

Monkeypox Virus (MPV) Nucleic Acid Detection Kit (PCR-Fluorescence Probe Method)



Application:

It is applied to the monitoring and auxiliary diagnosis of monkeypox virus. The application scenarios mainly include hospitals, CDC, scientific research institutions, and third-party medical testing laboratories recognized by health administrative agencies.

Introduction:

Monkeypox is a zoonotic disease caused by the monkeypox virus, which can be transmitted from animals to humans as well as from human to human. Monkeypox symptoms often include fever, severe headache, muscle aches, swollen lymph nodes, skin lesions, and more. According to the World Health Organization, more than 50 countries and regions around the world have reported confirmed cases of monkeypox. There is currently no cure for monkeypox, and the World Health Organization urges countries to strengthen surveillance and testing of the infectious disease.

This product is based on real-time fluorescent PCR technology, selects the highly conserved region of the monkeypox virus gene coding region as the target region, designs specific primers and fluorescent probes for PCR amplification, and performs PCR amplification on patient serum and lesion leaching fluid (vesicular fluid, pustule fluid) Qualitative detection of monkeypox virus DNA in It is suitable for auxiliary diagnosis of related diseases caused by monkeypox virus infection.

Features:

Internal Control: the kit contains Internal Control, which is involved in nucleic acid extraction and PCR detection to avoid false negative results

Control: Both negative and positive control in the kit need to be extracted for environmental monitoring and quality control of PCR detection reagents

High Sensitivity: The detection limitation is 200 copies/ml

High specificity: No cross reaction with other pathogens

Fast Speed: Nucleic acid extraction completed within 10 minutes, and the PCR amplification time is less than 1 hour

Certificate: CE declaration of conformity

Parameters:

Product Name	Monkeypox Virus (MPV) Nucleic Acid Detection Kit (PCR-Fluorescence Probe Method)
Detection Principle	Fluorescence PCR
Detection Target	Monkeypox Virus F3L gene
Sample Types	Serum or lesion exudate samples
Applicable Instruments	ABI7500、LEIA-X4、FQD-96A, etc
Storage	-20±5°C
Valid Period	12 Months
Reaction Volume	25ul
Detection Time	<60 min
Detection Limit	200 copies/ml
Packing Specification	24T/box or 48T/box or 96T/box; 90 boxes/carton
Packet Size (L*W*H)	500*500*500mm
Gross Weight	24kg