



GeneProof

GeneProof Mycobacterium tuberculosis PCR Kit



HIGH SENSITIVITY

- Secured by targeting the multi-copy sequence IS6110 found only in the species within the *M. tuberculosis* complex

HIGH SPECIFICITY

- Detection of all species from *Mycobacterium tuberculosis* complex (*M. tuberculosis*, *M. bovis*, *M. africanum*, *M. microti*, *M. caprae*, *M. canetti*)

CONTAMINATION ELIMINATION

- Ready-to-Use Master Mix contains Uracil-DNA glycosylase (UNG) and dUTPs eliminating possible contamination with amplification products



COMPATIBLE WITH A WIDE RANGE OF REAL-TIME PCR DEVICES



CERTIFIED DIAGNOSTIC TEST



GeneProof Mycobacterium tuberculosis PCR Kit

- + GeneProof Adenovirus PCR Kit
- + GeneProof Chlamydia pneumoniae PCR Kit
- + GeneProof Mycoplasma pneumoniae PCR Kit
- + GeneProof Aspergillus PCR Kit
- + GeneProof Legionella pneumophila PCR Kit
- + GeneProof Mycobacterium tuberculosis PCR Kit
- + GeneProof Bordetella pertussis/parapertussis PCR Kit
- + GeneProof Flu Multiplex PCR Kit
- + GeneProof Enterovirus PCR Kit

TECHNOLOGY	real-time PCR
TYPE OF ANALYSIS	qualitative
TARGET SEQUENCE	specific multi-copy insertion sequence IS6110
ANALYTICAL SPECIFICITY	<i>Mycobacterium tuberculosis</i> complex (<i>M. tuberculosis</i> , <i>M. bovis</i> , <i>M. africanum</i> , <i>M. microti</i> , <i>M. caprae</i> , <i>M. canetti</i> and vaccine strain BCG), 100%
ANALYTICAL SENSITIVITY (LOD)	reaches up to 0.191 cp/μl with the probability 95% (on Amplirun [®] Mycobacterium tuberculosis DNA control, Vircell)
EXTRACTION / INHIBITION CONTROL	PCR inhibition and DNA extraction efficiency control (ISEX version)
VALIDATED SPECIMEN	BAL, CSF, sputum, stool, swab, urine
STORAGE	-20 ± 5 °C
VALIDATED EXTRACTION METHODS	croBEE NA16 Nucleic Acid Extraction System GeneProof PathogenFree DNA Isolation Kit
INSTRUMENTS	croBEE Real-Time PCR System* Applied Biosystems 7300 / 7500 Real-Time PCR System AriaMx Real-Time PCR System CFX Connect™ / CFX96™ / Dx Real-Time PCR Detection System LightCycler [®] 2.0 / 480 LineGene 9600 / 9600 Plus Mic qPCR Cyclers QuantStudio™ 3 / 5 Real-Time PCR System Rotor-Gene 3000 / 6000 / Q SLAN [®] Real-Time PCR System StepOne™ / StepOnePlus™ Real-Time PCR System
REQUIRED DETECTION CHANNELS	FAM, HEX
EXTERNAL QUALITY ASSESSMENT	regularly tested by the QCMD and Instand e. V. External Quality Assessment Panels - results at www.geneproof.com
REGULATORY STATUS	CE IVD

*Validated instruments

PRODUCT NAME	TECHNOLOGY	ORDER NO.		
		25 REACTIONS	50 REACTIONS	100 REACTIONS
GeneProof Mycobacterium tuberculosis PCR Kit	real-time PCR	MT/ISEX/025	MT/ISEX/050	MT/ISEX/100