



TUBERCULOSIS TESTING SOLUTIONS

Sample Collection

We are excited about the wave of interest in alternative sampling methods for TB screening. With tongue swab protocols being investigated and validated all over the world, we believe that this method of sample collection and easy transport could assist in reducing barriers to screening and promote equitable access for diagnosis and treatment.

This easy and comfortable to use swab ensures adequate sample volume. The Copan FLOQSwab® technology is designed to allow for optimal and quick sample uptake and elution. The soft brush-like texture of the swab facilitates efficient dislodging of the target cells.



Contact your Lasec® Sales Representative to discuss sampling options.



Lasec®
also offers
customised kits

Customised kits include everything needed for a healthcare professional to take a sample safely from a patient.

Contact your Lasec® Sales Representative today.
Ts & Cs apply

+27 21 531 7504 sales@lasec.com www.lasec.com

 **Lasec**®

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Manual Extraction Kits

Versatile, ready-to-use solutions for high-quality nucleic acid isolation across diverse sample types. Designed for both routine and challenging samples, these manual kits deliver reliable results for downstream molecular applications in spin column or 96-well format.



- Suitable for blood, saliva, plant, stool and more
- Delivers pure DNA / RNA for PCR, microarrays, NGS, pathogen detection
- Available in spin column or 96-well plate formats
- Easy-to-use protocols for consistent, high-quality yields

Amplification

We offer a complete molecular solution for management of tuberculosis with rapid and accurate detection of Mycobacterium Tuberculosis and the resistance genes against first-and second-line TB drugs simultaneously.



 [CFX Opus Real-Time PCR Systems Catalogue](#)

Diagnostic Molecular Solutions

Designed for rapid and reliable detection of Mycobacterium species the Bio-Speedy liquid-format qPCR portfolio offers flexible solutions for both routine diagnosis and drug resistance screening.

- Suitable for sputum and bronchoalveolar lavage samples
- Compatible across a wide range of real-time PCR instruments

PRODUCT	BACTERIA	PACK SIZE
Bio-Speedy MTB / NTM qPCR Kit	Mycobacterium tuberculosis complex Mycobacterium avium complex Mycobacterium spp.	25 / 100
Bio-Speedy MTB qPCR Kit	Mycobacterium tuberculosis complex	25 / 100
Bio-Speedy MTB / MDR qPCR Panel	Drug Resistance: Rifampicin Isoniazid	25 / 100

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Molecular Verification

The NATtrol™ MTB Verification Panel is designed to assess the performance of nucleic acid-based assays for the detection of *Mycobacterium tuberculosis* (MTB). It can also be used for clinical assay validation, diagnostic test development, and laboratory personnel training.



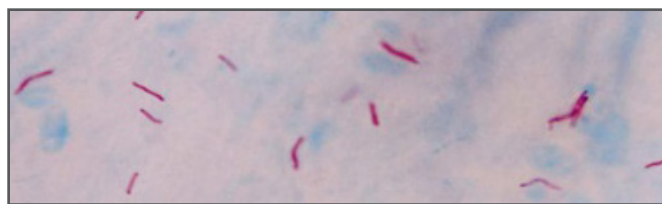
PANEL MEMBER	STRAIN	EXPECTED RESULTS
<i>M. tuberculosis</i>	H37Ra-1	MTB Detected Rif Resistance Not Detected
<i>M. tuberculosis</i>	Rifampicin resistant	MTB Detected Rif Resistance Not Detected
<i>M. avium</i>	Serotype 2	MTB Not Detected
<i>M. bovis</i>	Z321	MTB Detected Rif Resistance Not Detected
<i>M. intracellulare</i>	Z310	MTB Not Detected
Negative	N/A	MTB Not Detected

Microscopy

Supplied by **Lasec®**, **Histo-Line Laboratories** and **RAL Diagnostics** offer various solutions for the detection of TB.

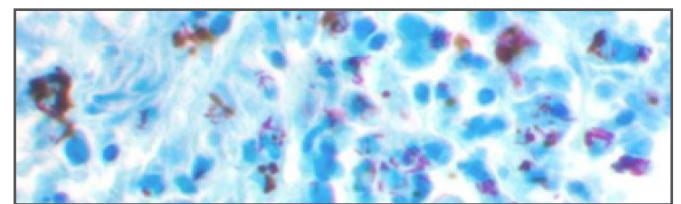
Quick TB Kit

This kit allows the detection of mycobacteria (Acid-Fast Bacilli) using a cold staining technique with Carbofuchsin RAL and Armand Solution.



TB ZN Cold Kit

A variation of the classic Ziehl-Neelsen method, this kit allows for fast and effective detection of mycobacteria (Acid-Fast Bacilli) using a cold staining technique.



TB ZN Hot Kit

The Histo-ZN Staining Kit is designed for detecting mycobacteria (Acid-Fast Bacilli) in clinical specimens. It follows the standard Ziehl-Neelsen method and includes all necessary reagents for optimal staining.

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