

MTB RT PCR ASSAYS

CLINICAL INFORMATION

Tuberculosis (TB) is an infectious bacterial disease caused by mycobacterium tuberculosis, which most commonly affects the lungs. It is transmitted from person to person via droplets from the throat and lungs of people with the active respiratory disease. The Mycobacterium tuberculosis real time PCR Kit contains a specific ready-to-use system for the detection of the Mycobacterium tuberculosis complex by polymerase chain reaction (PCR) in the real-time PCR system. The master contains reagents and enzymes for the specific amplification of the Mycobacterium tuberculosis complex DNA. Fluorescence is emitted and measured by the real time systems optical unit during the PCR.

KEY FEATURES

MTB DNA DETECTION KIT

- Ready-to-use reagents
- Complete qualitative kit
- Validated on **>2000 NABL** samples.
- Validated with all major extraction and amplification platforms
- Designed for low to high throughput analysis
- Specially Formulated PCR Enhancers[®]
- Ultra-High Specificity & Sensitivity. Detection Limit @ 50 copies/ul.

TECHNICAL INFORMATION

PRODUCT CODE	STRUMBTB50
TEST/PARAMETERS	Mycobacterim tuberculosis DNA Detection test
Principle of the test	Taqman 5'Nuclease Assay [Pathogen detection]
Type	Qualitative
Technology	Real Time PCR
Gene target	MPB64
Range Detection	NA
Specimen	Sputum and body fluids
MGB Probe	Yes (n=2) Includes Inhibition control probe
Detection limit	50 copies/uL
Controls included	(1)Positive Control (2) Negative Control (3) Inhibition Control
Reporting unit	Detected/Not detected
Number of tests	50
Storage conditions	-20 Degree C
Validation platform	Rotorgene (Qiagen) Applied Biosystems Roche
Status	Research Use Only
NABL Samples Validated	Yes

STRUMED SOLUTIONS PRIVATE LIMITED

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