Mycobacterium tuberculosis Susceptibility Testing

Use of Test: Antibiotic susceptibility testing of Mycobacterium tuberculosis

Test Includes: BD BACTEC™ MGIT™ Antimycobacterial Susceptibility Testing (AST) for the following antituberculous drugs: Streptomycin, Isoniazid, Rifampin, Ethambutol, and Pyrazinamide

Availability: Test is available to all clinical laboratories and local public health jurisdictions.

Limitations: Susceptibility testing is only performed on Mycobacterium tuberculosis.

Fees: Public health investigation testing - Exempt
Non-public health investigation testing - Exempt

Causes for Rejection: Inappropriate specimen transport container; Unlabeled or mislabeled specimen; Inappropriate transport conditions; Incomplete or missing specimen submission form; Specimen leakage during transport; Inappropriate specimen for test ordered; Specimen outdated, exceeds appropriate time from collection to receipt; Quantity not sufficient to perform test; Improperly preserved specimen

Turnaround Time: 14 days from identification (isolates),
17 days from identification (clinical)

Forms Required: Microbiology Submission Form (HEA 2530)

Specimen Requirements: Pure subculture of Mycobacterium tuberculosis on agar slant ≤ 14 days. MGIT positive within 5 days of culture positive or liquid medium to support organism growth.

Shipping Requirements: Ship overnight at ambient temperature in compliance with federal regulation and local guidelines. Refer to the Shipping Resources page for more information.