

WizDx™ CrystalMix MPOX

- High Sensitivity & Specificity
- Room temperature Storage/Shipping
- Ready-to-use Lyophilized PCR Kit



Easy & Fast



Accurate



Lyophilized
All-in-One



Room temp.
Storage/Shipping



No need PCR
preparation step



Reduce human error
Prevent contamination

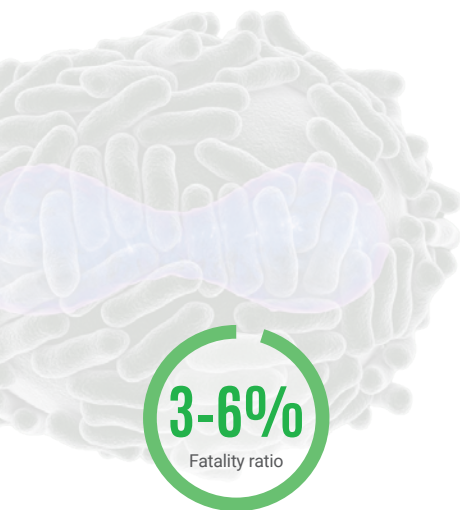


WizDx™ CrystalMix MPOX

WizDx™ CrystalMix MPOX kit is developed in lyophilized form for more convenient use and excellent stability even at room-temperature storage. It also serves as an optimized solution with high reproducibility and accuracy for Monkeypox virus diagnosis.



Next-generation Point-of-Care Molecular Diagnostic Technology



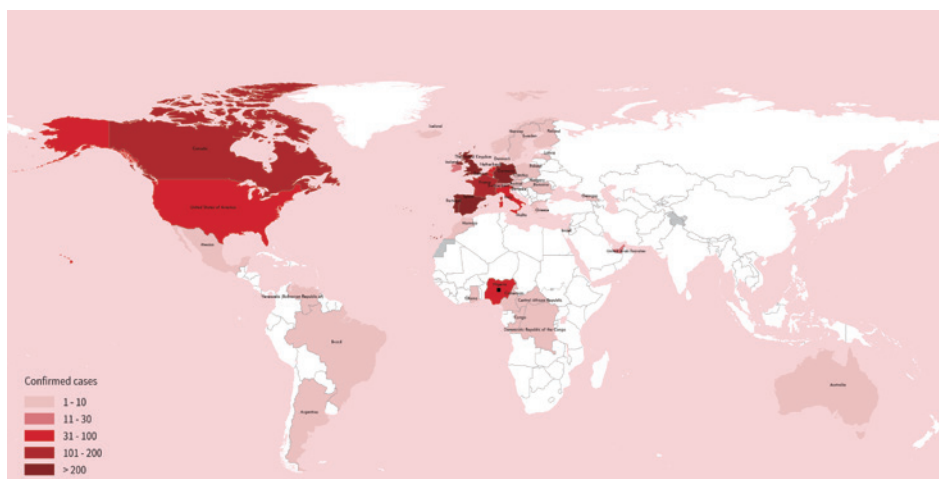
Key facts of Monkeypox

- Monkeypox is caused by monkeypox virus, a member of the Orthopoxvirus genus in the family Poxviridae.
- Monkeypox is usually a self-limited disease with the symptoms lasting from 2 to 4 weeks. Severe cases can occur. In recent times, the case fatality ratio has been around 3–6%.
- Monkeypox is transmitted to humans through close contact with an infected person or animal, or with material contaminated with the virus.
- Monkeypox virus is transmitted from one person to another by close contact with lesions, body fluids, respiratory droplets, and contaminated materials such as bedding.
- Monkeypox is a viral zoonotic disease that occurs primarily in tropical rainforest areas of central and west Africa and is occasionally exported to other regions.
- Monkeypox typically presents with fever, rash, and swollen lymph nodes and may lead to a range of medical complications.

Transmission



Multi-country Monkeypox outbreak



Geographic distribution of cases of monkeypox reported to or identified by WHO from official public sources, between 1 January and 15 June 2022, 5 PM CEST, (n=2103).

Simple, Fast, Accurate

Key Features of CrystalMix MPOX Kit



Anti-Carryover Technology

Prevents cross-contamination



Hot-Start PCR Technology

Minimizes non-specific PCR reactions and increases specificity



Enhanced-stability technology

Sustains long-term storage at room temperature



Automated dispensing system

Maximizes reproducibility and minimizes experimental errors



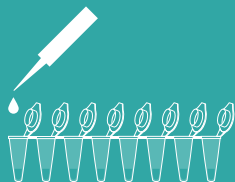
Ready-to-use, Freeze-dried form

Allows convenient storage and minimal experimental process

Easy & Fast Molecular Diagnosis

01 PCR set-up

WizDx™ CrystalMix offers freeze-dried, all-in-one tests. You may simply add prepped samples.



02 Run PCR test

With the CLEO™ Q16 PCR System, it takes less than 1 hour to be completed.

FAST



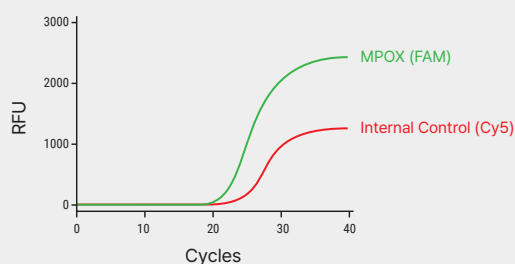
03 Results

CLEO™ Q16 makes it easy to view test results right on the instrument.

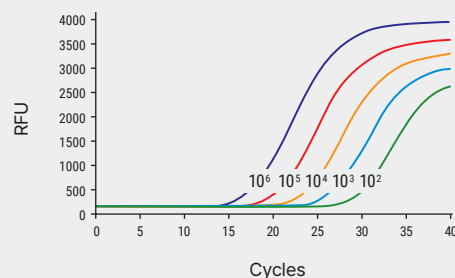


High sensitivity and Accurate Diagnostics

Real-time Assay



High sensitivity





Specifications

Principle of Procedure	Real-time PCR
Target	FAM for the sample, CY5 for the internal control
Tests for Package	96 Tests/kit
Reagent Type	Lyophilized (Freeze-dried) in PCR tube
Limit of Detection (LoD)	100 copies/rxn
Precision	Respectively detect the precise reference specimen of high and low concentrations in different time ranges 10 times, and the precision values of intra-assay and inter-assay Ct values were all <5%.
Specificity	No cross-reactivity of the assay was observed with Camelpox virus, Cowpox virus, Raccoonpox virus, and Taterapox virus.
Sample Types	Oropharyngeal swab, vesicular or pustular lesion fluid, diseased tissue samples, etc.
Shipping/Storage	Shipping and Storage at room temperature for 12 months
Compatible Instruments	Bio-Rad CFX96, Wizbiosolution's CLEO™ Q16 and similar real-time PCR instruments.

Ordering Information

Cat No.	Product	Package	Certification
DX1222	WizDx™ CrystalMix MPOX	96 T	RUO
CL0016	CLEO™ Q16 Real-time PCR	1 system	CE IVD KFDA
CL2016	CLEO™ AP16 Automated nucleic acid Extractor	1 system	IVD KFDA

