



CE NMPA 

DA143X Detection Kit for **Monkeypox** **Virus** DNA (PCR-Fluorescence Probing)



Clade two (II)

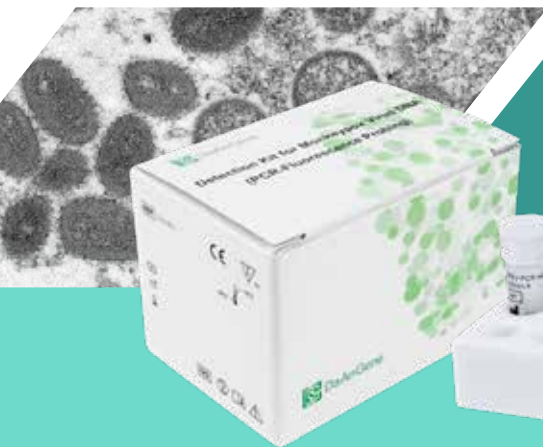
The Clade two (II) is currently spreading beyond Africa



Clade one (I)

Decode Genetic Life. Assure Human Health.

Reference: <https://www.cdc.gov/poxvirus/monkeypox/outbreak/current.html>



Monkeypox is a viral zoonosis (a virus transmitted to humans from animals) with symptoms very similar to those seen in the past in smallpox patients, typically presents clinically with fever, rash and swollen lymph nodes and may lead to a range of medical complications. It is caused by the monkeypox virus which belongs to the orthopoxvirus genus of the Poxviridae family. There are two clades of monkeypox virus: the Clade two (II) and the Clade one (I).

Background

Signs and symptoms



Fever



Rash

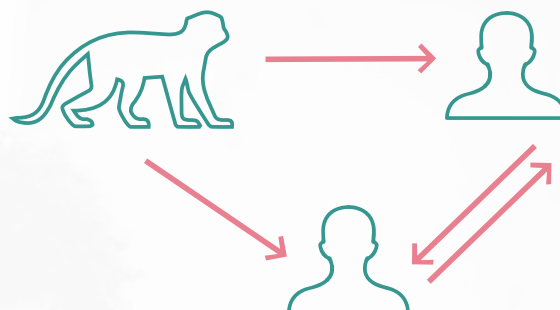


Exhaustion



Swollen lymph nodes

Transmission



Diagnosis

Polymerase chain reaction (PCR) is the preferred laboratory test given its accuracy and sensitivity, which is suggested by WHO. Confirmation of monkeypox virus infection is based on nucleic acid amplification testing (NAAT), using **real-time or conventional polymerase chain reaction (PCR) is preferred for detection of unique sequences of viral DNA and can be used alone.**

Reference: <https://www.who.int/emergencies/disease-outbreak-news/item/2022-DON385>
<https://www.who.int/news-room/fact-sheets/detail/monkeypox>
<https://www.who.int/publications/item/WHO-MPX-laboratory-2022.1>



Features



Reliable

Based on WHO recommended diagnosis method: real-time polymerase chain reaction (PCR)



High Specificity

Highly conservative region of Monkeypox virus gene coding region



High Accuracy

Involved endogenous internal to monitor the whole NAAT procedure from sampling to PCR result



Universal

Compatible with mainstream real-time fluorescent PCR system

Specifications

Test Principle	Real-time fluorescent PCR
Specimen type	Rashes, scabs, vesicle fluid, pustular fluid, or whole blood specimens
Fluorescence channel	FAM: Monkeypox conservative region, VIC: endogenous internal control
LOD	200 copies/mL
Storage and shelf life	-20±5°C, 12 months
Applicable Instruments	ABI 7500, Roche LightCycler480, AGS4800, AGS8830
Certificate	CE, NMPA

Order Information

Description	Cat. No.	Package
Detection Kit for Monkeypox Virus DNA (PCR-Fluorescence Probing)	DA1430	Large package, 24 tests/kit
	DA1431	Large package, 48 tests/kit

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