

Enterovirus 71/Coxsackie A16/ Enterovirus Universal RNA Detection Kit

(Fluorescent PCR Method)

Hand, foot, and mouth disease (HFMD) is an infectious disease caused by enteroviruses, which characterizes by fever and vesicular eruptions on the hands, feet, and mouth.

There are more than 20 kinds of enteroviruses that cause HFMD. Among them, enterovirus 71 and coxsackie A16 are the most common pathogen. The kit is used for in vitro quantitative detection of enterovirus 71 (EV71), coxsackie A16 (CA16), and enterovirus universal (EU) nucleic acid in human throat swab samples.

According to clinical verification, the kit can detect enterovirus 71, coxsackie A16, coxsackie A4, coxsackie A5, coxsackie A6, coxsackie A7, coxsackie A9, coxsackie A10, coxsackie B2 and coxsackie B5.



FEATURES



Wide Coverage

Detection of EV71, CA16, CA4, CA5, CA6, CA7, CA9, CA10, CB2 and CB5, the most common HFMD causing pathogen



High Sensitivity

The limit of detection is up to 500 copies/mL



High Precision

The coefficient of variation of the Ct values (CV%) is $\leq 5\%$



User-friendly

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



More Accessible

CE marked, accessible for more countries

DATA INTERPRETATION

Figure: Positive standard amplification curve

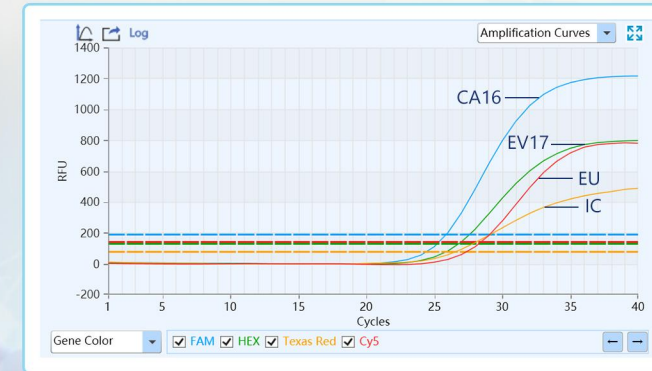
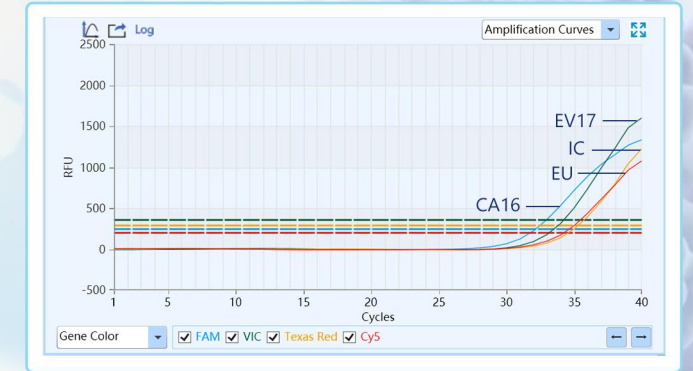


Figure 2: LOD amplification curve



ORDERING INFORMATION

Product Name	Enterovirus 71/Coxsackie A16/ Enterovirus Universal RNA Detection Kit (Fluorescence PCR Method)
Cat.No	P116H
Specification	32T/Kit
Specimen	Oropharyngeal swabs
Sensitivity	500 copies/mL
Target Pathogene	Enterovirus 71/Coxsackie A16/ Enterovirus Universal
Storage & Validity	-25°C~-15°C for 12 months
Applicable Equipment	Instruments with FAM, VIC (HEX), Texas Red (ROX), Cy5 channels such as Applied Biosystems™ 7500 Real-Time PCR Systems and Tianlong Gentier Real-time PCR Systems

ASSAY WORKFLOW



Version 3.0

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