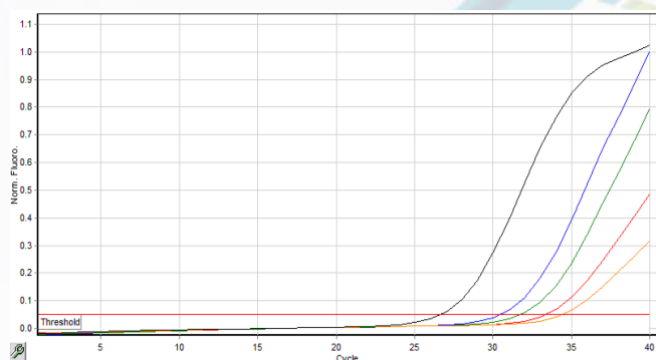




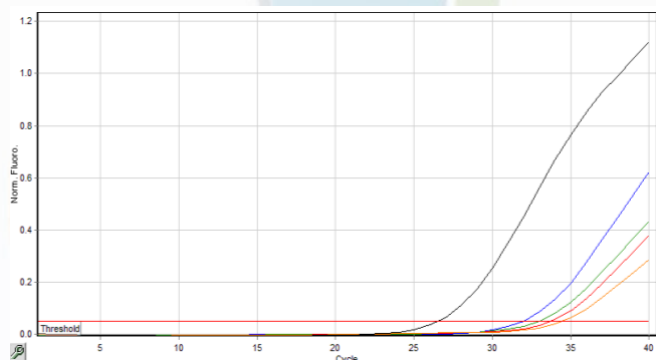
# LyteStar™ TB/NTM Kit

Multiplex detection of *Mycobacterium tuberculosis* complex (MTBC) and nontuberculous mycobacteria (NTM)

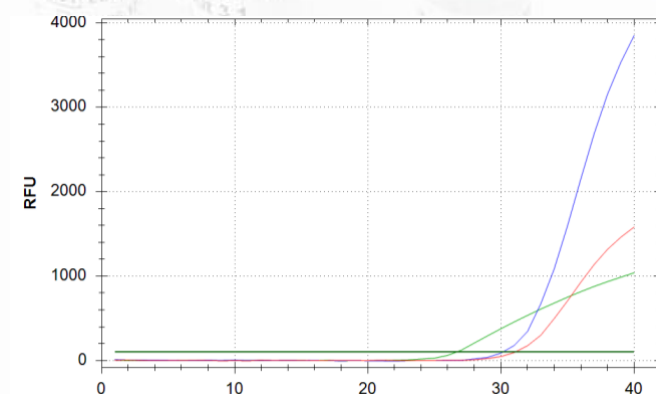
The LyteStar™ TB/NTM PCR Kit is a multiplex kit for specific detection and differentiation of *Mycobacterium tuberculosis* complex (MTBC) (*IS6110* and *MPB64* genes) and nontuberculous mycobacteria (NTM) (*rrs* and *rpoB* genes) from a broad range of specimens.



Detection on RGQ – MTBC: PC, 2.0, 0.63, 0.20, 0.063 copies/μl



Detection on RGQ – NTM: PC, 101, 32, 16, 10.13 copies/μl



Detection on CFX9 – MTBC, NTM, Internal Control



## Specifications and Features

- **Multiplex kit** for Detection and Differentiation:
  - MTBC specific; *IS6110* and *MPB64* genes
  - NTM specific; *rrs* and *rpoB* genes
  - Internal Control (IC); heterologous RNA
- **Highest Analytical Sensitivity**
  - 0.32 cp/μl for MTBC *IS6110* and *MPB64* genes
  - 9.52 cp/μl for NTM *rrs* and *rpoB* genes
- **100% Analytical Specificity**; no cross reactivity with other pathogens
- **Overall Diagnostic Sensitivity and Specificity**
  - 100% for MTBC detection
  - 100% for NTM detection
- **Broad range of validated sample materials:**  
The LyteStar™ TB/NTM PCR Kit has been validated with sputum, bronchial lavage, CSF, urine, tissue, body fluids and EDTA-blood
- Validated for use on real-time PCR systems: Rotor-Gene Q (Qiagen), CFX Opus 96 and CFX96 (BioRad), Mic (BioMolecular Systems), ABI Prism 7500 SDS and QuantStudio5 (Applied Biosystems)
- **MDA Reg. No. IVDC7431925-208063**



## Extraction Reagents Included

### LyteStar™ TB/NTM PCR Kit 3.1 – Extraction Reagents

The LyteStar™ TB/NTM PCR Kit 3.1 is provided with reagents for the pretreatment of specimens prior to extraction as well as reagents for the purification of mycobacterial DNA from sputum, bronchial washings, cerebrospinal fluid, urine and body fluids, and EDTA whole blood. The extracted DNA is ready to use for analysis by the LyteStar™ TB/NTM PCR Kit 3.1 detection reagents. As an alternative silica column-based extraction, the SpinStar™ Total DNA Kit 2.0 has been validated.



## Order Information

Product	Content	Σ	Cat. No.
LyteStar™ TB/NTM PCR Kit 3.1	Master A, Master B, Positive Control (PC), Internal Control (IC), PCR-grade Water	96	883103
SpinStar™ Total DNA Kit 2.0	SpinStar™ Columns, Collection Tubes, Tissue Lysis Buffer, Lysis Enhancer, Genomic DNA Binding Buffer, Wash Buffer 1, Wash Buffer 2, Proteinase K, Elution Buffer	100	821803

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