CerTest BIOTEC

VIASURE
Real Time PCR Detection Kits

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.**

"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**

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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%.

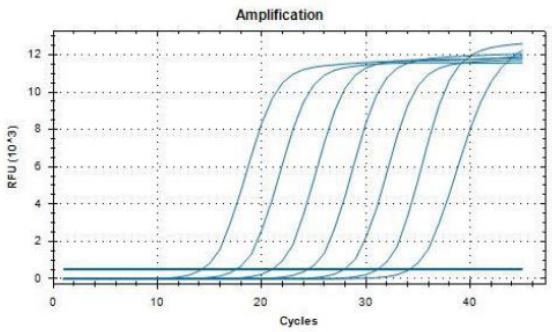

Figure 1.

Dilution series of Monkeypox virus (10^7-10^1 copies/rxn) template run on the CFX96™ Real-Time PCR Detection System (Bio-Rad) (channel FAM).

Reference - VIASURE Monkeypox virus Real Time PCR Detection Kit-

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

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