

# TUBERCULOSIS



A GLOBAL HEALTH CHALLENGE



Screening and early detection can make all the difference

## Truenat® : A Game Changer in the Fight Against TB

Rapid Molecular Diagnostic Platform for Use at Peripheral Health Facilities and Community Settings



POINT OF CARE



RAPID



BATTERY-OPERATED



PORTABLE

World Health Organization



Truenat® MTB | MTB Plus | MTB-RIF Dx

"As initial test to diagnose TB (i.e. replacing sputum smear microscopy) and to sequentially detect rifampicin resistance"  
- WHO consolidated guidelines on tuberculosis, 2021



IDENTIFY  
DETERMINE  
PREVENT



Truelab® Duo



TOGETHER, WE CAN

END TB

# MTB detection with Truenat<sup>®</sup>

Truenat<sup>®</sup> MTB | MTB Plus: Chip-based Real Time PCR Test

Truenat<sup>®</sup> MTB-RIF Dx | MTB-INH: Drug resistance follow-on test

## REST

**A**ffordable

**S**ensitive

**S**pecific

**U**ser friendly

**R**apid & Robust

**E**quipment free

**D**eliverable to end users

### Truenat<sup>®</sup> MTB

- **Intended Use** : Quantitative detection and diagnosis of *Mycobacterium tuberculosis* (MTB)
- **Sample Types** : Human pulmonary and EPTB specimen
- **Target Gene** : nrdB gene which codes for ribonucleoside-diphosphate reductase large subunit
- **LoD** : 100 CFU/mL

### Truenat<sup>®</sup> MTB Plus

- **Intended Use** : Semi-quantitative detection and diagnosis of *Mycobacterium tuberculosis* (MTB)
- **Sample Types** : Human pulmonary (sputum/non-sputum) and EPTB specimen
- **Target Gene** : nrdz gene (that codes for ribonucleoside diphosphate reductase adenosyl cobalamin-dependent protein) and IS6110 gene sequence.
- **LoD** : 29.0 cells/mL

### Truenat<sup>®</sup> MTB-RIF Dx

- **Intended Use** : A follow on test for the detection of Rifampicin resistance in *Mycobacterium tuberculosis* (MTB) in Truenat<sup>®</sup> MTB/MTB Plus positive human specimen
- **Target Gene** : RRDR region of the rpoB gene
- **LoD** : 200 cells/mL

### Truenat<sup>®</sup> MTB-INH

- **Intended Use** : A follow on test for the detection of Isoniazid resistance in *Mycobacterium tuberculosis* (MTB) in Truenat<sup>®</sup> MTB/MTB Plus positive human specimen
- **Target Gene** : inhA and katG genes of *Mycobacterium tuberculosis* genome.
- **LoD** : 494 cells/mL

Enables timely and accurate diagnosis ensuring prompt initiation of effective treatment on the **Same Day** 

## Upcoming PARAMETERS

### MTB-FQ

For fluoroquinolone (FQ) resistant MTB

### MTB-BDQ

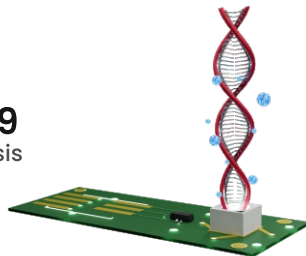
For Bedaquiline (BDQ) resistant MTB

### MTB Ultima

For MTB (Ultra-high Sensitivity)

### MTB Ultima/COVID-19

Duplex test for differential diagnosis



## Collaboration TO WIDEN ACCESS



**Molbio Diagnostics Private Limited**

Plot No. L-46, Phase II D, Verna Industrial Estate, Verna, Goa - 403 722, INDIA | Ph.: 91-832-2783267

Email: [sales@molbiodiagnostics.com](mailto:sales@molbiodiagnostics.com) | [customersupport@molbiodiagnostics.com](mailto:customersupport@molbiodiagnostics.com)



SCAN TO KNOW MORE

MTB20/023V-06

# REVOLUTIONIZING TB DIAGNOSIS: TRUENAT LEADING THE WAY