NEW TEST

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QuantiFERON TB-Gold Plus, 4-Tube

3017562, QFT 4

Specimen Requirements:	
Patient Preparation:	
Collect:	QuantiFERON-TB Gold Plus (Standard) 4-Tube Collection Kit (ARUP Supply #54012) or QuantiFERON-TB Gold Plus (HIGH ALTITUDE) 4-Tube Collection Kit (ARUP Supply #54010) available online through eSupply using ARUP Connect(TM) or contact ARUP Client Services at 800-522-2787. Specimens may remain ambient for up to 16 hours after collection before being placed in an incubator. For collection and transport instructions refer to QuantiFERON under Special Handling at https://www.aruplab.com/testing/quantiferon#collection.
Specimen Preparation:	Transport plasma in the original containers. (Min: 0.8 mL per container)
Transport Temperature:	Refrigerated
Unacceptable Conditions:	Whole blood
Remarks:	
Stability:	Ambient: 2 hours; Refrigerated: 1 month; Frozen: Unacceptable
Methodology:	Semi-Quantitative Chemiluminescent Immunoassay (CLIA)/Semi-Quantitative Enzyme-Linked Immunosorbent Assay (ELISA)
Performed:	Sun-Sat
Reported:	1-4 days
Note:	
CPT Codes:	86480
New York DOH Approval Status:	This test is New York DOH approved.

Interpretive Data:

Interferon gamma release is measured for specimens from each of the four collection tubes. A qualitative result (Negative, Positive, or Indeterminate) is based on interpretation of the four values: NIL, MITOGEN minus NIL (MITOGEN-NIL), TB1 minus NIL (TB1-NIL), and TB2 minus NIL (TB2-NIL). The NIL value represents nonspecific reactivity produced by the patient specimen. The

MITOGEN-NIL value serves as the positive control for the patient specimen, demonstrating successful lymphocyte activity. The TB1-NIL tube specifically detects CD4+ lymphocyte reactivity, specifically stimulated by the TB1 antigens. The TB2-NIL tube detects both CD4+ and CD8+ lymphocyte reactivity, stimulated by TB2 antigens. An overall Negative result does not completely rule out TB infection.

A false-positive result in the absence of other clinical evidence of TB infection is not uncommon. Refer to: Updated Guidelines for Using Interferon Gamma Release Assays to Detect Mycobacterium tuberculosis Infection -- United States, 2010 (http://www.cdc.gov/mmwr/preview/mmwrhtml/rr5905a1.htm), for more information concerning test performance in low-prevalence populations and use in occupational screening.

Reference Interval:

Test Number	Components	Reference Interval
	QuantiFERON-Mitogen minus NIL	
		No Reference Interval
	QuantiFERON NIL	
		No Reference Interval
	Quantiferon-Plus TB1 minus NIL	
		0.34 IU/mL or less
	Quantiferon-Plus TB2 minus NIL	
		0.34 IU/mL or less

HOTLINE NOTE: Refer to the Hotline Test Mix for interface build information.