



SPECIMEN COLLECTION, TRANSPORTATION AND STORAGE

MYCOBACTERIOLOGY (AFB/TB)

Emerging Disease/Microbiology Section

Test	Test to be Performed	CPT	Accepted Specimens	Transport Method/Temperature	Reference Range	Comments	Turn around time
Mycobacteriology Primary Culture	AFB Culture and Smear	87015: Specimen Concentration 87206: AFB Smear 87116: AFB Culture Other CPT for identifying isolates	5-10ml of sputum, aerosol induced sputum, other respiratory, stool, blood, other body sites/tissues	Sputum in sterile wide-mouth containers; blood in "Isolator" tubes; other body sites or tissue in sterile containers. All primary specimen containers must be in sealed biohazard bags. Deliver promptly or refrigerate at 2-8°C for no more than 72 hours	No acid fast bacilli found		Smears: 24 hrs Negative culture 6 weeks; Positive cultures 6-12 weeks
Mycobacteriology PCR	MTB NAAT	87556	This test is approved for sputum specimens only.	Concentrated specimen in appropriate sterile container within sealed biohazard bag. Separate bag for each specimen. Transport in crush-proof, leak-proof secondary containers. Deliver to lab promptly.	M.tuberculosis complex not detected	Contact Lab for further information; Reflex for all initial AFB smear positives	Within 24 hours
Mycobacteriology Drug Susceptibility	MTB AST	87188: each drug	Isolates of <u>Mycobacteria tuberculosis</u>	Transport in crush-proof, leak-proof secondary containers. Room temperature	Susceptible to drugs tested	MGIT Broth: INH, RIF, EMB, & PZA	2-4 weeks after identification or isolate receipt
Mycobacteriology Culture isolate for identification	AFB Isolate ID	Hospital Labs only	A pure culture in a tightly sealed screw capped tube of 7H-10 or LJ slant	Transport in leak-proof secondary containers. Room temperature			Direct Probe 2 weeks; or HPLC: 4 weeks
Positive MGIT for identification	MGIT ID	Hospital Labs only	Positive inoculated MGIT broth tube	Transport in leak-proof secondary containers. Room temperature			Direct Probe 2 weeks; or HPLC: 4 weeks
Title 17 Isolates	TB Title 17 Isolate	Hospital Labs only	Pure Mycobacterium tuberculosis cultures on solid tube media according to Title 17 regulations	Transport in crush-proof, leak-proof secondary containers. Room temperature. Include Susceptibility results		Forwarded to Reference Lab for Genotyping.	