

Molecular Diagnostics

# Mycobacteria

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Next generation multiplexing

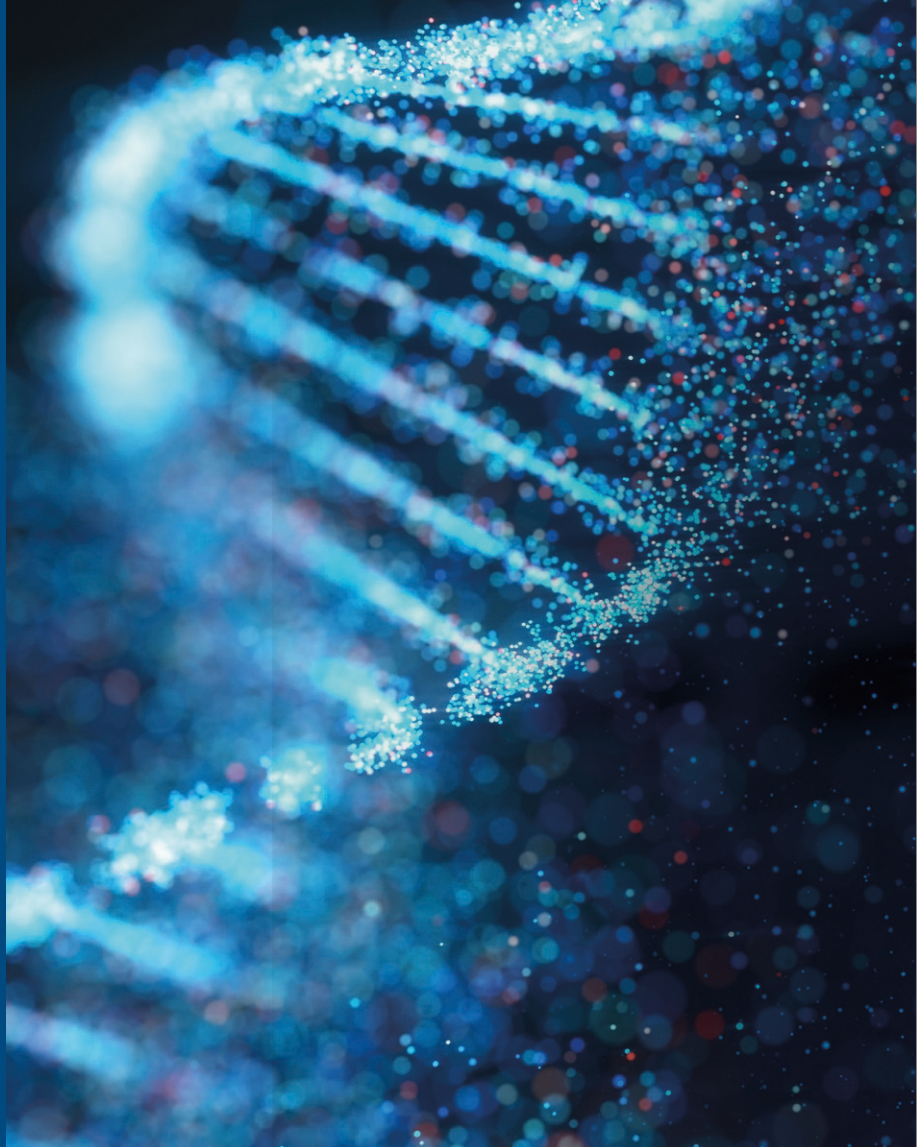
Innovation with Integrity

Powered by  
**LiquidArray<sup>®</sup>**

IVD



# Comprehensive portfolio for all your mycobacteria questions



- Highly sensitive *Mycobacterium tuberculosis* complex detection
- Simultaneous resistance detection
- Mutations reported at sequence level
- Differentiation of nontuberculous mycobacteria

