TEST CHANGE

QuantiFERON-TB Gold Plus, 1-Tube

3000400, QFT-PLUS

Specimen Requirements:	
Patient Preparation:	
Collect:	QuantiFERON(R)-TB Gold Plus 1-tube (ARUP Supply #54015) available online through eSupply using ARUP Connect(TM) or contact ARUP Client Services at (800) 522-2787. For collection and transport instructions refer to QuantiFERON under Special Handling at https://www.aruplab.com/testing/quantiferon#collection. NOTE: The specimen must be submitted in the ARUP-provided collection tube due to the requirements of the laboratory automation.
Specimen Preparation:	Transport 6 mL whole blood. (Min: 5 mL).
Transport Temperature:	Refrigerated. Must be collected and shipped directly to ARUP the same calendar day.
Unacceptable Conditions:	Clotted specimens.
Remarks:	Do not collect or ship on, or the day before, holidays.
Stability:	Ambient: 3 hours; Refrigerated: 48 hours; Frozen: Unacceptable
Methodology:	Cell Culture/Semi-Quantitative Enzyme-Linked Immunosorbent Assay
Performed:	Sun-Sat
Reported:	1-4 days
Note:	If the stability requirements cannot be met, please refer to test 3000399, QuantiFERON-TB Gold Plus, 4-Tube.
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:

Components	Reference Interval
QuantiFERON-TB Gold In-Tube	Negative
QuantiFERON-TB1 minus NIL	0.34 IU/mL or less
QuantiFERON-TB2 minus NIL	0.34 IU/mL or less
QuantiFERON MITOGEN minus NIL	No reference interval
QuantiFERON NIL	No reference interval