

SEXUALLY TRANSMITTED INFECTIONS

Multiplex molecular solution

CT/NG/TV/MG REALTIME PCR KIT

Real-time amplification of nucleic acids for detection of *Chlamydia trachomatis* (CT), *Neisseria gonorrhoeae* (NG), *Trichomonas vaginalis* (TV) and *Mycoplasma genitalium* (MG) in human endocervical, perianal, urethral and pharyngeal exudates and urine.

- 5 targets Multiplex PCR - **one single reaction tube** per sample.
- Simultaneous analysis of **4 pathogens** using specific targets: CT, NG, TV and MG.
- **Internal control** - for monitoring the carry-over of amplification inhibitors and the correct amplification set-up.
- Suitable for **5-channel qPCR cyclers**: FAM, HEX (VIC), Q705 (Cy5.5), Texas Red (ROX) and Cy5.
- Fast and reliable **results in under 2 hours**.
- **Lyophilized** master mix and positive control to ensure stability and reduce transportation costs.
- **Different kit presentations** for greater user convenience: vials and pre-dispensed strip-divisible plate.



Ref. RTPCR006-LPD



Ref. RTPCR006

STI Multiplex molecular solution

CONTENT

Single mix, Reconstitution solution, Positive control and Negative control. The mix includes internal control primers/probes for monitoring the carry-over of amplification inhibitors and the correct amplification set-up.

Kit formats:

Ref. RTPCR006 contains 6 glass vials of lyophilized master mix. Reaction tubes are not included.

Ref. RTPCR006-LPD contains caps and 96 x 0.1ml Tear Off 8-Tube Strip Mat with pre-dispensed lyophilized master mix.

TARGETS

Microorganism	Target	Channel
<i>Chlamydia trachomatis</i>	<i>pmpH</i> gene	FAM
	Specific region inside <i>pCTT1</i> plasmid	
<i>Neisseria gonorrhoeae</i>	<i>opaI</i> gene	HEX/VIC
<i>Trichomonas vaginalis</i>	<i>G3hp</i> gene	Cy5
<i>Mycoplasma genitalium</i>	<i>mgpA</i> gene	Texas Red/ROX
Internal control	Exogenous	Quasar 705

APPLICATIONS

Human human endocervical, perianal, urethral and pharyngeal exudates and urine.

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.

Real Time PCR thermocyclers: Bio Rad (CFX96 Touch™), Agilent (Mx3005P), Analytik Jena (qTOWER), Qiagen (Rotor-Gene Q5plex), Thermo Fisher Scientific (QuantStudio 5) and Azure Biosystems (Cielo™), among others.

PERFORMANCE

	Sensitivity	Specificity	No. of samples
<i>Chlamydia trachomatis</i>	99%	100%	370
<i>Neisseria gonorrhoeae</i>	98%	100%	332
<i>Trichomonas vaginalis</i>	98%	100%	143
<i>Mycoplasma genitalium</i>	99%	100%	196

Analytical sensitivity - Limit of detection:

	Copies/ml	Copies/Reaction
<i>Chlamydia trachomatis</i>	1300	13
<i>Neisseria gonorrhoeae</i>	180	1.8
<i>Trichomonas vaginalis</i>	10	0.1
<i>Mycoplasma genitalium</i>	1400	14

INFORMATION AND RELATED PRODUCTS

Description	Reference	Content
CT/NG/TV/MG REALTIME PCR KIT	CE 0318 RTPCR006	96 tests
CT/NG/TV/MG REALTIME PCR KIT	CE 0318 RTPCR006-LPD	96 tests
AMPLIRUN TOTAL CT/NG/TV/MGE CONTROL (SWAB)	MBTC024-R	10 vials

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