

Mycobacterium Tuberculosis Complex Group - (MTC)

The Mycobacterium tuberculosis complex (MTC or MTBC) is a genetically related group of Mycobacterium species that cause tuberculosis in humans and spread via respiratory tract, digestive tract and skin injuries, thus affecting various organs and tissues.

People with prolonged infection or close contact with infected people are at particularly high risk and those with active but untreated tuberculosis may infect more people annually. Thus, qRT-PCR kits designed at Genes2Me are intended for rapid and accurate detection of M. tuberculosis in patient specimens & preventing them from delayed diagnosis and severe health losses.

MDRTB-Q Real Time PCR Kit

- Detects Multidrug-resistant tuberculosis
- 16 mutations covered for isoniazid (INH) and rifampicin (RIF) resistant/sensitive tuberculosis
- Targets Covered: rpoB, katG, inhA genes

XDRTB-Q Real Time PCR Kit

- Detects Extensively drug resistant tuberculosis
- Identification of second line drugs resistant /sensitive tuberculosis
- Targets Covered: GyrA, rrs, eis, embB genes

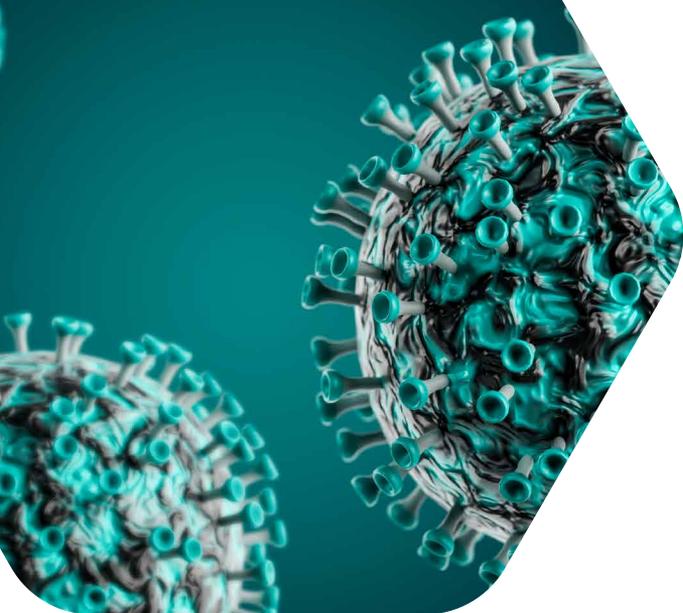
MTB-NTM Multiplex Real Time PCR Kit

- Detects Non-tuberculosis mycobacterium infections causing lung diseases/ non causative agents of TB.
- Targets Covered: multiple NTM genotypes including M. abscessus; M. avium; M. fortuitum; M. kansasii; M. intracellulare; M. massiliense; M. chimaera
- Accurate Detection and Differentiation of tuberculosis with NTM



From Sample to
Results in
<60 minutes





High Standard Kits using specific primers & fluorescent probes

- Detection and quantification of M. tuberculosis using Taqman chemistry
- Clinically validated on wide variety and number of samples.
- Extensively compatible with commonly available Real-Time PCR instruments.
- No cross reactivity with other pathogens

TBdect

MTC-Q Real Time PCR Kit

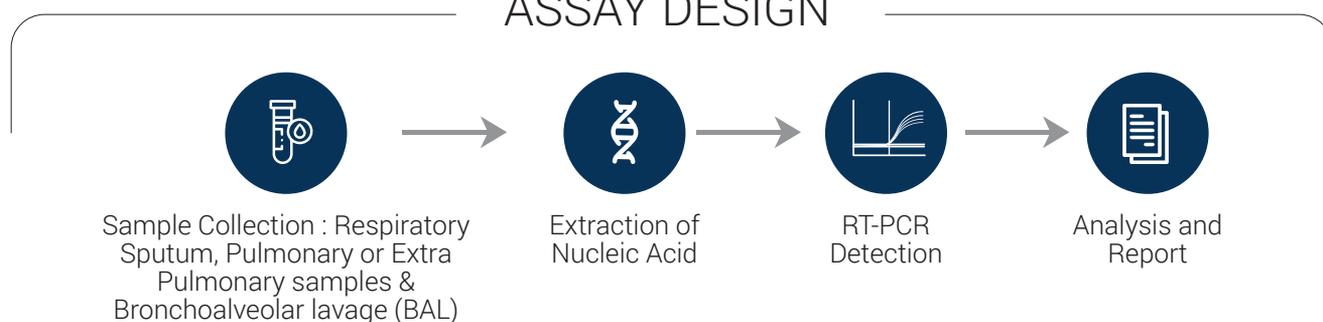
- Quantitative Detection of Mycobacterium tuberculosis infection
- Targets Covered: IS6110, MPt64 genes

TBfind

TB Comprehensive Real Time PCR Kit

- Allows Simultaneous detection of MTB & MDRTB.
- Targets Covered: IS6110, MPt64, rpoB, katG, inhA genes
- 16 mutations covered for isoniazid (INH) and rifampicin (RIF) resistant/sensitive tuberculosis

ASSAY DESIGN



| Commercial Name | Cat No. | Compatible Instruments |
|-------------------------------------|-----------|---|
| TBdect | G2M707321 | Instruments with FAM, ROX, Cy5, HEX/VIC Channels including ABI Prism®7500 & Quantstudio, BioRad CFX96, Roche Lightcycler, Qiagen Rotor-Gene, etc. |
| TBfind | G2M803121 | |
| MDRTB-Q Real Time PCR Kit | G2M707521 | |
| XDRTB-Q Real Time PCR Kit | G2M707621 | |
| MTB-NTM Multiplex Real Time PCR Kit | G2M707421 | |



Genes2Me Pvt. Ltd.

1105, 11th Floor, Tower B, SAS Tower, Medicity, Sector - 38,
Gurgaon - 122 001, Haryana, India
Tel : + 91 18001 214030 / + 91 88000 23600
E-mail : contact@genes2me.com www.genes2me.com