# Tuberculosis and drug resistance

## Detect *Mycobacterium tuberculosis* complex and resistances to Rifampicin and Isoniazid

### FluoroType® MTBDR VER 2.0

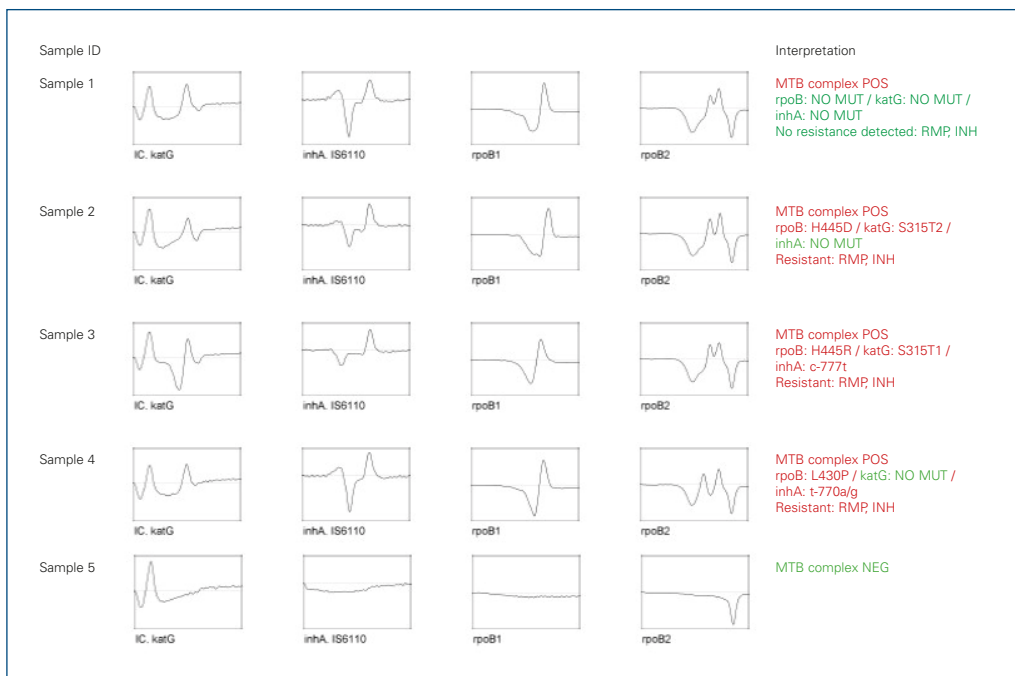
Test for tuberculosis and multidrug-resistant tuberculosis (MDR-TB)

- *Mycobacterium tuberculosis* complex
- Rifampicin resistance
- Isoniazid resistance



### Results at a glance

- Standardized results with automatically generated report
- Colour coded for ease of user interpretation



## Detect *Mycobacterium tuberculosis* complex and resistances to 5 WHO-recommended drugs

### LiquidArray® MTB-XDR VER 1.0

Test for tuberculosis and extensively drug-resistant tuberculosis (XDR-TB)

- *Mycobacterium tuberculosis* complex
- Moxifloxacin resistance
- Levofloxacin resistance
- Linezolid resistance
- Ethambutol resistance
- Amikacin resistance



### Same sample | Same extract | Same day

- Run all mycobacteria assays from the same extract\*
- Run all mycobacteria assays on the same PCR plate\*\*

\*with validated sample types and extraction options

\*\*when same sample type is used

# Nontuberculous mycobacteria

Differentiate up to 32 species and subspecies of nontuberculous mycobacteria

## FluoroType® Mycobacteria VER 1.0

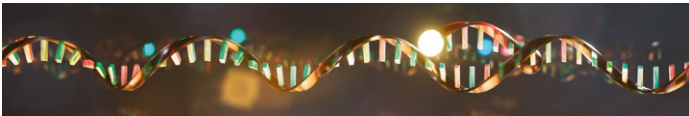
Test for tuberculosis and nontuberculous mycobacteria (NTM)

- *Mycobacterium tuberculosis* complex
- *Mycobacterium* genus
- *M. avium* group members
- *M. abscessus* subspecies
- *M. kansasii*
- *M. xenopii*
- *M. fortuitum*
- ... and many more

