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# ZiKa Virus Nucleic Acid Detection Kit

(Fluorescence PCR Method)

Zika Virus (ZIKV) is a mosquito-borne virus. Mosquitoes are the primary vector of Zika Virus, but the virus can also transmit through sexual intercourse, mother-to-child transmission, and blood transfusions. Symptoms of Zika Virus infection is similar to dengue and chikungunya, which includes fever, headache, arthralgia, retro-orbital pain, conjunctivitis, and rash.

The Tianlong ZiKa Virus Nucleic Acid Detection Kit is for the qualitative detection of ZiKa Virus nucleic acid by Real-time reverse transcription Polymerase Chain Reaction (Real-time RT-PCR) method. The kit can concurrently detect two subtypes of ZiKa Virus (Asian and African), providing a rapid, simple and effective means of detection for prevention and control of ZiKa Virus outbreaks.



## FEATURES



### Reliable Detection

Qualitative detection of two subtypes of Zika Virus (Asian and African) nucleic acid in serum sample



### 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) fluorescence channels



### More Accessible

CE marked, accessible for more countries

## DATA INTERPRETATION

Figure 1: ZiKa Virus amplification curve

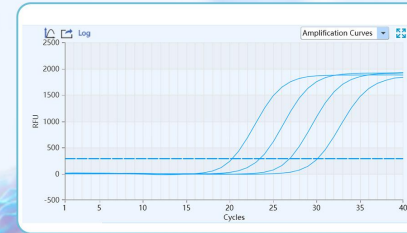
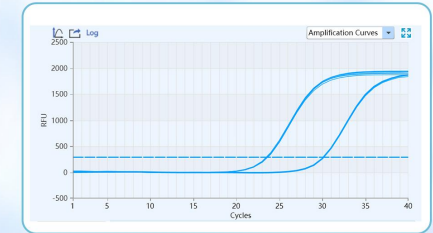


Figure 2: High concentration and low concentration ZiKa Virus repetitive amplification curve



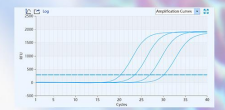
ZiKa Virus positive standard: If the Ct value is  $\leq 37$ , the result can be considered ZiKa Virus Positive.

## ORDERING INFORMATION

Product Name	ZiKa Virus Nucleic Acid Detection Kit (Fluorescence PCR Method)
Cat.No	P074H
Specification	25T/Kit
Specimen	Serum
Sensitivity	500 copies/mL
Precision	<5%
Storage & Validity	-25°C~-15°C for 12 months
Applicable Equipment	Instruments with FAM, HEX/VIC 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



version 2.0

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