

Test Menu

TOPIC	DESCRIPTION
Test Name	TB Drug Susceptibilities; by MIC (Minimum Inhibitory Concentration) utilizing Sensititre MYCOTB method (ThermoFisher Scientific)
Other Name (s)	Referred Isolate for Drug Susceptibility Testing
Analyte(s)	12 drugs tested on the panel
Test Code	3300
Lab location	Jacksonville location
Department	Mycobacteriology (TB)
Pre-Approval Required	Yes – for out-of-state submissions
Required Forms	BPHL Requisition Form, DH1847
Specimen Sources	Pure culture identified as <i>Mycobacterium tuberculosis</i> complex (MTBC), growth on solid media preferred, but liquid cultures are acceptable. Do not send cultures on Petri dishes.
Supplemental Information- Special Specimen Preparation	Prefer that cultures are shipped in metal cans as primary containers to avoid breakage. Specify on the requisition that the isolate had been identified as MTBC, otherwise AFB Culture for Identification may be performed. Do not send isolates on Petri dishes.
Minimum Volume	Not applicable.
Storage Conditions	Not applicable
Collection Media	Not applicable
Specimen Labeling	Two unique patient identifiers, preferably patient name and date of birth.
Packaging and Shipping Instructions and Handling	Ship within the 2-28°C temperature range. Separation of specimens if submitting more than one isolate, to prevent cross-contamination. Follow shipping regulations.
Test Methodology	Minimum inhibitory concentration
Turnaround Time	3 - 10 weeks (3 weeks once sufficient growth on solid media). Request submission of isolates on solid media whenever possible.
Result Indicator	Susceptible/ Resistant for each drug tested. Intermediate for some drugs.
Unsatisfactory Specimen	Non-pure isolate. Cultures sent on Petri dishes or damaged in transit. No patient identification on specimen.
Interferences and Limitations	Non-pure isolate. Rare isolates of MTBC will not grow in the MIC liquid media.
Additional Information & Notes	First-collected MTBC isolates of new patients will also be sent to Michigan Public Health Laboratory for genotyping.
Reference Range	Unique values for each drug, available on request.
Reference Lab	CDC can perform additional molecular and conventional Drug Susceptibility testing.
Reflex testing	Not applicable

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