

Patient NAME :		Report STATUS :	
DOB/Age/Gender :		Barcode NO :	
Patient ID / UHID :		Sample Type :	
Referred BY :		Report Date :	
Sample Collected :			

### #TB Gold Plus (IGRA)

Parameter	Observed Values	Units	Biological Reference range
TB Nil Value	0.03	IU/ml	<=8.0
TB Mitogen Nil Value	10.0	IU/ml	≥0.5
TB1 Nil Value	0.00	IU/ml	<0.35
TB2 Nil Value	0.03	IU/ml	<0.35
Result	Negative		

Method:- ELISA

Nil (IU/ml)	TB1 minus Nil (IU/ml)	TB2 minus Nil (IU/ml)	Mitogen Minus Nil (IU/ml)	QFTPlus Result	Report/Interpretation
<=8.0	≥0.35 and ≥25% of Nil Value	Any	Any	Positive	M. tuberculosis infection likely
	Any	≥0.35 and ≥25% of Nil Value		Negative	M. tuberculosis infection NOT likely
	< 0.35 or ≥0.35 and <25% of Nil Value	<0.35 or ≥0.35 and <25% of Nil Value	<0.5	Indeterminate	Likelihood of M. tuberculosis infection cannot be determined
	<0.35 or ≥0.35 and <25% of Nil Value	<0.35 or ≥0.35 and <25% of Nil Value			
>8.0	Any		Indeterminate		Likelihood of M. tuberculosis infection cannot be determined

### Interpretation:

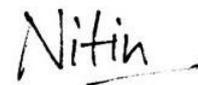
Results from QFTPlus testing must be used in conjunction with each individual's epidemiological history, current medical status, and other diagnostic evaluations. Diagnosing or excluding tuberculosis disease, and assessing the probability of LTBI, requires a combination of epidemiological, historical, medical, and diagnostic findings that should be taken into account when interpreting QFTPlus results. The magnitude of the measured IFN gamma level cannot be correlated to stage or degree of infection, level of immune responsiveness, or likelihood for progression to active disease. A positive TB response in persons who are negative to Mitogen is rare, but has been seen in patients with TB disease. This indicates the IFN gamma response to TB Antigen is greater than that of Mitogen, which is possible as the level of Mitogen does not maximally stimulate IFN- gamma production by lymphocytes.

QFTPlus is a test for cell-mediated immune (CMI) responses to peptide antigens that simulate mycobacterial proteins. These proteins, ESAT6 and CFP10, are absent from all BCG strains and from most nontuberculous mycobacteria with the exception of M. Kansaii, M. Szulgai, and M. Marinum (1). Individuals infected with MTB complex organisms usually have lymphocytes in their blood that recognize these and other mycobacterial antigens. This recognition process involves the generation and secretion of the cytokine IFN-gamma. The detection and subsequent quantification of IFN-gamma forms the basis of this test.

QFTPlus has two distinct TB antigen tubes: TB Antigen Tube 1 (TB 1) and TB Antigen Tube 2 (TB 2). Both tubes contain peptide antigens from the MTB complex associated antigens, ESAT6 and CFP10. Whereas the TB1 tube contains peptides from ESAT6 and CFP10 that are designed to elicit CMI responses from CD4+ T helper lymphocytes, the TB2 tube contains an additional set of peptides targeted to the induction of CMI responses from CD8+ cytotoxic T lymphocytes.

NOTE- \*\*This test is processed at Redcliffe's partnered lab.

\*\*\* End Of Report \*\*\*



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All Lab results are subject to clinical interpretation by qualified medical professional and this report is not subject to use for any medico-legal purpose.

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