








MTBSure - *Mycobacterium tuberculosis* **Real-Time PCR Kit**

-  For sensitive and specific detection of *Mycobacterium tuberculosis* (MTB) bacterial gene in sputum samples
-  High Quality Reagents for Increased Tolerance, Thermostability, and Reproducibility
-  Turnaround time within 70 minutes
-  Compatible with all Real-Time PCR Instruments
-  Make-in-India, cost effective product compared to imported kit



Mycobacterium tuberculosis (MTB) Real-Time PCR Kit

Tuberculosis (TB), the world's second-leading cause of death from a single infectious agent which remains a preventable yet persistent global health threat. Despite continuous efforts, over 10 million people contract TB each year, leading to approximately 1.3 million deaths. Immediate action is imperative to eliminate this epidemic.

MTB is the causative agent of tuberculosis, commonly diagnosed through acid-fast staining of sputum smears with limited sensitivity in microscopy. An alternative diagnostic method is sputum culturing, which is time-consuming requires 2-6 weeks for results.

Trivitron's RT-PCR kit is highly sensitive and specific, enabling precise detection of Mycobacterium tuberculosis (MTB) in clinical samples within just 2 hours from sample receipt.

Sample type: Detect Mycobacterium tuberculosis bacterial DNA in human sputum samples

Available Pack size: Rxn : 25rxn, 50rxn, 100rxn, 500rxn

MTB Target: Mpt64 and IS6110

Principle of the Test

MTB Multiplex RT-PCR kit is based on the amplification and real time detection of the desired specific product via fluorescent dyes or fluorescent labelled probes. These specific fluorescent labelled probes binds to the amplified products and hence produces fluorescent signals based on which real time data get generated.

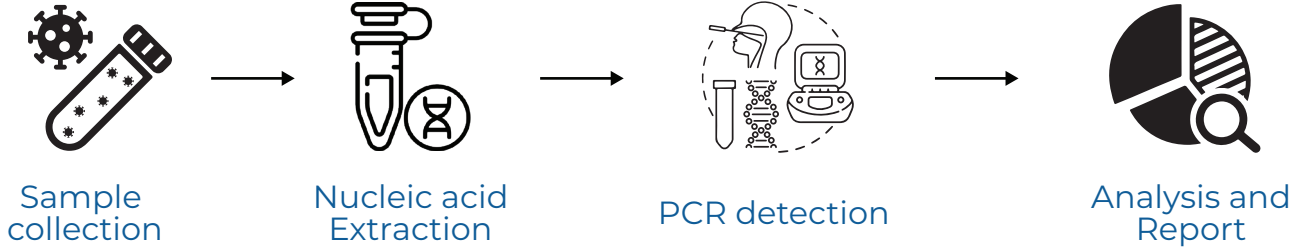
Kit Content

Tube	Content
1	MTB Enzyme Mix
2	MTB Primer Probe Mix
3	MTB Positive Control
4	MTB Internal Control
5	Nuclease Free Water



Mycobacterium tuberculosis (MTB) Real-Time PCR Kit

Assay Workflow



Ordering Information

Product Name	MTB Multiplex RT-PCR kit	MTB Multiplex RT-PCR kit	MTB Multiplex RT-PCR kit	MTB Multiplex RT-PCR kit
Cat. No.	DVZ-30096	DVZ-30097	DVZ-30098	DVZ-30099
Specification	25rxn/Kit	50rxn/Kit	100rxn/Kit	500rxn/Kit
Specimen	Sputum			
Target	Mpt64 and IS6110			
Storage	-25° C to -15° C			
Applicable Equipment	QuantStudio-5/3, Bio-Rad CFX96, 384, Applied Biosystems 7300/7500, Roche Diagnostics LightCycler 96/480, Qiagen Rotor-Gene Q			

*Please note: Product specifications are subject to change without prior notice owing to product modifications, improvements / up-gradation.



corporate@triviton.com | www.triviton.com

Customer Care Helpline: +91 98400 80008

