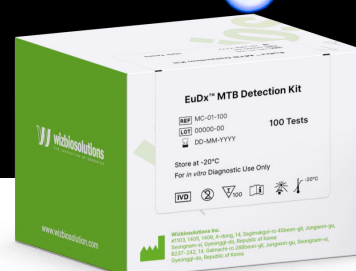


**IVD****REF MC-01-100**

# EuDx™ MTB Detection Kit

- High Sensitivity & Specificity
- One tube Multiplex Real-Time PCR
- Ready-to-use PCR Premix
- Prevent carryover contamination



Pioneer of Point-of-Care Molecular Diagnostics

## Key Features of MTB Detection Kit



### Anti-Carryover Technology

Prevents cross-contamination



### Hot-Start PCR Technology

Minimizes non-specific PCR reactions and increases specificity



### Enhanced-stability technology

Sustains long-term storage at room temperature



### Automated dispensing system

Maximizes reproducibility and minimizes experimental errors



### Ready-to-use, PCR premix

Allows a convenient and minimal experimental process

## High Sensitive

Limit of detection (LoD) is 2 bacilli (2 copies of MTB genome)

## Easy & Accurate

Premixed PCR kit is highly convenient to use and significantly reduces potential experimental errors or contamination during the preparation process, thereby providing more accurate results.

## Perfect Reproducibility

EuDx™ MTB Detection Kit is manufactured with precision using fully automated dispensing technology in ISO 13485 and GMP-certified facilities, guaranteeing consistent performance and dependable results with every test.

## High Specificity

Accurate detection is achieved through the design of specialized probes targeting two distinct *Mycobacterium tuberculosis* (MTB) genes.

## PCR Enhance & Stability

The EuDx™ MTB Detection Kit incorporates advanced stabilization and PCR enhancement technologies, delivering superior performance and greater user convenience.

## Prevent Carryover-contamination

EuDx™ MTB Detection kit contains Uracil-DNA glycosylase (UDG) and dUTPs eliminating possible carryover contamination.

Easy & Fast Molecular Diagnosis



Specifications

Principle of Procedure	Real-time PCR
Target	IS6110 and mbp64 gene of <i>Mycobacterium tuberculosis</i> (MTB)
Tests for Package	100 Tests/kit
Reagent Type	Premix type
Limit of Detection (LoD)	2 copies of MTB genome
Precision	Respectively detect the reference specimen of high and low concentrations in different time ranges-10 times, and the precision values of intra-assay and inter-assay Ct values were all <5%.
Specificity	Sensitivity: 100% (20/20) Specificity: 100% (30/30)
Sample Types	Human sputum, urine, tissue, blood, and cultured samples
Storage	Storage at -20 °C for 18 months
Compatible Instruments	CLEO™ Q16 (Wizbiosolutions), CFX96(Bio-Rad), ABI7500

Ordering Information

Product	Cat No.	Package Size
EuDx™ MTB Detection Kit	MC-01-100	100 T
CLEO™ Q16 Real-time PCR system	CL0016	1 system
CLEO™ AP16 Nucleic Acid Extractor	CL2016	1 system
WizMag™ Sputum DNA Kit	W7130	64 prep

MFDS Approval No. IVD-14-1225

