

TEST CHANGE

Antimicrobial Susceptibility, AFB/*Mycobacterium tuberculosis* Primary Panel

0060347, MA MTBPRIM

Specimen Requirements:

Patient Preparation:

Collect: Actively growing isolate of *Mycobacterium tuberculosis* in pure culture.

Specimen Preparation: Transport sealed container with pure culture on solid or liquid media. Place each specimen in an individually sealed bag.

Transport Temperature: Room temperature.
Submit specimen according to Infectious Substance, Category A, shipping guidelines.

Unacceptable Conditions: Mixed cultures or ~~nonviable~~~~non-viable~~ organisms. Organisms submitted on agar plate.

Remarks:

Stability: Ambient: 2 weeks; Refrigerated: 2 weeks; Frozen: Unacceptable

Methodology: Broth Microdilution / Broth Macrodilution

Note:

CPT Codes: Variable~~87188 x4. CPT codes vary based on method.~~

New York DOH Approval Status: This test is New York DOH approved.

Interpretive Data:

Drugs tested by broth microdilution: Ethambutol, isoniazid, and rifampin.

Drugs tested by broth macrodilution: Isoniazid 0.4 ug/mL if broth microdilution MIC is >0.25ug/mL and <=0.5 ug/mL. The interpretation provided is based on results for the following drugs at the stated concentrations:

Drugs tested: Ethambutol: 5.0 ug/mL, isoniazid: 0.1 ug/mL (0.4 ug/mL if resistant to 0.1 ug/mL), and rifampin: 1.0 ug/mL.

This procedure screens isolates of *M. tuberculosis* complex for drug resistance. The procedure does not use serial dilutions to provide quantitative MIC values. Single critical concentrations for each antimycobacterial agent used have been defined by the United States Public Health Service.

Reference Interval:

Refer to report