Lab Dept: Serology
Test Name: POWASSAN VIRUS IGM ANTIBODY

General Information

Lab Order Codes: PVIGM
Synonyms: N/A
CPT Codes: 87449 – Infectious agent antigen detection by immunoassay technique, (eg, enzyme immunoassay [EIA], enzyme-linked immunosorbent assay [ELISA], immunochemiluminometric assay [IMCA]), qualitative or semiquantitative; multiple-step method, not otherwise specified, each organism

Test Includes: Entire arboviral panel: Powassan Virus, West Nile Virus, La Crosse encephalitis, St.Louis encephalitis, Western equine encephalitis & Eastern equine encephalitis.

Logistics

Test Indications: Useful in diagnosing patient with potential tick exposure during the tick-borne disease season.
Lab Testing Sections: Serology – Sendouts
Referred to: Minnesota Department of Health - PHL
Phone Numbers: MIN Lab: 612-813-6280
STP Lab: 651-220-6500
Test Availability: M-F
Turnaround Time: 7 days
Special Instructions: N/A

Specimen

Specimen Type: Blood or CSF
Container: Blood: SST (Red, marble or gold) tube
CSF: Sterile container
| **Draw Volume:** | Blood: 3 mL  
CSF: 1 mL (Minimum: 0.5 mL) |
|-----------------|--------------------------------|
| **Processed Volume:** | Serum: 1.0 mL  
CSF: 1.0 mL (Minimum: 0.5 mL) |
| **Collection:** | Routine blood collection or aseptic CSF collection |
| **Special Processing:** | Lab Staff:  
Blood: Centrifuge specimen. Remove aliquot and place in a sterile container. Store and ship specimen at refrigerated temperatures.  
CSF: Aliquot specimen and place in a sterile container. Store and ship at refrigerated temperatures. |
| **Patient Preparation:** | None |
| **Sample Rejection:** | Mislabeled or unlabeled specimens |

**Interpretive**

**Reference ranges:** Negative (reported as positive or negative)

**Critical Values:** N/A

**Limitations:** N/A

**Methodology:** Enzyme Linked Immunosorbent Assay (ELISA)

**References:** [Minnesota Department of Health](https://www.health.state.mn.us) February 2019