



MTB/RIF Kit

Make molecular diagnostic safer, faster and easier

Background

An estimated 10.6 million people fell ill with tuberculosis (TB) in 2021, an increase of 4.5% from 2020, and 1.6 million people died from TB, according to the World Health Organization's 2022 Global TB report, with enormous impacts on families and communities. Drug-resistance continues to be a major problem with close to half a million people developing drug-resistant TB every year, only one in three accessed treatment.

Therefore, rapid and accurate detection of TB in specimens and rapid diagnosis of drug-resistant TB are essential to effectively control the TB epidemic.

Parameters

Applicable instruments	Automated Fully Enclosed qPCR Instrument: Galaxy Nano, Galaxy Pro and Galaxy Lite
Sample Type	Sputum
Turnaround Time	Within 2 hours for extraction, amplification, and result analysis
Test Method	Magnetic beads extraction, purification, and qPCR method
Target	TB: IS6110, RIF: rpoB 81bp
Storage Condition	2~8°C

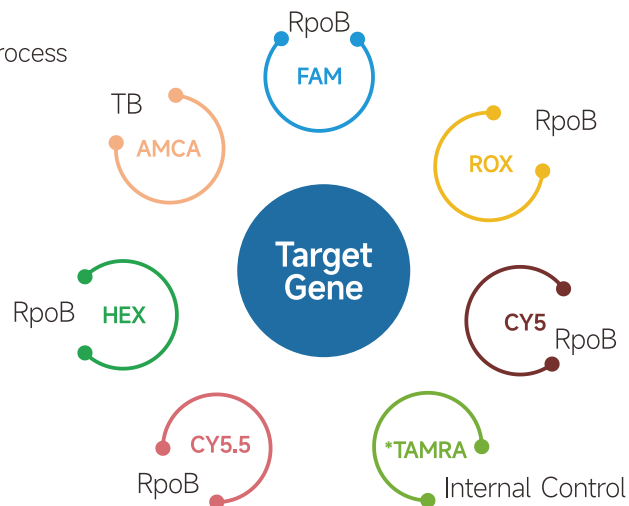
Advantages

- ◆ **High-efficiency testing:** Multi-targeted for TB/RR-TB in one tube to improve testing efficiency.
- ◆ **Easy to use:** Fully automatic, sample in, result out
- ◆ **Safe to use:** Fully enclosed iCassette prevents internal or external contamination and guarantees biosafety.
- ◆ **Accurate results:** Ultrasonic lysis

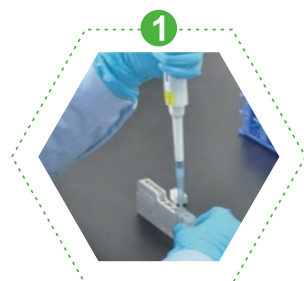
Magnetic bead extraction

qPCR analysis

Internal control monitoring the entire process

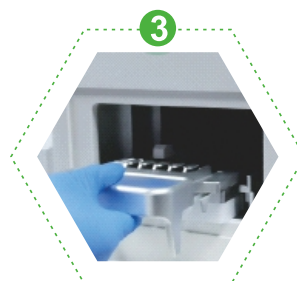


Workflow



1
Add sample to
the iCassette

Sample pretreatment
by Ultrasoner



3
Insert iCassette
to instrument

Report result
automatically



Ordering

Product	Cat.No.	Specification
Diagnostic Kit for Mycobacterium Tuberculosis (MTB) complex DNA and Rifampicin resistance Mycobacterium tuberculosis	106-0056-01	12 tests/kit



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