

Monkeypox Virus Nucleic Acid Detection Kit (Fluorescence PCR Method)

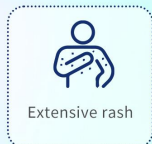
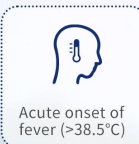
Innovative single-tube PCR, drive your lab efficiency

Monkeypox is a viral zoonosis with symptoms very similar to those seen in the past in smallpox patients. It is caused by the monkeypox virus which belongs to the orthopoxvirus genus of the Poxviridae family. Monkeypox presents with fever, an extensive characteristic rash and usually swollen lymph nodes. The incubation period of monkeypox is usually from 6 to 13 days but can range from 5 to 21 days. WHO recommends that detection of viral DNA by polymerase chain reaction (PCR) is the preferred laboratory test for monkeypox.

Death Rate 3.6%
The West African clade
The West African clade is currently spreading in Europe

Death Rate 10.6%
The Congo Basin (Central African) clade

Signs or Symptoms



FEATURES



Innovative 3-in-1 tube PCR

Innovative single-tube PCR, with reaction solution, primers and PCR enzymes in one tube, minimize time of sample adding



Various Specimen

Oropharyngeal swab, vesicular or pustular lesion fluid, diseased tissue



High Sensitivity

Reliable detection of Monkeypox virus, the limit of detection can be up to 200 copies/mL



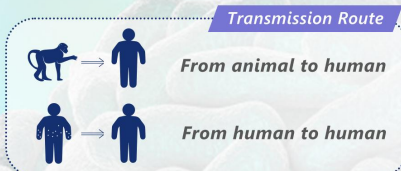
More Reliable

Based on Polymerase Chain Reaction (PCR) method, the gold standard for diagnosing monkeypox infection recommended by WHO



More applicable

Widely applicable in instruments with FAM, CY5 fluorescence channels



DATA INTERPRETATION

Figure 1: Gradient concentration Monkeypox virus amplification curve

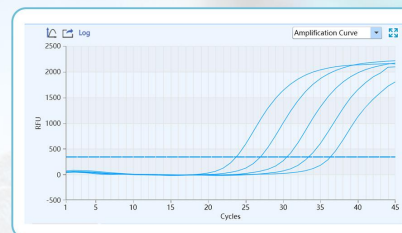
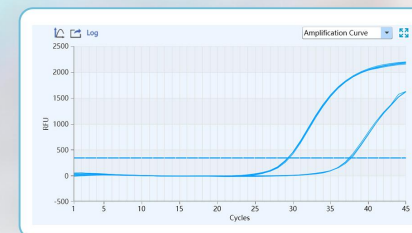


Figure 2: High concentration and low concentration Monkeypox virus repetitive amplification curve



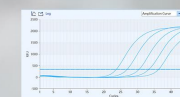
Monkeypox virus positive standard: If the Ct values of FAM channel are ≤ 43 , the result can be considered Monkeypox virus nucleic acid positive.

ORDERING INFORMATION

Product Name	Monkeypox Virus Nucleic Acid Detection Kit (Fluorescence PCR Method)
Cat.No	P771H
Specification	50T/Kit
Type of Analysis	Qualitative
Specimen	Oropharyngeal swab, vesicular or pustular lesion fluid, diseased tissue
Sensitivity	200 copies/mL
Precision	<5%
Storage & Validity	-25°C~-15°C for 12 months
Applicable Equipment	Instruments with FAM,CY5 fluorescence channels such as Applied Biosystems™ 7500 Real-Time PCR Systems and Tianlong Gentier Real-time PCR systems

ASSAY WORKFLOW

- 1 Sample Collection
- 2 Nucleic Acid Extraction
- 3 PCR Detection
- 4 Analysis and Report



version 1.0

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