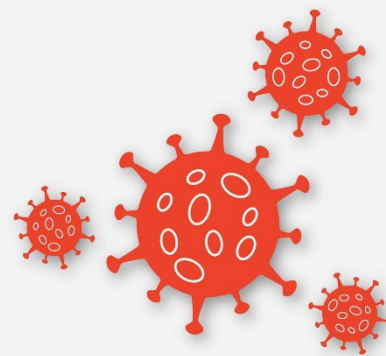


# Monkeypox Virus Real-time PCR Kit

For Research Use Only. Not for diagnostic procedures.



Monkeypox virus is zoonotic disease meaning it is transmitted from animals to humans. It is an enveloped double-strand DNA virus belonging to the *Orthopoxvirus* genus. Symptoms are similar to smallpox but less severe. Outbreaks of Monkeypox have been limited to endemic areas of Africa, however in May 2022 an increase in cases have been recorded in non-endemic countries across the world. According to W.H.O., **PCR is the preferred method** of detection.

## References

1. Monkeypox. WHO. [www.who.int](http://www.who.int). Accessed 20 July 2022.

## Product Information

Compatible with most  
thermocyclers

LoD: 200 copies/ml

Detects central and west  
African clades



Sample types include:

- Lesion swab
- Blood
- Urine
- Mucous
- Respiratory samples

Component	Contents	Specs (80 tests/kit)
MV Reaction tube	Primers, Probes, Mg <sup>2+</sup> , dNTPs, Taq, DNA Pol, U-N-Glycosylase	8-tube strip x 10
MV Positive Control	Armored DNA for Monkeypox virus, Internal control (Rnase P gene)	1-tube x 1
MV Negative Control	No template control	1000µL/tube x 1

**Pseudovirus validation control sold separately.**

## Performance

Three hundred (n=300) simulated samples were tested using both the GenScript Monkeypox Virus RT-PCR Kit and a comparator detection kit. The results of the comparison were that the GenScript Monkeypox Virus RT-PCR Kit was **100% sensitive and specific** for the group of tested samples.