

Dengue Virus Nucleic Acid Test Kit

Fluorescent Probe-Based Real-Time PCR Assay

According to the World Health Organization, about half of the world's population is now at risk of dengue with an estimated 100–400 million infections occurring each year. In mild cases, the dengue virus infection may cause sudden fever, severe muscle pain, and bone and joint pain. In severe cases, the virus will cause dengue hemorrhagic fever and dengue shock syndrome, resulting in infection mortality of up to 50 %.

Prevention and control of dengue depend on vector control. There is no specific treatment for dengue/severe dengue, and early detection and access to proper medical care greatly lower fatality rates of severe dengue.

Testing Principle

This kit uses polymerase chain reaction (PCR) technology based on TaqMan fluorescent probe to detect the RNA of Dengue virus type I, II, III and IV in human serum specimens collected from patients or suspected patients with dengue virus.



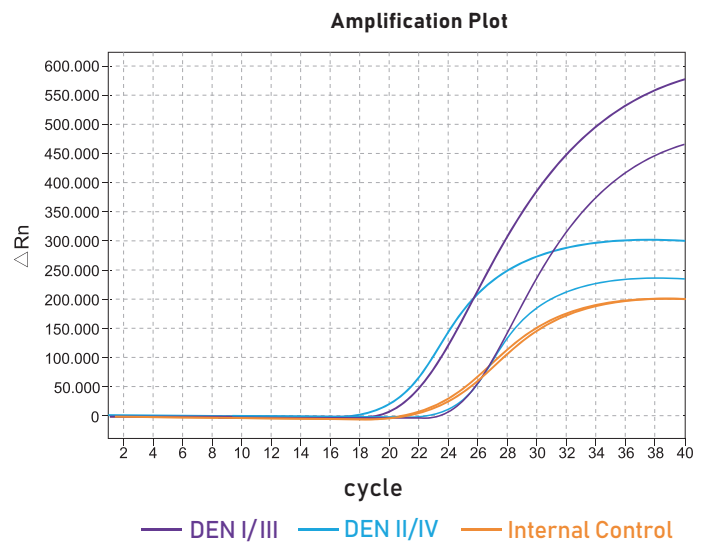
Product Features

- High Sensitivity: The limit of detection of the kit is 1000 copies/mL.
- Flexible Formats: Both liquid and lyophilized options are acceptable
- Rapid Diagnosis: Complete the test within 2 hours.
- Wide Serotypes: Detect four serotypes DENV-1, DENV-2, DENV-3, and DENV-4.

Recommended Thermal Cyclers

- Applied Biosystems™ 7500 Real-Time PCR System
- Stratagene MX 3000P Real-Time PCR System
- BioRad CFX96 Real-Time PCR System
- Other Real-Time Thermal Cyclers which could detect FAM, HEX and CY5 simultaneously

Sample Results



Ordering Information

Cat No.	Product Name	Product Form	Shelf Life	Specification	Certification
M092T050B0C0	Dengue Virus Nucleic Acid Test Kit	Liquid	9 Months	50 Tests/Box	CE
M09202T2048	Dengue Virus Nucleic Acid Test Kit	Lyophilized	24 Months	48 Tests/Box	CE
M09601T2048	Dengue Virus Genotyping Nucleic Acid Test Kit	Lyophilized	24 Months	48 Tests/Box	CE

