

Yellow Fever Virus Nucleic Acid Detection Kit

(Fluorescence PCR Method)

The Tianlong Yellow Fever Virus Nucleic Acid Detection Kit is intended for the qualitative detection of Yellow Fever Virus RNA by Real-time Reverse Transcription Polymerase Chain Reaction (Real-time RT-PCR) method.

The test can detect Yellow Fever Virus RNA in serum collected from individual personnel based on clinical or epidemiological criteria. The potential candidate personnel to be tested could include but are not limited to patients with symptoms of infection who are suspected of yellow fever by healthcare providers, or persons with no symptoms from a population for screening test confirmation or exclusion of viral infection or viral carriage status.



FEATURES



Reliable Detection

Qualitative detection of YFV nucleic acid in serum sample



High Precision

The precision values of intra and inter Ct values were all $\leq 5\%$



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: YFV amplification curve

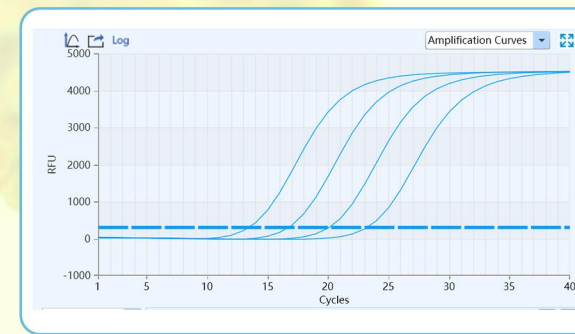
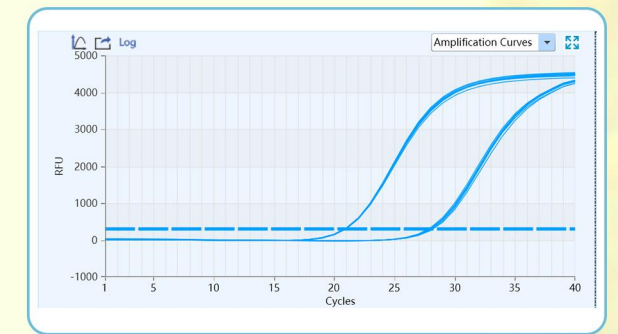


Figure 2: High concentration and low concentration YFV repetitive amplification curve



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

ORDERING INFORMATION

Product Name	Yellow Fever Virus Nucleic Acid Detection Kit (Fluorescence PCR Method)
Cat.No	P075H
Specification	25T/Kit
Specimen	Serum
Sensitivity	500 copies/mL
Precision	$\leq 5\%$
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

