



Ver. HB221222

Monkeypox Virus Real Time qPCR Kit (UDG plus)

Product description

Monkeypox Virus Real Time qPCR Kit (UDG plus) is a PCR kit for the detection of monkeypox virus. Contains monkeypox virus primer probes, using the company's new-generation antibody method hot-start Taq enzyme 2× Mix master mix reagent and positive control, including Mg²⁺ and dNTP, etc., and adding factors and enhancements that effectively inhibit non-specific PCR amplification. The factor of the amplification efficiency of the multiplex qPCR reaction can improve the amplification efficiency of the reaction and promote the efficient amplification of low-concentration templates. This product contains UDG enzymes, which effectively prevent the risk of aerosol contamination.

Components

Components No.	Name	13863ES25 (25 T)	13863ES60 (100 T)	13863ES80 (1,000T)
13863-A	2× TaqMan qPCR Mix	313 μL	1.25 mL	12.5 mL
13863-B	Prime&Probe Mix	25 μL	100 μL	1 mL
13863-C	MPV Negative Control	125 μL	500 μL	5 mL
13863-D	MPV Positive Control	125 μL	500 μL	5 mL

Specifications

Fidelity (vs. Taq)	1 ×
Hot Start	YES
Polymerase	Taq DNA Polymerase
Reaction Format	Master Mix
Reaction Speed	Standard
Product Type	PCR Master Mix (2×)

Storage

The product should be stored at -25°C ~ -15°C for one year. This product avoids repeated freeze-thaw. It is recommended to save.

Instructions

1. Reaction System

Components	Size (μL)
Template DNA	5



Primer&Probe mix	1
2× TaqMan qPCR mix	12.5
ddH ₂ O	to 25

2. Amplification Protocol

Cycle steps	Temperature	Time	Cycles
Pre-digestion	37°C	5 min	1
Pre-denaturation	95°C	5 min	1
Amplification Reaction	95°C	15 sec	35
	60°C	30 sec	

【Notes】 :The annealing/extension temperature can be appropriately adjusted according to the experimental requirements.

Notes

1. Please use the RNase free consumables during the experiment.
2. For your safety and health, please wear lab coats and disposable gloves for operation.