

Patient Name : Demo Patient Name
Age / Sex : 25 Y / M
Referred By : DEMO HOSPITAL
Centre : HOD Head Office

Lab No : Demo Visit No
Registration On : 09-Jan-25 14:57
Patient ID : UHID.DEMO.001

TB PCR - Mycobacterium Tuberculosis

Accession No: DEMO_BARCODE **Collected On:** 09-Jan-25 14:57 **Received On:** 09-Jan-25 20:58 **Approved On:** 10-Jan-25 19:23

Observation	Result	Unit	Biological Ref. Interval	Method
MTBC Real Time PCR	Not Detected			Real Time PCR
NTM/MOTT Real Time PCR	Not Detected			Real Time PCR
Test Details (For Reference Only)				
Specimen Sample	EDTA Whole Blood			
Internal Positive Control	Satisfactory			Real Time PCR

Real-time Polymerase Chain Reaction

Note: DNA Extraction by Manual IVD approved Kit, Real Time PCR by IVD approved kit and instrument. This report is generated by Thermo Fisher QuantStudio5.

MTB - Mycobacterium tuberculosis

NTM/MOTT - Non-tuberculous mycobacteria / Mycobacterium other than tuberculosis

IPC - (Internal Positive control)

Analytical Sensitivity:

Detection Limit for MTB: ≥ 10 cfu/ml

Detection Limit for NTM/MOTT: ≥ 100 cfu/ml

Comments:

- The MTB Detection kit is an in vitro nucleic acid amplification test for the detection of all members of the M. tuberculosis complex (M. tuberculosis, M. africanum, M. bovis, M. bovis BCG, M. microti, M. pinnipedii, M. canetti, M. caprae, M. mungi) and all members of the Mycobacterium avium complex (MAC) which includes MAC subspecies silvaticum, subspecies hominissuis, and subspecies paratuberculosis, Mycobacterium intracellulare, Mycobacterium arosiense, Mycobacterium chimaera, Mycobacterium colombiense, Mycobacterium marseillense, Mycobacterium timonense, Mycobacterium bochodurhonense, and Mycobacterium ituriense. Other common NTM isolated from human samples include Mycobacterium xenopi, Mycobacterium fortuitum complex, Mycobacterium kansasii, and the rapidly growing Mycobacterium abscessus in human sputum, BAL, bronchial secretion, CSF, peritoneal fluid, Pus, urine, Blood and other body fluids and endometrium samples.
- This diagnostic test kit utilizes the real time polymerase chain reaction for detection MTB complex and NTM/MOTT.
- The MTB complex and NTM/MOTT Detection kit is only intended to detect members of the M. tuberculosis complex/NTM/MOTT and no other pathogens which may be present in human clinical samples.
- The positive results are indicative of active infection but do not rule out viral infection or co-infection with other pathogens. Clinical correlation with patient history and other diagnostic information is necessary to determine patient infection status.
- Negative results do not preclude all members of the M. tuberculosis complex/NTM/MOTT infection and should not be used as the sole basis for diagnosis, treatment, or other patient management decisions. Negative results must be combined with clinical observations, patient history, and/or epidemiological information.

Advise: Please Correlate Results Clinically.



This is a Demo Signature
and the doctor's signature should appear here

In case of any unexpected or alarming results, please contact us immediately for re-confirmation, clarifications, and rectifications, if needed.

