

NEW ORDERABLE TEST ID REFERRAL

NOTIFICATION DATE: February 21, 2013 EFFECTIVE DATE: March 25, 2013

ENCEPHALITIS ANTIBODY PANEL (CSF) TEST ID: FENAB

EXPLANATION OF CHANGE: The following new orderable, referred to Focus Diagnostics, Inc., will be available March 25, 2013. This test will replace Test ID FEABC.

Note: This change is due to reporting field changes in test build for the **West Nile Virus Antibodies** portion of this panel. This change requires a new test ID.

FOCUS TEST CODE: 91159

PROFILE INFORMATION

1 ROFILE INFORMATION					
Test ID	Test Name	Available Separately	Always Performed		
FLCAC	LCM VIrus Ab, IFA CSF	No	Yes		
FMGMC	Measles (Rubeola) G/M Ab, IFA CSF	No	Yes		
FMABP	Mumps Antibody Panel, IFA (CSF)	No	Yes		
FVZTC	Varicella-Zoster, Total/IgM Ab, CSF	No	Yes		
FWNAB	West Nile Virus Ab (IgG, IgM), CSF	No	Yes		
FHSGC	HSV 1/2 (IgG) Type-Specific Ab, CSF	No	Yes		
FHSMC	Herpes Simplex Virus 1/2 IgM Ab,CSF	No	Yes		

REFLEX TESTS

Test ID	Test Name	Available Separately	Always Performed
FMTR1	HSV 1 IgM Titer	No	No
FMTR2	HSV 2 IgM Titer	No	No

TESTING ALGORITHM:

If positive HSV 1 IgM Screen, reflex to titer (FMTR1) will be performed at an additional charge. If positive HSV 2 IgM Screen, reflex to titer (FMTR2) will be performed at an additional charge.

METHODOLOGY:

Anti-Complement Immunofluorescence (ACIF) Immunofluorescence Assay (IFA) Enzyme-linked Immunosorbent Assay (ELISA) Enzyme Immunoassay (EIA)

SPECIMEN STABILITY INFORMATION

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

SPECIMEN REQUIREMENTS:

Submit 5 mL of spinal fluid (CSF). Refrigerate specimen after collection and ship at refrigerate temperature in a sterile, plastic screw-cap vial.

CURRENT WEST NILE VIRUS ANTIBODIES REFERENCE VALUES:

West Nile Virus Antibody Panel, ELISA (CSF)

Reference Range: IgG <1.30

IgM < 0.90

Interpretive Criteria:

IgG:

<1.30 Antibody not detected

1.30 - 1.49 Equivocal

>=1.50 Antibody detected

IgM:

< 0.90 Antibody not detected

0.90 - 1.10 Equivocal

>1.10 Antibody detected

In the very early stages of acute West Nile Virus (WNV) infection, IgM may be detectable in CSF before it becomes detectable in serum. Antibodies induced by other flavivirus infections (e.g., Dengue, St. Louis Encephalitis) may show crossreactivity with WNV; thus, antibody detection using this panel is not diagnostically conclusive for WNV infection. Final diagnosis should be based on clinical assessment and confirmatory assays, such as the plaque reduction neutralization test.

WNV antibody results for CSF should be interpreted with caution. Complicating factors include low antibody levels found in CSF, passive transfer of antibody from blood, and contamination via bloody taps.

NEW WEST NILE VIRUS ANTIBODIES REFERENCE VALUES:

West Nile Virus Antibodies (IgG, IgM), CSF

Reference Range: IgG <1.30

IgM < 0.90

Interpretive Criteria:

IgG:

<1.30 Antibody not detected

1.30 - 1.49 Equivocal

>=1.50 Antibody detected

IgM:

< 0.90 Antibody not detected

0.90 - 1.10 Equivocal

>1.10 Antibody detected

West Nile Virus (WNV) IgM is usually detectable in CSF from WNV-infected patients with encephalitis or meningitis at the time of clinical presentation. Because IgM antibody does not readily cross the blood-brain barrier, IgM antibody in CSF strongly suggest acute central nervous system infection. WNV antibody results from CSF should be interpreted with caution. Possible complicating factors include low levels of antibody found in CSF, passive transfer of antibodies from blood, and contamination from bloody taps. Antibodies induced by other flavivirus infections (eg. Dengue virus, St. Louis encephalitis virus) may show cross-reactivity with WNV.

FEE: \$719.86 – Encephalitis Antibody Panel \$37.37 – HSV 1 IgM Titer (if appropriate) \$37.37 – HSV 2 IgM Titer (if appropriate)

CPT CODE:

86727 x 2-Lymphocytic Choriomeningitis

86765 x 2-Rubeola

86735 x 2-Mumps

86787 x 2-Varicella-zoster

86788-West Nile Virus, IgM

86789-West Nile Virus, IgG

86695-Herpes simplex, type 1

86696-Herpes simplex, type 2

86695-Herpes simplex, type 1 IgM Titer (if appropriate)

86696-Herpes simplex, type 2 IgM Titer (if appropriate)

DAY(S) SET UP: Monday through Saturday; Varies **ANALYTIC TIME:** 1 - 4 days

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