

MGIT SPUTUM CULTURE

Profile Details | 1 Parameters

Fasting: Overnight fasting for 9-12 hours | Report Time: Within 3 Days



Specimen Required: Sputum

Price- ₹3800 ₹2299

Parameters Included

About This Test

An MGIT sputum culture measures the growth of *Mycobacterium tuberculosis* (MTB) and other mycobacteria in a sputum sample using the Mycobacteria Growth Indicator Tube (MGIT) system. Here's what this test assesses: 1. Detection of *Mycobacterium Tuberculosis*: Identifies the presence of MTB in the sputum, confirming active tuberculosis (TB) infection. 2. Detection of Non-Tuberculous Mycobacteria (NTM): Can also detect other mycobacteria species that may cause lung infections, particularly in immunocompromised individuals. 3. Drug Susceptibility Testing: After the bacteria grow in the culture, the sample can be tested for susceptibility to various anti-TB drugs. This helps determine the most effective treatment regimen and identifies drug-resistant strains. 4. Monitoring Treatment Efficacy: Repeated cultures can be used to monitor the effectiveness of TB treatment by confirming the clearance of the bacteria from the sputum over time. 5. Quantification of Bacterial Load: Provides an estimate of the bacterial load in the sputum, which can give insights into the severity of the infection. In summary, the MGIT sputum culture test measures the presence and growth of *Mycobacterium tuberculosis* and other mycobacteria in a sputum sample, helps diagnose TB, tests for drug susceptibility, monitors treatment efficacy, and assesses the bacterial load.



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*Fasting 10-12 hrs essential | *Limited Period Offer | *Reports within Within 3 Days

For appointments and queries: **82733 39996** | www.thexpertlab.com