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**Lab Dept:** Serology

**Test Name:** POWASSAN VIRUS IGM ANTIBODY

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***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.

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***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

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***Specimen***

**Specimen Type:** Blood or CSF

**Container:** Blood: SST (Red, marble or gold) tube

CSF: Sterile container

<b>Draw Volume:</b>	Blood: 3 mL CSF: 1 mL (Minimum: 0.5 mL)
<b>Processed Volume:</b>	Serum: 1.0 mL CSF: 1.0 mL (Minimum: 0.5 mL)
<b>Collection:</b>	Routine blood collection or aseptic CSF collection
<b>Special Processing:</b>	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.
<b>Patient Preparation:</b>	None
<b>Sample Rejection:</b>	Mislabeled or unlabeled specimens

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### ***Interpretive***

<b>Reference ranges:</b>	Negative (reported as positive or negative)
<b>Critical Values:</b>	N/A
<b>Limitations:</b>	N/A
<b>Methodology:</b>	Enzyme Linked Immunosorbent Assay (ELISA)
<b>References:</b>	<a href="#">Minnesota Department of Health</a> February 2019