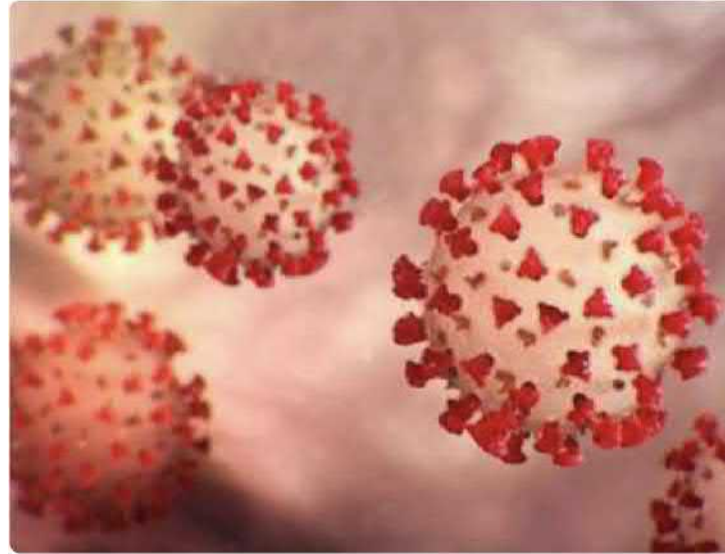


Detection Kit for Monkeypox Virus(MPV) (PCR Fluorescence Probing)



Features

- **Rapid** - Complete the whole process from extraction to amplification with a minimum of **45 minutes**
- **Flexible** - 3 specifications fulfill different demands
- **Accurate** - The assay sensitivity of this reagent is **500 copies/mL**.

Intended Use

- Detection kit for Monkeypox virus is designed to detect DNA from Monkeypox virus in specimens such as serum or plasma, vesicular or pustular lesion fluid collected from individuals.
- Monkeypox virus (MPV) is a double-stranded DNA, zoonotic virus and a species of the genus Orthopoxvirus in the family Poxviridae, and causes a human disease that resembles smallpox.

Test Principle

- This kit is based on real-time PCR fluorescence technology, and the specific primers and corresponding fluorescent probes target to the conserved region of MPV were designed for highly specific detection. By detecting the fluorescent signals changes, the MPV nucleic acid from specimen can be qualitatively detected.

Rapid PCR Solution



The amplification process takes 40-50 minutes on other applicable PCR instruments in the market.

Components

Name	24 tests/ kit	48 tests/ kit	96 tests/ kit	Constituents
PCR Buffer	450μL ×1 Tube	900μL ×1 Tube	900μL ×2 Tubes	Primers, probes, dNTPs
Polyase Mix	36μL×1 Tube	72μL×1 Tube	144μL×1 Tube	DNA polymerase, UDG
Negative Control	400μL×1 Tube	400μL×1 Tube	800μL×1 Tube	Normal Saline
Positive Control	400μL×1 Tube	400μL×1 Tube	800μL×1 Tube	Synthetic nucleic acid with target gene fragment

Specifications

24 Tests/Kit, 48 Tests/Kit, 96 Tests/Kit

Specimen requirement

Serum or plasma, vesicular or pustular lesion fluid.

Applicable Instruments

A real-time PCR instrument containing FAM and HEX/VIC fluorescence channels, such as Singuway Singu9600 Pro, Bio-Rad CFX96, ABI 7500, Thermo Fisher StepOnePlus.