

STANDARD M10**Versatile Point-of-Care MDx Platform**

This product is used with SD BIOSENSOR's M10 Console & Module.



STANDARD **M10**

MDR-TB

*Simultaneous detection of *M. tuberculosis* complex and drug-resistance mutation to rifampicin (RIF) and isoniazid (INH).*

Molecular Multi-Drug Resistant Tuberculosis Point-of-Care Test

- Presence of **MTB complex**
- **Drug susceptibility test for RIF & INH at the same time**

All-in-one Cartridge Sample-in Result-out

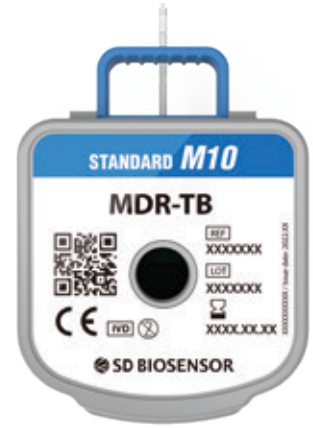
- Real-Time PCR
- **NA extraction + amplification**
- Multiplex assay up to **12-plex**
- Including internal control
- Lyophilized reagents for stability
- Room temperature storage

Versatile Point-of-Care MDx Platform

- Small footprint
- Random access
- Scalable configuration
- Simple sputum pretreatment process
- **80 minutes** of testing time

SPECIFICATONS

Cat no.	11MTB10A
Method	All-in-one Cartridge Bacterial DNA Extraction Nucleic Acid Amplification : Real-Time PCR
Target gene	<ul style="list-style-type: none"> • MTB Complex (<i>IS1081, IS6110</i>) • RIF (<i>rpoB</i>) • INH (<i>katG, inhA</i>) • Internal Control (IC)
Sample type	Pretreated normal sputum/sputum sediment sample, 1mL
Limit of Detection	<i>M. tuberculosis</i> – 100 CFU/ml
Testing time	In 80 minutes
Storage temp.	2~28°C
Test / Kit	10 Tests



STANDARD™ M10 MDR-TB

Why simultaneous detection of RIF and INH is important?

RIF & INH are the most potent anti-tuberculosis drugs, so improper use of the drugs can lead to:

- ➖ Transmission of DR-TB
- ➖ limiting future treatment option
- ➖ Extensively DR-TB may develop

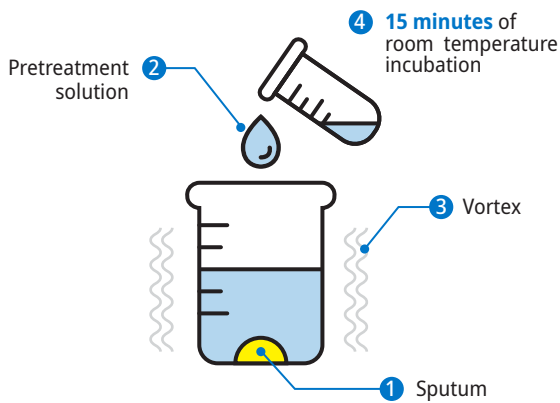


Therefore, drug susceptibility test for both RIF & INH is very important. M10 MDR-TB can detect:

- ➕ Presence of MTB
- ➕ Drug resistant to RIF
- ➕ Drug resistant to INH

TEST PROCEDURE

0 Specimen preparation



1 Sample ID Scan



2 Cartridge Scan



3 Sample Transfer



4 Cartridge Loading



ORDERING INFORMATION

Instrument

Cat. No.	Product	Contents
11M1011	STANDARD M10 Console	1 M10 Console (Operational module)
11M1012	STANDARD M10 Module	1 M10 Module (Analytical module)

Cartridge

Cat. No.	Product	Contents
11MTB10A	STANDARD M10 MDR-TB	MTB (<i>IS1081, IS6110</i>), RIF (<i>rpoB</i>), INH (<i>katG, inhA</i>)
11MTB20A	STANDARD M10 MTB/NTM	MTBC (<i>IS6110</i>), NTM (ITS)