

CE-IVD

TaqPath Menu GeneProof CT/NG/MG Multiplex PCR Kit

Molecular diagnostic for sexually transmitted infections

Broad range of reliable and simple PCR-based testing to help diagnosis

Prompt and early diagnosis of sexually transmitted infections (STIs) is important to enable appropriate treatment and help prevent further transmission. Clinical testing labs require STI testing solutions that help provide confidence, fast turnaround time, and accurate results. The CE-marked

Applied Biosystems™ TaqPath™ Menu | GeneProof™ STI portfolio supports sexual health testing and delivers reliable results with excellent sensitivity and specificity. This helps give confidence in screening, diagnostic, and treatment decisions, and helps stop the spread of disease.

Applied Biosystems™ TaqPath™ Menu | GeneProof™ CT/NG/MG Multiplex PCR Kit features:



Get more information from one reaction

- Detects and distinguishes the most important STI pathogens in a single reaction tube:
 - *Chlamydia trachomatis* (CT)
 - *Neisseria gonorrhoeae* (NG)
 - *Mycoplasma genitalium* (MG)



Simple laboratory workflow

- Easily combinable with other PCR kits from the TaqPath Menu | GeneProof STI portfolio in one workflow



Easy to use

- Single tube, ready-to-use Master Mix contains all components for PCR amplification
- No additional pipetting of PCR reagents is necessary



Compatible with a wide range of real-time PCR devices



High sensitivity

- Detects *porA* mutation of NG and Swedish variant of CT
- Secured by targeting the multicopy sequence of 16S rRNA for all three detected pathogens



Contamination reduction

- Master mix contains uracil-DNA glycosylase (UNG) and dUTPs reducing carryover contamination

Product details for the TaqPath Menu | GeneProof CT/NG/MG Multiplex PCR Kit

Technology	Qualitative real-time PCR
Target sequence	<ul style="list-style-type: none"> The cryptic plasmid sequence and the 16S rRNA gene for <i>Chlamydia trachomatis</i> The 16S rRNA gene and porA pseudogene for <i>Neisseria gonorrhoeae</i> The 16S rRNA gene for <i>Mycoplasma genitalium</i>
Sample type	Swab, urine
Analytical specificity	<i>Chlamydia trachomatis</i> , <i>Neisseria gonorrhoeae</i> , and <i>Mycoplasma genitalium</i> , 100%
Analytical sensitivity (LoD with 95% probability)	<ul style="list-style-type: none"> 0.177 cp/μL (on Amplirun™ <i>Chlamydia trachomatis</i> DNA control, Vircell) 0.22 cp/μL (on Amplirun™ <i>Neisseria gonorrhoeae</i> DNA control, Vircell) 1.129 cp/μL (on Amplirun™ <i>Mycoplasma genitalium</i> DNA control, Vircell)
Diagnostic specificity	96.89% (CI 95%: 93.04%–98.73%)
Diagnostic sensitivity	97.67% (CI 95%: 86.20%–99.88%)
Instruments	Applied Biosystems™ 7500 Real-Time PCR System Applied Biosystems™ QuantStudio™ 5 Real-Time PCR System croBEE Real-Time PCR System AMPLilab™ Real-Time PCR System CFX96™ and CFX96 Dx Real-Time PCR Detection Systems Mic qPCR Cyclers AriaMx™ Real-Time PCR System LineGene™ 9600 Plus Rotor-Gene™ 3000 and Rotor-Gene™ Q cyclers
Validated extraction methods	Refer to the instructions for use (IFU)
Detection channel	FAM, HEX, Cy5, Texas Red
External quality assessment	Regularly tested in Quality Control for Molecular Diagnostics (QCMD) and INSTAND e.V. external quality assessment panels

Ordering information

Description	Quantity	Cat. No.
TaqPath Menu GeneProof CT/NG/MG Multiplex PCR Kit	100 reactions	A58117

Rely on a comprehensive portfolio of Applied Biosystems™ TaqPath™ Menu | GeneProof™ Kits to help meet your lab's clinical testing needs

- TaqPath Menu | GeneProof Human Papillomavirus (HPV) Screening PCR Kit
- TaqPath Menu | GeneProof Mycoplasma genitalium/hominis PCR Kit
- TaqPath Menu | GeneProof Trichomonas vaginalis PCR Kit
- TaqPath Menu | GeneProof Herpes Simplex Virus (HSV-1/2) PCR Kit
- TaqPath Menu | GeneProof Neisseria gonorrhoeae PCR Kit
- TaqPath Menu | GeneProof Chlamydia trachomatis PCR Kit
- TaqPath Menu | GeneProof Gardnerella vaginalis PCR Kit
- TaqPath Menu | GeneProof MH/UU/UP Multiplex PCR Kit
- TaqPath Menu | GeneProof Ureaplasma PCR Kit
- TaqPath Menu | GeneProof Treponema pallidum PCR Kit



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