

GENITAL ULCER

The molecular solution as an aid to differential diagnosis of the infectious disease

GENITAL ULCER REALTIME PCR KIT

Real Time RT-PCR kit to detect nucleic acids from *Chlamydia trachomatis* serovar L (CT-LGV), herpes simplex virus 1 (HSV-1), herpes simplex virus 2 (HSV-2), *Treponema pallidum* (TP), *Haemophilus ducreyi* (HD), varicella-zoster virus (VZV) and monkeypox virus (MPXV) in genital skin lesions and perianal/rectal samples.

- Multiplex PCR in two reaction tubes per sample.
- Simultaneous analysis of 7 pathogens using specific targets: CT-LGV, HSV-1, HSV-2, TP, HD, VZV and MPXV.
- First genital ulcer kit in the market including MPXV.
- Internal control for monitoring the carry-over of amplification inhibitors and the correct amplification set-up.
- Fast and reliable results in less than 2 hours.
- Suitable for 5-channel qPCR cyclers: FAM, HEX (VIC), Texas Red (ROX), Cy5 and Q705 (Cy5.5)
- 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. RTPCR007-LPD

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APPLICATIONS

Genital skin lesions and perianal/rectal exudates samples.

CONTENT

Master mix A and B, reconstitution solution, positive and negative control. Each mix includes internal control primers/probes monitoring the carry-over of amplification inhibitors and the correct amplification set-up.

Kit formats:

Ref. RTPCR007-LPD contains caps and 96 x 0.1ml Tear Off 8-Tube Strip Mat with pre-dispensed lyophilized master mix.



● RTPCR MIX A ● RTPCR MIX B

COMPATIBILITY

Extraction systems: BioMérieux (NucliSENS® easyMag®), Roche (MagNA Pure System), TANBead (Maelstrom 4800 and 9600), Thermo Fisher Scientific (KingFisher Flex), Bruker (GenoXtract 12) and MagXtract® 3200 (Chroma), among others.

RealTime PCR thermocyclers: Bio Rad (CFX96 and CFX96 Touch™), Azure Biosystems (Azure Cielo™ 6) and Thermo Fisher Scientific (Quantstudio 5), among others.

TARGETS

	Mix	Target	Channel
CT-LGV	A	<i>pmpH</i> gene	FAM
HSV-1	A	<i>GlyB</i> gene	Cy5
HSV-2	A	<i>GlyG</i> gene	HEX/VIC
TP	A	<i>TTP47</i> gene	Texas Red/ROX
HD	B	<i>16-23S</i> intergenic region	FAM
MPXV	B	<i>F3L</i> gene	HEX/VIC
VZV	B	<i>HHV3gp31</i> gene	Texas Red/ROX
Internal Control	A, B	Exogenous nucleic acid	Q705 (Cy5.5)

ORDERING INFORMATION

Description		Cat. No.	Content
GENITAL ULCER REALTIME PCR KIT	CE ₀₁₂₃	RTPCR007-LPD	48 tests
CT/NG/TV/MG REALTIME PCR KIT	CE	RTPCR006/-LPD	96 tests
AMPLIRUN® TOTAL CT/NG/TV/MGE CONTROL (SWAB)		MBTC024-R	10 viales
AMPLIRUN® TOTAL MONKEYPOX VIRUS CONTROL (SWAB)		MBTC032-R	10 viales

PERFORMANCE

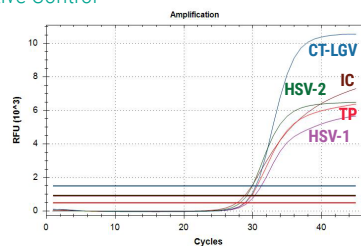
	Sensitivity	Specificity	No. of samples
CT-LGV	98%	100%	88
HSV-1	98%	100%	81
HSV-2	100%	100%	74
TP	100%	100%	74
HD	100%	100%	74
MPXV	100%	100%	74
VZV	100%	100%	77

Analytical sensitivity - Limit of detection:

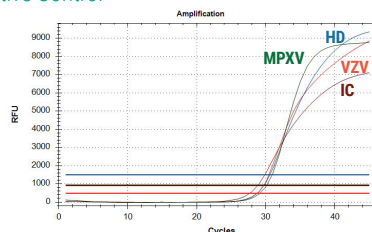
	CT-LGV	HD	HSV-1	HSV-2	MPXV	TP	VZV
Copies/ml	300	400	100	300	300	200	400
Copies/reaction	3	4	1	3	3	2	4

INTERPRETATION OF RESULTS

Mix A Positive Control



Mix B Positive Control



Negative Control

