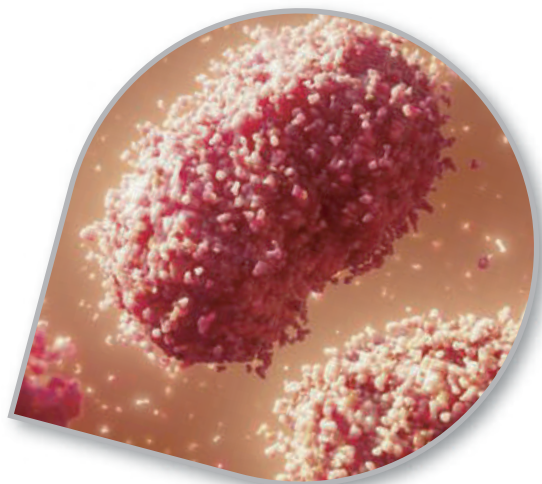


# MonkeyPox Virus Real-Time PCR Kit

Kit to detect the monkeypox virus  
in real time via PCR



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CE IVD

# MonkeyPox Virus Real-Time PCR Kit

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The **Monkeypox Virus Real-Time PCR** Kit enables the qualitative detection of the virus that causes monkeypox, covering variants from the Congo Basin (Central Africa) and West Africa.



- Multiplex PCR for MPXV detection in one single reaction tube per sample.
- Human beta globin endogenous control, serving as an internal control of the quality of the starting and amplification materials.
- Validated in thermocyclers:

QuantStudio™ 5 Real-Time  
PCR System  
(Applied Biosystems)

QuantStudio™ 3 Real-Time  
PCR System  
(Applied Biosystems)

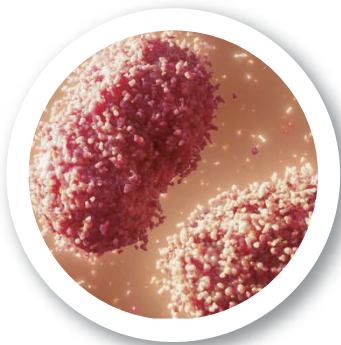
CFX96™ Real-Time PCR  
Detection System (Bio-Rad)  
Vitrocyler (Vitro S.A.)

- Quick and reliable results within 2 hours.

## Composition of the Kit

Single master mix, positive and negative control. The mix includes internal control primers/probes to validate human samples, making it possible to detect incorrect sampling or sample degradation. To prevent contamination with previous PCR products, the mix contains the Uracil-DNA glycosylase enzyme (Cod UNG), which degrades PCR products that contain dUTP.

## Targets



	TARGET	CHANNEL
Monkeypox	F3L gene	FAM
Internal control	Beta globin	HEX/JOE/VIC

## Samples

DNA extracted from clinical samples (surface swabs and/or swabbing of the skin lesion or lesion scabs)

## Diagnostic sensitivity and specificity.

Organism	TN	FP	TP	FN	Diagnostic specificity	95% CI	Diagnostic sensitivity	95% CI
<i>Monkeypox virus</i>	10	0	22	0	100%	65.54 - 100%	100%	81.5 - 100%

## Compatible systems

### EXTRACTION SYSTEMS:

- Nextractor NX-48S (Genolution)
- Maxwell 16 (Promega), etc.

### REAL-TIME PCR THERMOCYCLERS

- QuantStudio™ 5 Real-Time PCR System (Applied Biosystems)
- QuantStudio™ 3 Real-Time PCR System (Applied Biosystems)
- CFX96™ Real-Time PCR Detection System (Bio-Rad)
- Vitrocyler (Vitro S.A.)

REFERENCE	DESCRIPTION	QUANTITY
MAD-003969M	MonkeyPox Virus Real-Time PCR	50 tests



[www.vitro.bio](http://www.vitro.bio)

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