

NYS Lab Number:

Date Received:

**NEW YORK STATE DEPARTMENT OF HEALTH Viral Encephalitis/Meningitis Case Report Form**

**Suspect encephalitis/meningitis cases are reportable diseases.**

**Please fax a completed copy of this form to your Local County Health Department.**

**This form, including the full Viral Encephalitis/Meningitis History Form MUST be completed and sent with clinical specimen(s).**

**Patient Information**

Last Name \_\_\_\_\_ First Name \_\_\_\_\_ Date of Birth \_\_ / \_\_ / \_\_

**Please complete this section if CSF is being submitted:**

1. Does the patient have **encephalitis** (defined as temperature  $>100.4^{\circ}\text{F}$ , *and* altered mental status, *and* abnormal CSF)?  
 Yes → Go to question 2.  
 No → Stop here. CSF will be tested by ELISA<sup>1</sup> for WNV IgM antibodies. CSF will *not* be tested by PCR for the viral encephalitis panel<sup>2</sup>. (Please refer to commercial laboratories that can provide PCR testing<sup>3</sup>.)
2. Is the patient **hospitalized**?  
 Yes → Go to question 3.  
 No → Stop here. CSF will be tested by ELISA<sup>1</sup> for WNV IgM antibodies. CSF will *not* be tested by PCR for the viral encephalitis panel<sup>2</sup>. (Please refer to commercial laboratories that can provide PCR testing<sup>3</sup>.)
3. Is there at **least 1.0 ml of CSF** available for testing?  
 Yes → CSF will be tested by ELISA<sup>1</sup> for WNV IgM antibodies *and* by PCR for the viral encephalitis panel<sup>2</sup>.  
 No → There is not enough CSF to conduct *both* ELISA<sup>1</sup> and PCR testing. Please indicate your preference for testing (check only **one**):  
 Test by ELISA<sup>1</sup> for WNV antibodies.  
 Test by PCR for the viral encephalitis panel<sup>2</sup>.

**Please complete this section if SERUM is being submitted:**

1. Please indicate if this is an acute or convalescent specimen:  
 Acute → Serum will be tested for:
  - WNV IgM antibodies by ELISA<sup>1</sup>.
  - WNV polyvalent antibodies by MIA<sup>4</sup>.
  - Arboviral IgG antibodies by IFA<sup>5</sup>.  
 Convalescent → Serum collected at least three weeks after the acute will be tested for:
  - WNV IgM antibodies by ELISA<sup>1</sup> on paired sera.
  - WNV polyvalent antibodies by MIA<sup>4</sup> on paired sera.
  - Arboviral IgG antibodies by IFA<sup>5</sup> on paired sera, if acute was reactive. (If acute specimen was negative, it will not be retested with convalescent. If convalescent is reactive, the test will be repeated on paired sera. Paired sera will be sent for PRNT<sup>6</sup> when at least one specimen is reactive).

## Footnotes:

1. ELISA: Enzyme Linked Immunosorbent Assay
2. The PCR Viral Encephalitis Panel includes tests for West Nile virus, St. Louis encephalitis, eastern equine encephalitis, Cache Valley and California serogroup viruses, enterovirus, herpes simplex virus 1 and 2, varicella zoster virus, Epstein Barr virus, cytomegalovirus, and adenovirus.

3. Commercial laboratories that offer PCR testing on CSF:

### **Enterovirus PCR testing**

- Quest Diagnostics (949-728-4000)
- Focus Technologies Inc. (714-220-1900)

### **HSV PCR testing**

- Mayo Clinic (507-284-3018)
- Quest Diagnostics/Nichols Institute (703-802-6900)
- Focus Technologies Inc. (714-220-1900)
- Associated Regional and University Pathologists (ARUP) Laboratories (801-583-2787)
- ViroMed Laboratories (952-563-3300)

### **WNV PCR testing**

- Quest Diagnostics/ Nichols Institute (703-802-6900)
- Focus Technologies Inc. (714-220-1900)

### **WNV IgM testing**

**(Note that this list of labs performing WNV IgM testing is not all inclusive since the FDA cleared a WNV IgM kit on 07/09/03)**

- ViroMed Laboratories (952-563-3300)
- Focus Technologies Inc. (714-220-1900)
- Associated Regional and University Pathologists (ARUP) Laboratories (801-583-2787)
- LabOne Inc. (913-577-1517)

4. MIA: Microsphere Immunofluorescence Assay
5. IFA: Immunofluorescence Assay
6. PRNT: Plaque Reduction Neutralization Testing