

Mycobacterium Tuberculosis Complex Nucleic Acid Detection Kit (Fluorescence PCR method)

The kit is intended for the qualitative detection of Mycobacterium Tuberculosis (MTB) complex nucleic acid in human sputum samples. Mycobacterium Tuberculosis complex can invade susceptible organisms through the respiratory tract, digestive tract, or skin injury, causing tuberculosis of various tissues and organs, among which pulmonary tuberculosis caused by respiratory tract is the most common. The kit developed by Tianlong is suitable for the auxiliary diagnosis of Mycobacterium tuberculosis.



High Precision

The coefficient of variation (CV%) of Ct value should be less than 5%



Internal Control

The use of internal control system in the kit can effectively prevent false negative results



Quality Performance

Collocating with Tianlong nucleic acid extraction kit for TB-DNA extraction can make your experiment more accurate



More Accessible

CE marked, accessible for more countries



Widely Applicable

Applicable in instruments with FAM and HEX/VIC fluorescence channels, sample (FAM), internal control (HEX/VIC)

Ordering Information

Product Name	Mycobacterium Tuberculosis Complex Nucleic Acid Detection Kit
Cat.No	P121H
Specification	32T/Kit
Specimen	Human sputum samples
Sensitivity	1 bacteria/mL
Storage & Validity	-25°C~-15°C for 12 months
Applicable Equipment	Instruments with FAM and HEX/VIC fluorescence channels, such as ABI7500, and Tianlong real-time PCR systems

Data Interpretation

Figure 1: Gradient concentration TB amplification curve

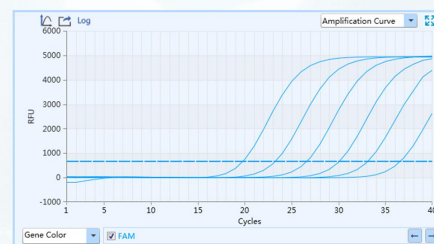
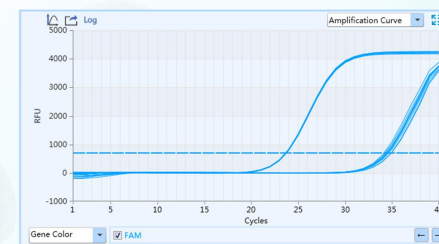


Figure 2: High concentration and low concentration TB repetitive amplification curve



*MT positive standard: If the Ct value of FAM channel ≤ 38.0 , the sample is considered to be MT positive.

Assay workflow




- 1 Sample Collection: Forcibly cough out the deep respiratory tract sputum and directly spit into the sputum container
- 2 Nucleic Acid Extraction: Tianlong Nucleic Acid Extraction Kit For TB-DNA Extraction, Tianlong GeneRotex 96
- 3 PCR Detection: Tianlong Mycobacterium Tuberculosis Complex Nucleic Acid Detection Kit, Tianlong Real-time PCR Systems
- 4 Analysis and Report: TB amplification curve of Tianlong's kits show great performance.

version 2.0

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