



- Testing of serum specimens without a concurrent or prior CSF specimen requires approval from public health: call 402-471-2937.

**WNV Test Interpretation Guidelines:**

- Testing (+) for IgM and (-) for IgG in an acute specimen is consistent with acute WNV infection. Paired acute and convalescent samples may be useful for demonstration of seroconversion and laboratory confirmation of WNV infection.
- Testing (+) for IgG and (-) for IgM is consistent with infection in the distant past.
- CSF which tests (+) for IgM is consistent with acute meningitis/encephalitis.
- Stable antibody titers on acute and convalescent specimens suggest infection in the distant past. A four-fold rise in IgM or IgG titers between an acute and convalescent specimen suggest acute infection.

Tests	Results	Interpretation
IgM IgG	negative negative	Antibody not detected = not a case of WNV
IgM IgG	negative positive	Infection at undetermined time = past infection
IgM IgG	positive negative	Evidence of recent or current infection‡
IgM IgG	positive positive	Evidence of recent or current infection*
IgM IgG	indeterminate negative	Inconclusive; request convalescent serum‡

‡ Paired acute and convalescent samples may be useful for demonstration of seroconversion;

\*Some individuals may have persisting IgM and IgG antibodies from the previous WNV season.

