

MICROBIOLOGY

MTB/MDR-RT50

MTB / MDR Detection Kit

Technical Specifications

Intended Use

- Qualitative in vitro assay for the detection of *Mycobacterium tuberculosis* (MTB)'s rifampicin & isoniazid resistance mutations.

Suitable Sample Type

- sputum
- solid culture and liquid culture
- fresh tissue
- bronchial washing
- FFPE samples

Test Procedure

- Viral Isolation
- Multiplex RT-qPCR

Validated PCR Instruments

- Bio-Rad CFX96
- Life Technologies ABI-7500
- Roche, Light Cycler 480 II
- Qiagen Rotor-Gene® 3000 Q5/Q6
- BioMolecular Systems, MicPCR

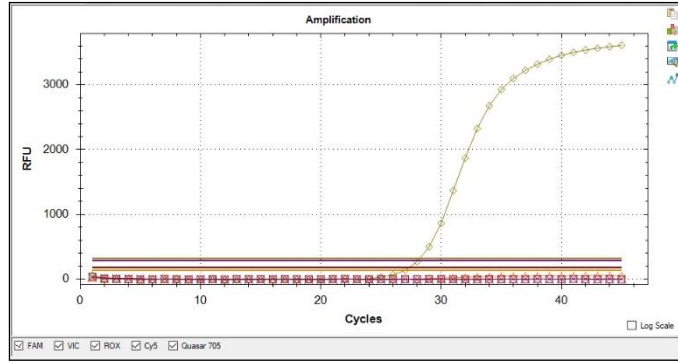
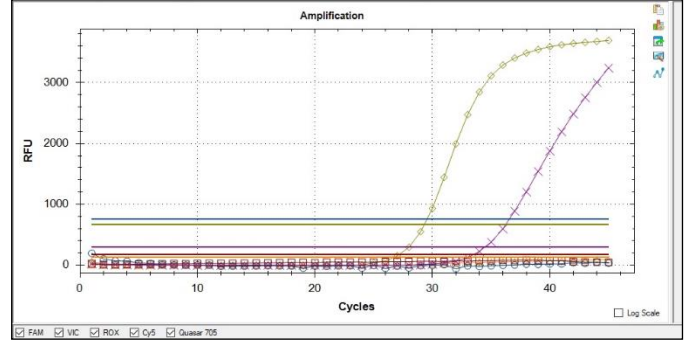
Catalog Number

- MTB/MDR-RT50

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Positive Result Analysis



Negative Result Analysis

- ✓ This kit uses Multiplex Real-time PCR based method.
- ✓ Qualitative detection and genotyping for *Mycobacterium tuberculosis* (MTB) rifampicin & isoniazid resistance mutations.
- ✓ Cross contamination amplification preventative system (UDG).
- ✓ Fast and highly sensitive results.
- ✓ Results within 45 minutes after viral isolation.
- ✓ Extraction Solution is included with the kit.

GeneMAP™ MTB/MDR Detection Kit is designed specifically for pathogen detection with routine Multiplex RT-qPCR. It is easy to use, cost efficient and compatible with many Real-time PCR instruments.

Contents	Volume
4X MTB/MDR PPM 1	250 µL
4X MTB/MDR PPM 2	250 µL
2X Real Time PCR Master Mix (UDG) (x2)	500 µL
MTB/MDR WTC	100 µL
RNase-free Water	400 µL
DNA Extraction Solution	5 mL

In **GENMARK SAGLIK URUNLERI**, we aim to create the top quality, time and cost efficient, trust-worthy and user-friendly products. We specialize in in-vitro detection kit production and development which is used for the **diagnosis** and **treatment monitoring** of many diseases connected to genetics, oncology, microbiology and hematological oncology.