

MONKEYPOX

Complete molecular solution
adapted to your needs

MONKEYPOX REALTIME PCR KIT

Realtime multiplex amplification for the one-step detection of nucleic acid from Monkeypox virus (MPXV) in skin lesions.

- **Double target assay:** specific for MPXV (*F3L* gene) and generic for *Orthopoxvirus* genus (*E9L* gene).
- **Multiplex PCR** - one single reaction tube per sample.
- Suitable for FAM/Cy5/HEX (VIC) qPCR cyclers.
- **Endogenous human *RNAse P* control** for monitoring the carry-over of amplification inhibitors, sample integrity and the correct amplification set-up.
- **Fast and reliable results** in 1 h 30 min.
- **Lyophilized** master mix and positive control to ensure stability and reduce transportation costs.
- **New pre-dispensed format** of 96 x 0.1 ml tear-off plate with 12 break-a-part 8-tube strips (LPD) for greater user convenience.



Ref. RTPCR018-LPD-R

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APPLICATIONS



Vesicular smear collected from the lesion on transport medium or on a dry swab is the most common sample.

CONTENT



Single mix, Reconstitution solution, Positive control and Negative control. The mix includes internal control primers/probes for human specimen validation that allows detecting improper sample collection or degradation.

Kit format:

Ref. RTPCR018-LPD contains caps and 96 x 0.1ml Tear Off 8-Tube Strip Mat with pre-dispensed lyophilized master mix.

COMPATIBILITY



Extraction systems:

BioMérieux (NucliSENS® easyMag®), Roche (MagNA Pure System), TANBead (Maelstrom 4800 and 9600), Thermo Fisher Scientific (KingFisher Flex) and Bruker (GenoXtract 12), among others.

RealTime PCR thermocyclers:

Bio Rad (CFX96 Touch™), Roche (LightCycler® 96, LightCycler® 480 and COBAS® z480), Agilent (Aria Mx), Thermo Fisher Scientific (ABI 7500/ 7500 Fast) and Azure (Cielo 6), among others.

TARGETS



	Target	Channel
Monkeypox virus (specific)	F3L gene	FAM
Monkeypox virus (<i>Orthopoxvirus</i> genus)	E9L gene	HEX/VIC
Internal control (IC)	Human <i>ARNasa P</i> gene	Cy5

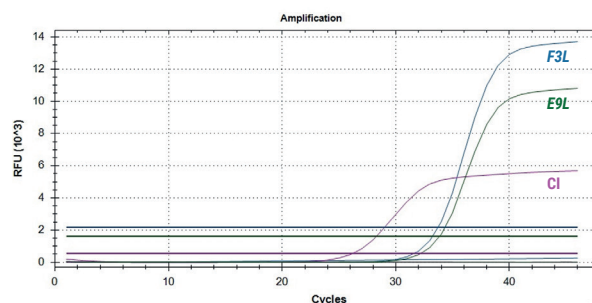
INFORMATION AND RELATED PRODUCTS

Description	Reference	Content
MONKEYPOX REALTIME PCR KIT NEW	RTPCR018-LPD-R	96 tests
AMPLIRUN® MONKEYPOX VIRUS DNA CONTROL NEW	MBC146-R	10.000-20.000 copies/µl
AMPLIRUN® TOTAL MONKEYPOX VIRUS CONTROL (SWAB) NEW	MBTC032-R	10 vials

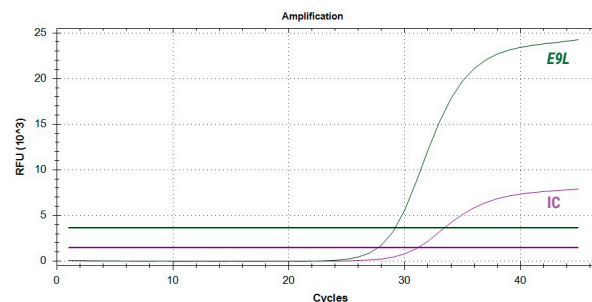
INTERPRETATION OF RESULTS



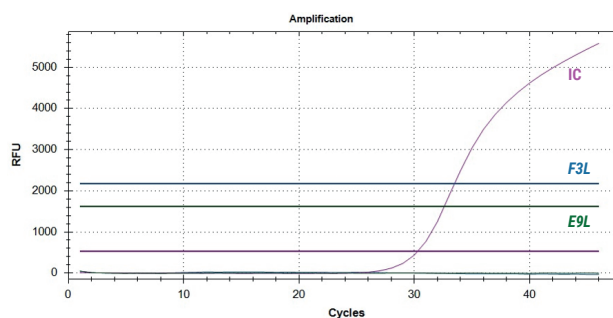
MONKEYPOX VIRUS



ORTHOPOXVIRUS (OTHER THAN MONKEYPOX)



NEGATIVE SAMPLE



Vircell, S.L.

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