

EV71, CA16 and Other Enteroviral Nucleic Acid Test Kit (Fluorescent Probe-Based Real-Time PCR Assay)

——Prediction indicators for hand-foot-mouth disease (HFMD)

Background Overview

Enteroviruses that cause HFMD include more than 30 kinds of viruses, such as poliovirus, coxsackie virus, ECHO virus and New enterovirus. Among which EV71 and CA16 enteroviruses are the most common pathogens, and EV71 infection is the main cause of severe cases and deaths.

Clinical significance

Carry out enterovirus nucleic acid test in the infant eruption period, and even before the eruption showing continuous fever, poor mental health, vomiting and other symptoms to clarify whether the patient has enterovirus infection to, so as to early prevention, early treatment

For severe cases with atypical rash, clinical diagnosis is difficult, and it is more necessary to carry out etiological diagnosis to determine whether there is enterovirus infection

HFMD has a fast onset rate, and the detection of enterovirus nucleic acid can achieve early intervention and early blocking

Testing Principle

Multiple fluorescent PCR was used to simultaneously detect EV71, CA16 and other enteroviruses with different fluorescent probes in a single tube one time.



Enterovirus
detection series



Product Advantage

Multi-channel detection technology

Confirmation and typing were completed simultaneously by labeling three fluorescent probes.

Simple and Convenient

Complete Sample processing within half an hour. One-step reverse transcriptase amplification method is easy to operate and avoid cross contamination.

Original MS2 internal standard

Monitor the whole process of nucleic acid extraction and detection, which is beneficial to eliminate the false negative in the reaction, and make the result more reliable

High Specificity

No cross-reaction happened with other viruses with the same infection site or similar infection symptoms, and the specificity was more than 95%

Fast and efficient

Multiple enteroviruses were detected in a single PCR reaction time



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National authorized invention patent
Gold medal of China international patent and famous brand Expo

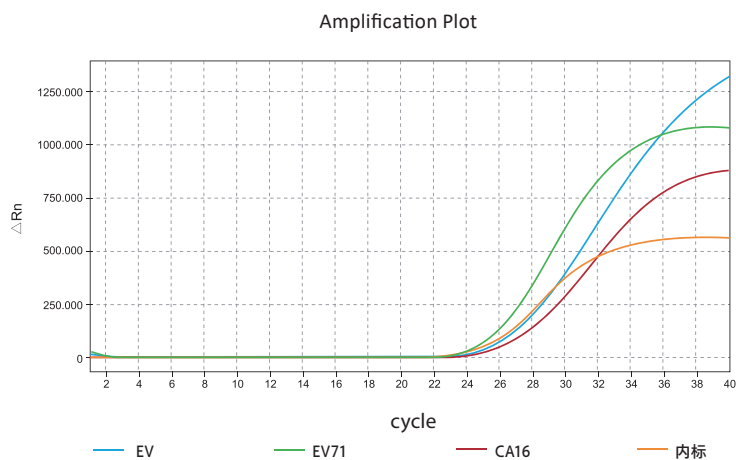


Deep partner of HFMD vaccine research and development company

Recommended thermal cyclers

- Applied Biosystems TM7500 Real-Time PCR System
- Stratagene MX 3000P/3005P Real-Time PCR System
- BioRad CFX96 Real-Time PCR System
- Bioer LineGene9600Plus/9660/9680 Real-Time PCR System
- Hongshi SLAN-96P Real-Time PCR System
- TIB-8600 Real-Time PCR System
- Other real-time thermal cyclers which could detect FAM/ROX-/VIC(HEX)/CY5 simultaneously

Example result



Types of Sample

Oropharyngeal swab, Anal swab, Feces, Herpes fluid

Product specifications

Spin Column method: 24 tests / kit 50 tests / kit 100 tests / kit

Magnetic bead extraction method: 16 tests / kit 48 tests / kit 96 tests / kit



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