

PRODUCT INFORMATION

Japanese Encephalitis Virus (JEV) is the causative agent of Japanese encephalitis. JEV Infection is a leading cause of viral encephalitis in Asia, with 30,000–50,000 cases reported annually. Case-fatality rates range from 0.3% to 60%. The virus is an enveloped virus of the genus flavivirus; it is closely related to the West Nile virus and St. Louis encephalitis virus. Japanese encephalitis virus is transmitted to humans via the bite of infected mosquitoes. The virus initially propagates at the site of the bite and in regional lymph nodes. Subsequently, viremia develops, leading to inflammatory changes in the heart, lungs, liver, and reticuloendothelial system. Most infections are cleared before the virus can invade the central nervous system (CNS), leading to subclinical disease. However, neurologic invasion can develop, possibly by growth of the virus across vascular endothelial cells, leading to involvement of large areas of the brain and cause acute encephalitis with a high mortality rate in humans. TrimGen’s JEV detection kit uses eQ-PCR, an enhanced real-time PCR technology to detect and quantify the pathogens.

eQ-PCR Japanese Encephalitis Virus detection kit provides a highly sensitive test for early detection and quantification of the virus 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.

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

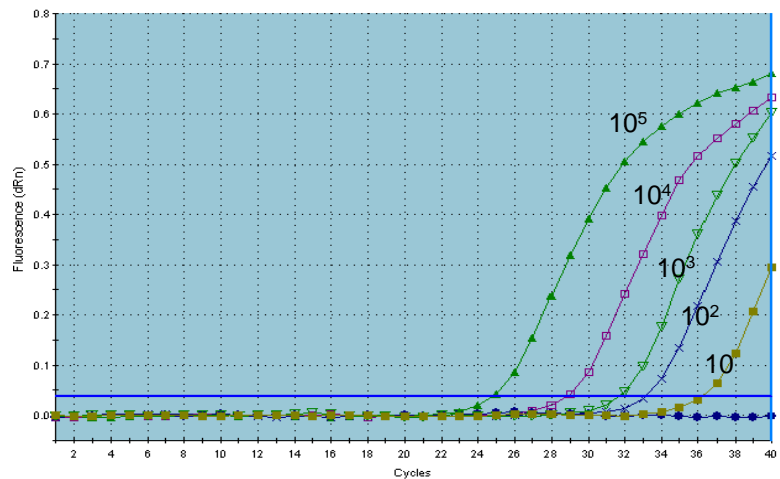
Test Kit

Kit size	24 tests	48 tests
Cat No.	EP-204s	EP-204

Test Service

Sample Requires	Whole blood, CSF, extracted DNA
TEST Code	EP-204TST

Data



Using eQ- PCR technology, TrimGen’s JEV kit may detect 10 – 100,000 copies of Japanese Encephalitis viruses.

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