



Reporting Title: M tuberculosis Complex PCR

Performing Location: Rochester

Additional Testing Requirements:

This test must always be performed in conjunction with mycobacterial culture. If your facility is unable to perform mycobacterial culture, order CTB / Mycobacteria and Nocardia Culture, Varies concurrently with this test.

Shipping Instructions:

Specimen must arrive within 7 days of collection; if greater than 7 days of collection, the specimen will be rejected.

Necessary Information:

Specimen source is required.

Specimen Requirements:

The high sensitivity of amplification by polymerase chain reaction (PCR) requires the specimen to be processed in an environment in which contamination of the specimen by Mycobacterium tuberculosis DNA is unlikely.

If a single specimen is being shared between mycobacteria culture, acid-fast smear, and/or M tuberculosis PCR, a minimum volume of 2 mL for body fluid, 3 mL for respiratory specimen, or a pea-sized piece of tissue should be obtained. Specimen volumes less than indicated may decrease sensitivity of testing. If insufficient volume is submitted, test or tests will be canceled.

Preferred Specimens: Body fluid, cerebrospinal fluid (CSF), ocular fluid, respiratory (eg, bronchoalveolar lavage [BAL], bronchial washing, sputum), feces, fresh tissue, bone, bone marrow, or urine

Acceptable Specimens: If no fresh specimen is available, digested respiratory specimens treated with N-acetyl-L-cysteine/sodium hydroxide (NALC/NaOH) are acceptable (eg, BAL, bronchial washing, respiratory fluid, sputum, or tracheal secretion), as are NALC/NaOH-treated gastric washings.

Submit only 1 of the following specimens:

Specimen Type: Body fluid

Sources: Body, bone marrow aspirate, ocular, or CSF

Container/Tube: Sterile container

Specimen Volume: 1 mL

Additional Information: Only fresh, non-NALC/NaOH-digested body fluid is acceptable.

Specimen Type: Gastric washing

Container/Tube: Sterile container

Specimen Volume: 2 mL

Collection Instructions: Neutralize specimen within 4 hours of collection with 20 mg of sodium carbonate per 2 mL of gastric washing.

Specimen Type: Respiratory



Sources: BAL, bronchial washing, or sputum

Container/Tube: Sterile container

Specimen Volume: 1 mL if only PCR ordered or 3 mL if PCR ordered with smear and culture

Specimen Type: Feces

Container/Tube: Sterile container

Specimen Volume: 5-10 g

Additional Information: Only fresh, non-NALC/NaOH-digested fecal specimens are acceptable.

Specimen Type: Tissue

Sources: Fresh tissue, bone, or bone marrow biopsy

Container/Tube: Sterile container

Specimen Volume: 5-10 mm

Collection Instructions: Keep moist with sterile water or sterile saline

Additional Information: Only fresh, non-NALC/NaOH-digested tissue is acceptable.

Specimen Type: Urine

Container/Tube: Sterile container

Specimen Volume: 1 mL

Collection Instructions: Collect a random urine specimen.

Acceptable

Specimen Type: NALC/NaOH-digested respiratory specimens

Sources: Lavage fluid, bronchial washing, gastric washing, respiratory fluid, sputum, or tracheal secretion

Container/Tube: Sterile container

Specimen Volume: 2 mL

Collection Instructions:

1. Submit digested specimen treated with NALC/NaOH.
2. Clearly indicate on container and order form that specimen is a digested specimen.

Specimen Minimum Volume:

Body fluid: 0.5 mL

Nondigested respiratory specimen: 0.5 mL

Fresh tissue or bone: 5 mm

NALC-NaOH-digested specimen: 1 mL

Gastric washing: 1 mL

Stool: 5 g

Urine: 0.5 mL

Forms:

If not ordering electronically, complete, print, and send a Microbiology Test Request (T244) with the specimen.

Specimen Type	Temperature	Time	Special Container
---------------	-------------	------	-------------------



Varies	Refrigerated (preferred)	7 days	
	Frozen	7 days	

Ask at Order Entry (AOE) Questions:

Test ID	Question ID	Description	Type	Reportable
MTBRP	SRC62	MTB Complex PCR, Specimen Source	Plain Text	Yes

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
SRC62	MTB Complex PCR, Specimen Source	Alphanumeric		31208-2
56044	MTB Complex PCR, Result	Alphanumeric		38379-4

LOINC and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

87556-Mycobacterium tuberculosis, complex, molecular detection, PCR
87015-Mycobacteria culture, concentration (if appropriate)

Reflex Tests:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
TBT	Concentration, Mycobacteria			No	No (Bill Only)



Reference Values:

Not applicable