

Test Menu

| TOPIC | DESCRIPTION |
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| 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 |