



Mycobacterium tuberculosis complex (MTBC) includes *M. tuberculosis*, *M. bovis*, *M. africanum* and *M. microti*.

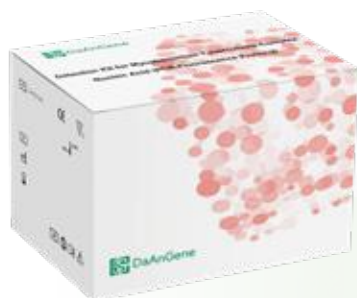
Mycobacterium tuberculosis can invade the susceptible body through the respiratory tract, digestive tract or damaged skin, causing the infection of a variety of tissues and organs.

DA124X

CE

Detection Kit for Mycobacterium Tuberculosis Complex Nucleic Acid (PCR-Fluorescence Probing)

Qualitative detection of the nucleic acid of mycobacterium tuberculosis complex in human sputum and bronchoalveolar lavage



ADVANTAGES

- **Simple operation**

Ease of use and results in only 1.5 hours after sample preparation

- **High sensitivity**

Targeting the specific sequence of MTBC --IS6110 and with the limit of detection of 1 bacterium/mL

- **Contamination elimination**

Contain Uracil-DNA glycosylase (UDG) to prevent carryover contamination

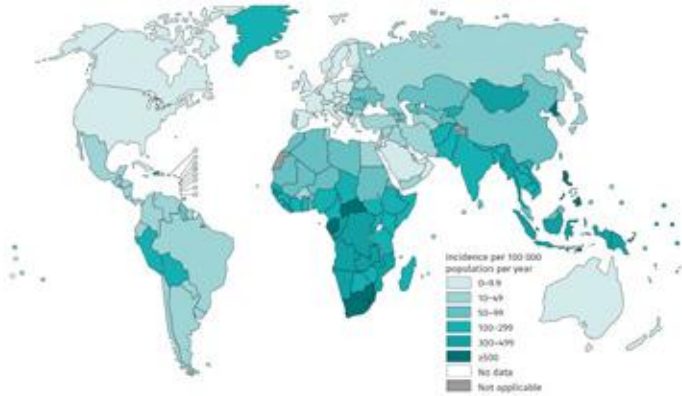


CLINICAL APPLICATION

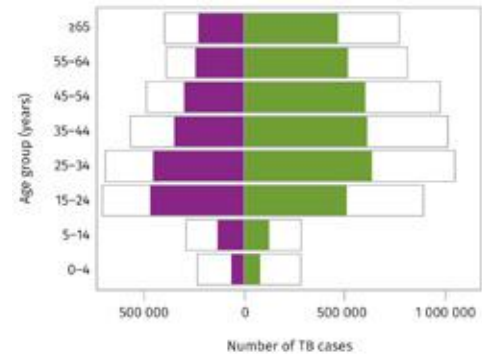
M. tuberculosis is a pathogenic bacterium that causes tuberculosis, and is the main type of tuberculosis. Tuberculosis is one of the world's most common infectious diseases.

According to WHO *Global Tuberculosis Report*, a total of **1.5 million** people died from Tuberculosis (TB) in 2020 (including 214,000 people with HIV). Worldwide, TB is the 13th leading cause of death and the second leading infectious killer after COVID-19 (above HIV/AIDS). An estimated **10 million** people fell ill with TB worldwide, 5.6 million men, 3.3 million women and 1.1 million children.

(1) Estimated TB incidence rates, 2020



(2) Global estimates of TB incidence (black outline) and case notifications of people newly diagnosed with TB disaggregated by age and sex (female in purple; male in green), 2020



Source from WHO *Global Tuberculosis Report 2021*
Reference: <https://www.who.int/publications/item/9789240037021>

SPECIFICATIONS

Test Principle	Real-time fluorescent PCR
Specimen type	Sputum or bronchoalveolar lavage fluid
Fluorescence channel	FAM (IS6110), VIC (internal control)
Detection type	<i>M. tuberculosis</i> (main causative agent), <i>M. bovis</i> , <i>M. africanum</i> , <i>M. microti</i>
Process time	About 95 minutes
CV	≤5%
LOD	1 bacterium/mL
Storage and shelf life	-20±5°C, 9 months
Applicable Instruments	AGS4800, ABI 7500, LightCycler480
Certificate	CE

ORDER INFORMATION

Description	Cat. No.	Package
Detection Kit for Mycobacterium Tuberculosis Complex Nucleic Acid (PCR-Fluorescence Probing)	DA1240	Large package, 20 tests/kit
	DA1241	Large package, 48 tests/kit
	DA1242	Single tube, 20 tests/kit

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