performed at an additional charge.

If R. Typhi IgM is Detected - FRTMT (Typhus Fever) IgM Titer will be performed at an additional charge.

If Brucella IgM is > or = 1.10 - FBRAG Brucella Agglutination will be performed at an additional charge.

**METHODOLOGY:** Immunofluorescence Assay (IFA); Enzyme Immunoassay (EIA)

### **REFERENCE VALUES:**

RICKETTSIA ANTIBODY PANEL WITH REFLEX TO TITERS

REFERENCE RANGE: NOT DETECTED

SALMONELLA ANTIBODIES, EIA 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.

BRUCELLA ANTIBODIES (IgG, IgM), EIA WITH REFLEX TO AGGLUTINATION 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 RICKETTSIA (RMSF) IgM TITER

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 RICKETTSIA (TYPHUS FEVER) IgM TITER

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.

#### **SPECIMEN REQUIREMENTS:**

Draw blood in a plain red-top or serum gel tube(s). Spin down and send 3 mL of serum refrigerated.

# **SPECIMEN STABILITY INFORMATION:**

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

**LIST FEE:** \$335.80

The following test(s) may be added per the testing algorithm:

\$81.40 for FRMSG - RMSF IgG Titer \$88.80 for FRMSM - RMSF IgM Titer \$81.40 for FRTGT - R. Typhi IgG Titer \$88.80 for FRTMT - R. Typhi IgM Titer \$67.34 for FBRAG - Brucella Agglutination

## **CPT CODE(S):**

86622/x2 Brucella 86757/x4 Rickettsia 86768/x5 Salmonella 86757/ each Rickettsia titer, if appropriate 86622/Brucella agglutination, if appropriate

**DAYS SET-UP**: Varies; Monday through Friday

ANALYTIC TIME: 1-4 days

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