

# Dengue Virus/Zika Virus/Chikungunya Virus Nucleic Acid Multiplex Detection Kit (Fluorescence PCR Method)

Dengue Virus, Zika Virus and Chikungunya Virus can cause acute infectious diseases characterized by fever, rash and joint pain. The main vector of these three viruses is the Aedes aegypti mosquito.

The Tianlong Dengue Virus/Zika Virus/Chikungunya Virus Nucleic Acid Multiplex Detection Kit is intended for the qualitative detection of Dengue Virus, Zika Virus and Chikungunya Virus nucleic acid by Real-time reverse transcription Polymerase Chain Reaction (Real-time RT-PCR) method.

Results from the test are for the identification of Dengue Virus/Zika Virus/Chikungunya Virus RNA existence in samples tested. The Dengue Virus/Zika Virus/Chikungunya Virus RNA is often detectable in serum samples collected during the acute phase of infection.



## FEATURES

3 ⇒ 1

### Simplify Laboratory Workflow

Differential diagnostics of the three tropical infections in a single run, 3 in 1 test for Dengue Virus/Zika Virus/Chikungunya Virus



### High Precision

The precision values of intra and inter Ct values were all <5%



### Internal Control

The use of internal control system in the kit can effectively prevent false negative results



### User-friendly

Widely applicable in instruments with FAM, VIC (HEX), Texas Red, Cy5 fluorescence channels



### More Accessible

CE marked, accessible for more countries

## DATA INTERPRETATION

Figure 1: Positive standard amplification curve

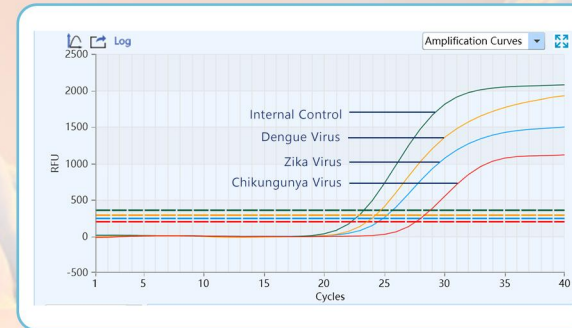
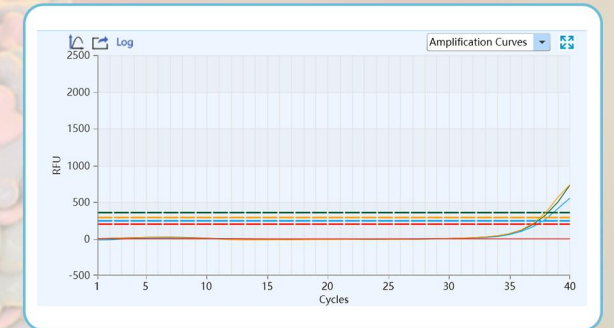


Figure 2: LOD amplification curve



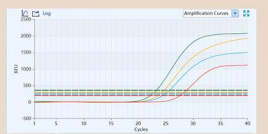
Positive standard: If the Ct value is ≤37, the result can be considered Positive.

## ORDERING INFORMATION

|                      |  |
|----------------------|--|
| Product Name         | Dengue Virus/Zika Virus/Chikungunya Virus Nucleic Acid Multiplex Detection Kit (Fluorescence PCR Method)   |
| Cat.No               | P251H  |
| Specification        | 25T/Kit  |
| Specimen             | Serum  |
| Target Pathogen      | Dengue Virus/Zika Virus/Chikungunya Virus  |
| Sensitivity          | 500 copies/mL  |
| Precision            | <5%  |
| Storage & Validity   | -25°C~-15°C for 12 months  |
| Applicable Equipment | Instruments with FAM, VIC (HEX), Texas Red, Cy5 fluorescence channels such as Applied Biosystems™ 7500 Real-Time PCR Systems, Tianlong Gentier Real-time PCR Systems |

## ASSAY WORKFLOW

- 1 Sample Collection
- 2 Nucleic Acid Extraction
- 3 PCR Detection
- 4 Analysis and Report



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