

**PRODUCT INFORMATION**

**West Nile Virus (WNV)** is a disease transmitted to humans by mosquitoes. It first appeared in the United States in the summer of 1999 and since then has been found in all 48 contiguous states. While many people infected with the West Nile virus have no signs or symptoms, about 20 percent of people develop a mild infection called West Nile fever. In less than 1 percent of infected people, the virus causes a more serious neurological infection. This type of infection may produce inflammation of the brain (encephalitis), the surrounding membranes of the brain (meningoencephalitis) and the spinal cord (meningitis). Inflammation of the spinal cord may also cause acute flaccid paralysis — a sudden weakness in arms, legs or breathing muscles that usually occurs as a result of West Nile poliomyelitis. Certain neurological effects associated with WNV may be permanent. TrimGen’s WNV detection kit uses eQ-PCR, an enhanced real-time PCR technology to detect and quantify the pathogens. It detects low levels of WNV in human tissue samples and can be used for the evaluation of the efficacy of an antiviral therapy.

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**eQ-PCR** West Nile Virus detection kit provides a highly sensitive test for early detection and quantification of the WNV from blood or Cerebrospinal fluid (CSF). The test uses one step real-time RT-PCR and is performed in a closed-tube walk-away system.

<b>Platform:</b>	eQ-PCR (enhanced real-time PCR)
<b>Assay Type:</b>	Detection and Quantification
<b>Sensitivity:</b>	10 - 20 copies / ml sample
<b>Sample Source:</b>	RNA (from Whole blood, CSF)

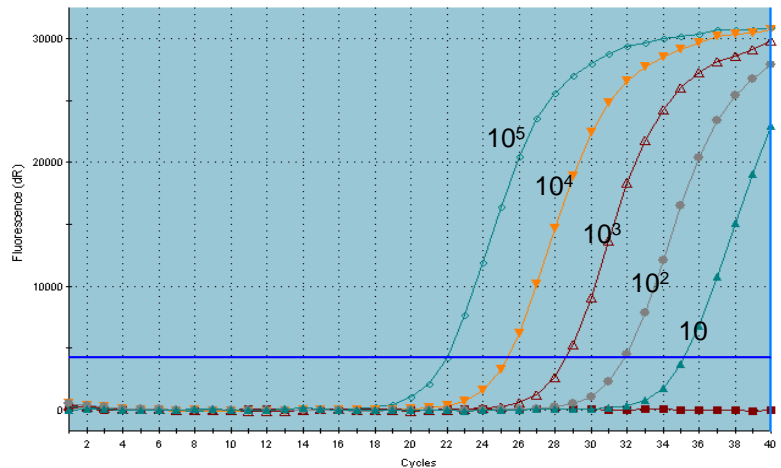
**Test Kit**

Kit size	24 tests	48 tests
Cat No.	EP-202s	EP-202

**Test Service**

Sample Requires	Whole blood, CSF, extracted DNA
TEST Code	EP-202TST

**Data**



Using eQ- PCR technology, TrimGen’s WNV kit may detect 10 – 100,000 copies of West Nile viruses.