

CE-IVD

TaqPath Menu GeneProof Mycobacterium tuberculosis PCR Kit

Molecular diagnostic for respiratory tract infections

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

Prompt and early diagnosis of respiratory tract infections (RTIs) is important to enable appropriate treatment and help prevent further transmission. Clinical testing labs require RTI testing solutions that help provide confidence, fast turnaround time, and accurate results. The CE-marked Applied Biosystems™

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

Applied Biosystems™ TaqPath™ Menu | GeneProof™ Mycobacterium tuberculosis PCR Kit features:



High specificity

- Detection of all species from *Mycobacterium tuberculosis* complex (*M. tuberculosis*, *M. africanum*, *M. bovis*, *M. microti*, *M. pinnipedi*, *M. canetti*, *M. caprae*, *M. orygis*, *M. mungi*, and the vaccination strain Bacillus Calmette-Guérin, BCG)



Easy-to-use concept

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



Contamination reduction

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



Wide range of validated clinical materials

- Enables detection from a broad spectrum of respiratory and gastrointestinal samples
- Sputum, BAL, swab, urine, CSF, plasma, stool



Compatible with a wide range of real-time PCR devices



Dual target detection

- Dual targeting prevents detection failures caused by occurrence of mutations
- Secured by targeting the multicopy sequence IS6110 and MPB64

Product details for the TaqPath Menu | GeneProof Mycobacterium tuberculosis PCR Kit

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|--------------------------------------|--|
| Technology | Qualitative real-time PCR |
| Target sequence | Multicopy insertion sequence IS6110 and the sequence for immunogenic protein MPB64 |
| Sample type | Sputum, swab, urine, cerebrospinal fluid (CSF), plasma, stool*, bronchoalveolar lavage (BAL) |
| Analytical specificity | <i>Mycobacterium tuberculosis</i> complex (<i>M. tuberculosis</i> , <i>M. africanum</i> , <i>M. bovis</i> , <i>M. microti</i> , <i>M. canettii</i> , <i>M. pinnipedi</i> , <i>M. caprae</i> , <i>M. orygis</i> , <i>M. mungi</i> , and the vaccination strain Bacillus Calmette-Guérin, BCG), 100% |
| Analytical sensitivity (LoD) | 0.09 cp/μL (performed on AmpliRun Mycobacterium tuberculosis DNA Control, Vircell) |
| Extraction/inhibition control | PCR inhibition and DNA extraction efficiency control by internal control (IC) |
| Instruments | Applied Biosystems™ 7300 and 7500 Real-Time PCR Systems Applied Biosystems™ QuantStudio™ 3 and QuantStudio™ 5 Real-Time PCR Systems croBEE Real-Time PCR System AMPLilab Real-Time PCR System AriaMx Real-Time PCR System BioQuant-96 Real-Time PCR System CFX Connect/CFX96/Dx Real-Time PCR Detection System LightCycler 480 LineGene 9600 Plus Mic qPCR Cyclers Rotor-Gene 3000/6000/Q Gentier 96E/96R Real-Time PCR System SLAN Real-Time PCR System |
| Validated extraction methods | Refer to the Instructions for Use (IFU) |
| Detection channel | FAM, HEX/JOE/VIC |
| External quality assessment | Regularly tested in QCMD and Instand e.V. External Quality Assessment Panels |

* Only in combination with QIAamp DNA Stool Mini Kit.

Ordering information

| Description | Quantity | Cat. No. |
|---|---------------|----------|
| TaqPath Menu GeneProof Mycobacterium tuberculosis PCR Kit | 100 reactions | A58212 |

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

- TaqPath Menu | GeneProof Adenovirus PCR Kit
- TaqPath Menu | GeneProof Enterovirus PCR Kit
- TaqPath Menu | GeneProof Chlamydia pneumoniae PCR Kit
- TaqPath Menu | GeneProof Bordetella pertussis/parapertussis PCR Kit
- TaqPath Menu | GeneProof Mycoplasma pneumoniae PCR Kit



Learn more at thermofisher.com/rti-taqpath



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