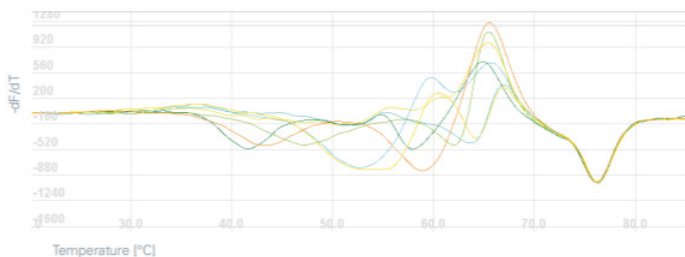


## LiquidArray® technology powering TB and NTM tests

Robust detection with Lights-ON / Lights-OFF probes



Each strain produces a unique melting curve signature



Database matching leads to results at a glance -  
e.g. FluoroType® MTBDR VER 2.0

MTB complex POS  
rpoB: M434I+D435Y / katG: S315T1 / inhA: NO MUT  
Resistant: RMP, INH

### Same-day sequencing-like results

- Determine up to 73 mutations in search for TB resistance to 7 WHO-approved drugs \*

### Next generation multiplexing

- Differentiate up to 32 species and subspecies with one test \*\*

### Comprehensive portfolio

- Test for TB and drug resistance, as well as NTM

### Facilitate personalized treatment

- Extensive wealth of information with LiquidArray®

### Preferred solution in mycobacteria expert labs

\*with FluoroType® MTBDR VER 2.0 and LiquidArray® MTB-XDR VER 1.0

\*\*with FluoroType® Mycobacteria VER 1.0

# Revolutionize your mycobacteria workflow

Three tests | One workflow | Results within one day

## Advanced results with a familiar PCR workflow

### Flexible

Choice of extraction methods depending on throughput and automation preferences.

### Save time

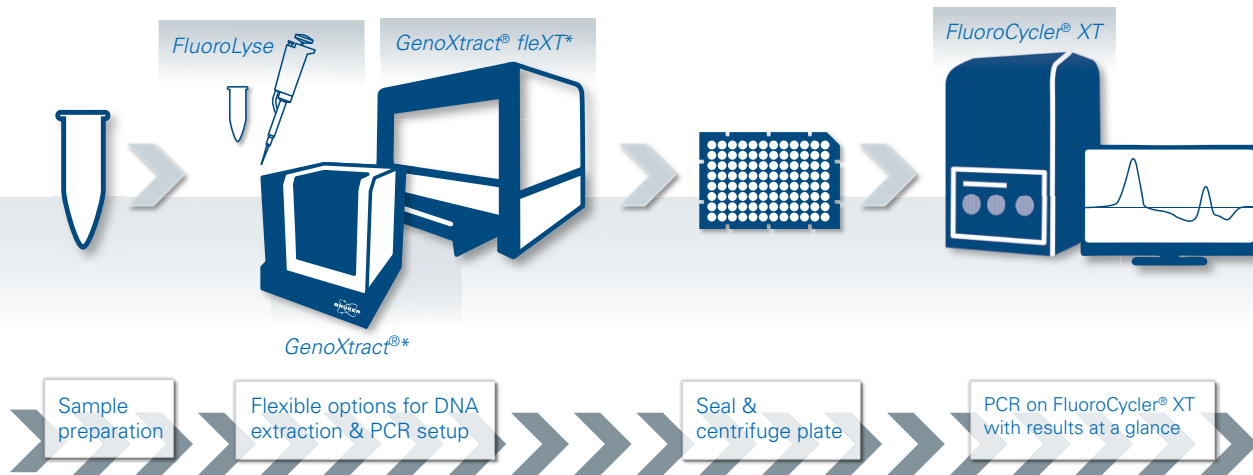
Use one DNA extract for several validated assays in parallel or in reflex testing.

### Compatibility

Run all LiquidArray® mycobacteria assays on the same PCR plate (when using same sample type).

### Same day

Report sequencing-like results within 5 hours of receiving samples.



\*with validated assays only

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