



源起健康

BIO-KEY

# Enterovirus 71 (EV71) RT-PCR Detection Kit (Lyophilized)

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## Summary of background

Hand Foot and mouth disease (HFMD) is a common infection caused by Enterovirus (EV) in children under the age of five. Hand-foot-mouth disease (HFMD) is a global disease, occurring all over the year in China, with an incidence of 37.01/100,000 ~ 205.06/100,000, and reported mortality rates of 6.46/100,000 ~ 51.00/100,000 in recent years. Children and latent infection were the main sources of infection, and the latent infection rate of HFMD was high.

## Product features

### High sensitivity

It is helpful for the early diagnosis and treatment of hand, foot and mouth disease (HFMD).

### The whole process of internal standard monitoring

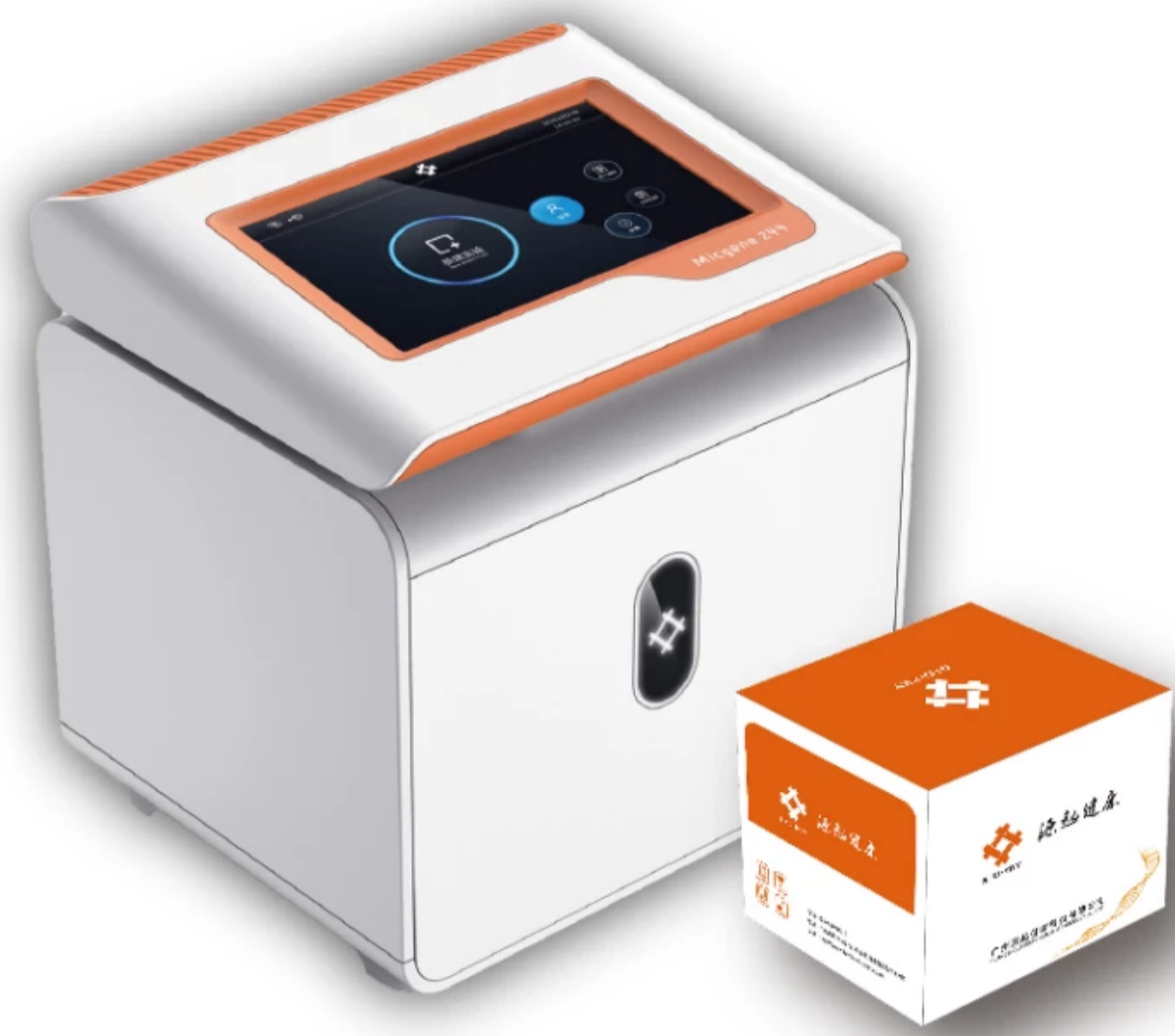
Internal standard participated in the whole process of sample preparation, nucleic acid amplification and fluorescence detection, monitored the risk of pseudonym in real time, and improved the reliability of detection.



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## Enterovirus 71 (EV71) RT-PCR Detection Kit (Lyophilized)

This kit adopts real-time fluorescence quantitative PCR technology. The real-time fluorescence quantitative PCR kit is used for the qualitative detection of enterovirus 71 (EV71) in vitro and can be used for laboratory diagnosis and monitoring of EV71 infection. The test results are for clinical reference only and are not used for case confirmation or exclusion.

### Packing specification

96 Test/Box (Carton) [BIK-QL-H003]

48 Test/Box (Single Tube) [BIK-QL-H003S]

### Product component

SN	Composition	BIK-QL-H003	BIK-QL-H003S
1	PCR enzyme mixture (lyophilized)	96 T/bottle	48 T/bottle
2	EV71 primer-probe mixture	100 μL/bottle	/
3	Enzyme mixture buffer (5×)	400 μL/bottle	/
4	Positive control	100 μL/bottle	100 μL/bottle
5	Negative control	100 μL/tube	100 μL/tube
6	Seedless water	100 μL/tube	100 μL/tube
7	Paraffin oil	1.5mL/tube*2	1.5mL/tube

### Product performance

The product name	Enterovirus 71 (EV71) RT-PCR Detection Kit (Lyophilized)
specifications	48T/96T
Nucleic acid extraction method	One-step/rapid nucleic acid release technique
Sample type	Pharyngeal swab
Detection sensitivity	500 copies/ml
Have a certificate	CE certification

### Clinical Practice

1. Compared with HFMD caused by other enteroviruses, HFMD caused by EV71 infection has a higher proportion of severe infection and a higher mortality rate, with the fatality rate of severe cases reaching 10%-25%, requiring rapid differential diagnosis.
2. has the following characteristics, such as continuous high fever is not retreated, poor spirit, vomiting, yi jing, limb jitter, weak breathing, heart rate increase fast, cold sweat, peripheral circulation, high blood sugar, high blood pressure significantly higher), peripheral blood leukocyte count, especially under the age of 3 patients, may in the short term development for critical cases, need to make the necessary auxiliary examination intestinal virus, Targeted treatment and treatment will be carried out.
3. Early detection of suspected cases, epidemiological investigation and control, to avoid widespread spread and transmission.

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