

TEST CHANGE

Mycobacterium tuberculosis Complex Detection and Rifampin Resistance by PCR

2010775, MTBRIF PCR

Specimen Requirements:

Patient Preparation:

Collect: Respiratory specimens, CSF, pleural fluid, ~~or~~ tissue, or urine.

Specimen Preparation: Unprocessed Specimens: Transport 5-10 mL respiratory specimen, CSF, ~~or~~ pleural fluid, or urine (Min: 1 mL) in a sterile container, or tissue large enough to be ground. Label as unprocessed.
Processed Specimens: Transport 2-5 mL digested/decontaminated respiratory specimen, CSF, pleural fluid, or tissue in a sterile container. (Min: 1 mL)
Place each specimen in an individually sealed bag.

Transport Temperature: Refrigerated.

Unacceptable Conditions: Blood, paraffin blocks, stool, and swabs, ~~and urine~~.

Remarks: Specimen source required. Processed Specimens: Identify method used for digestion and provide smear results.

Stability: Unprocessed: Ambient: 3 days; Refrigerated: 1 week; Frozen: 1 month
Processed: Ambient: Unacceptable; Refrigerated: 1 week; Frozen: 1 month

Methodology: Qualitative Polymerase Chain Reaction (PCR)

Note: Body fluids other than pleural fluid will be run with a disclaimer.

Specimen source required. To perform this test, it is essential to know whether or not the submitted specimen has been processed (digestion and decontamination procedure). If processed, smear results must be provided as a comment on the test order or requisition. Delayed turnaround time will occur if the required information is not provided.

After a positive result, repeat orders for *Mycobacterium tuberculosis* Complex Detection and Rifampin Resistance by PCR will continue to yield a positive result and repeat testing is not clinically indicated.

The Xpert MTB/RIF test performance has not been evaluated with samples from pediatric patients.

CPT Codes: 87564

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

Interpretive Data:

Mycobacterial culture is a more sensitive method than molecular testing for the diagnosis of

tuberculosis and is still considered the gold standard. When possible, a culture must be performed regardless of the molecular method test result.

Reference Interval:
