



Detection Kit for Children Fever and Rashes, Hand-Foot- and-Mouth disease (PCR-Fluorescence Probing)

CE NMPA FSC

- Enterovirus 71/Coxsackievirus A16/Enterovirus
- Enterovirus (Common genetic regions)
- Enterovirus 71
- Coxsackievirus A6
- Coxsackievirus A10
- Coxsackievirus A16



Decode Genetic Life. Assure Human Health.

FEATURES



Internal control

Internal control monitors the whole NAT procedure.



High Efficiency

Multiplex PCR technology to detect multiple virus in one sample.



Reliable

Reliable and stable detection performance.



High specificity

No cross-reaction with other similar pathogens.



This series of kits are used for the *in vitro* detection of enterovirus in multi-type of specimens from Hand-Foot-and-Mouth disease (HFMD) patients or suspected patients by PCR fluorescence probing technology, and can be used to distinguish among Enterovirus 71 (EV71), Coxsackievirus A16 (CA16), Coxsackievirus A6 (CA6) and Coxsackievirus A10 (CA10) .

HFMD is caused by enterovirus infection, has been a common epidemic among children especially under the age of 10 in recent years globally, whose main manifestations are ulcerative herpes of oral mucosa and vesicular rashes on extremities. Younger children tend to present the worse symptoms, usually fever, rashes on the palms, feet and buttocks, ulcers in the mouth and tongue, as well as upper respiratory tract infection.

The main pathogens of HFMD are CA16 and EV71, in recent years, the CA6 and CA10 have become a major cause of HFMD outbreaks worldwide. It is difficult to distinguish the HFMD caused by them using traditional clinical diagnosis. Particularly, the CA16 virus tends to present milder symptoms but some EV71 virus infections may lead to serious complications which has been linked to meningitis and encephalitis and can cause neurological, cardiovascular and respiratory problems. HFMD fatalities are often connected to the EV71 virus. Most HFMD patients fully recover in 7 to 10 days without treatment, although dehydration is common with the CA16 virus due to painful mouth sores.

The detection of enteroviruses is beneficial to epidemic surveillance and developing effective prevention and control measures.



ORDER INFORMATION

Description	Cat. No	Specification	Target gene	Certificates
Detection Kit for Enterovirus 71/Coxsackievirus A16/Enterovirus RNA (PCR-Fluorescence Probing)	DA0320 DA0321 DA0322	Large package, 10 tests/kit Large package, 48 tests/kit Single tube, 10 tests/kit	Conserved regions of enterovirus 71, coxsackie virus A16, and enterovirus gene coding regions	NMPA, FSC, CE
Detection Kit for Enterovirus 71/Coxsackievirus A16 (PCR-Fluorescence Probing)	DA0350 DA0351	Large package, 10 tests/kit Large package, 48 tests/kit	Conserved regions of enterovirus 71 and coxsackie virus A16	NMPA
Diagnostic Kit for Coxsackievirus A6 RNA (PCR-Fluorescence Probing)	DA0570 DA0571	Large package, 10 tests/kit Large package, 48 tests/kit	Conserved region of the CA6 gene	NMPA, CE
Detection Kit for Coxsackievirus A10 RNA (PCR-Fluorescence Probing)	DA0690 DA0691	Large package, 10 tests/kit Large package, 48 tests/kit	Conserved region of the CA10 gene	NMPA, CE <small>submission pending</small>
Enterovirus 71 Fluorescent Polymerase Chain Reaction Diagnostic Kit	DA0250	Large package, 24 tests/kit	Conserved regions of enterovirus 71	NMPA, FSC
Enterovirus Fluorescent Polymerase Chain Reaction Diagnostic Kit	DA0260	Large package, 24 tests/kit	Conserved regions of enterovirus	NMPA, FSC
Coxsackievirus A16 Fluorescent Polymerase Chain Reaction Diagnostic Kit	DA0270	Large package, 24 tests/kit	Conserved regions of coxsackie virus A16	NMPA, FSC

Applicable Instruments: ABI 7500, Roche LightCycler480 etc.

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