



"Ready & Easy-to-use" kits.  
Lyophilised product



Transport and storage at room temperature.  
Shelf-life: 24 months



Validated according to ISO 13485  
and CE marked

## Monkeypox virus

- ▶ **MPXV** is transmitted to humans through contact with an infected animal or human, or with material contaminated with the virus. The virus enters the body through broken skin, the respiratory tract or the mucous membranes. The incubation period of monkeypox is usually from 6 to 13 days but can range from 5 to 21 days. **Virus transmission through direct or indirect contact with live or dead animals is assumed to be the main factor for human MPX infections.**
- ▶ Human monkeypox often begins with a combination of the following symptoms: fever, headache, chills, exhaustion, asthenia, lymph node swelling, back pain and muscle aches. Commonly, within one to three days after onset of fever, the patient develops a rash, which tends to first appear on the face and then spreads to other parts of the body, including hands and feet. The cutaneous lesions often first present as macules, evolving successively to papules, vesicles, pustules, crusts and scabs.

For most people, MPXV is a self-limited disease, typically lasting two to four weeks and resulting in complete recovery.
- ▶ The key objectives of surveillance and case investigation for monkeypox in the current context are to rapidly identify cases, clusters, and the sources of infection as soon as possible in order to provide optimal clinical care, isolate cases to prevent further transmission, identify and manage contacts and tailor effective control and prevention methods based on most commonly identified routes of transmission; in this sense, **Polymerase chain reaction (PCR) is the preferred laboratory test given its accuracy and sensitivity.**

## Monkeypox Virus

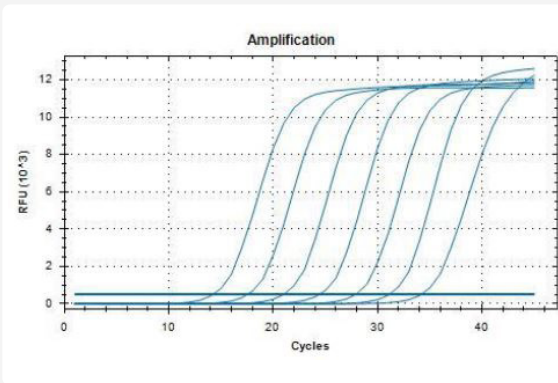
**VIASURE Monkeypox virus Real Time PCR Detection Kit** is a real-time PCR test designed for the qualitative identification of DNA from Monkeypox virus in clinical samples from individuals suspected of Monkeypox virus infection by their healthcare professional (HCP).

**This test is intended to be used as an aid in the diagnosis of Monkeypox virus infection in combination with clinical and epidemiological risk factors.**

DNA is extracted from clinical specimens, amplified using real-time PCR and detected using fluorescent reporter dye probes specific for Monkeypox virus.

### Analytical sensitivity

**VIASURE Monkeypox virus Real Time PCR Detection Kit** has a detection limit of 2 DNA copies per reaction for Monkeypox virus in serum samples and 8 DNA copies per reaction for Monkeypox virus in throat swabs with a positive rate of 95%.



**Figure 1.**  
Dilution series of Monkeypox virus (107-101 copies/rxn) template run on the CFX96™ Real-Time PCR Detection System (Bio-Rad) (channel FAM).

### References - VIASURE Monkeypox Virus Real Time PCR Detection Kit

1 x 8-well strips, low profile. ....	VS-MPX101L	1 x 8-well strips, high profile. ....	VS-MPX101H
6 x 8-well strips, low profile. ....	VS-MPX106L	6 x 8-well strips, high profile. ....	VS-MPX106H
12 x 8-well strips, low profile ....	VS-MPX112L	12 x 8-well strips, high profile ....	VS-MPX112H
96-well plate, low profile ....	VS-MPX113L	96-well plate, high profile ....	VS-MPX113H
2 x 4-well strips, Rotor-Gene® ....	VS-MPX101	9 x 4-well strips, Rotor-Gene® ....	VS-MPX136
18 x 4-well strips, Rotor-Gene® ....	VS-MPX136	4 tubes x 24 reactions ....	VS-MPX196T

*For more information and use procedure,  
read the instructions for use included in this product.*



**Certest Biotec, S.L.** Pol. Industrial Río Gállego II · Calle J, Nº1 50840, San Mateo de Gállego, Zaragoza (Spain)  
Tel. (+34) 976 520 354 | [viasure@certest.es](mailto:viasure@certest.es) | [www.certest.es](http://www.certest.es)

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