

**NAPA-SOLANO-YOLO-MARIN COUNTY  
PUBLIC HEALTH LABORATORY**  
2201 COURAGE DRIVE, MS 9-200  
FAIRFIELD, CA 94533  
(707) 784-4410 FAX (707) 423-1979



<b>Test</b>	QuantiFERON-TB Gold Plus Test
<b>Test Description</b>	The QuantiFERON-TB Gold Plus (QFT-Plus) test is an enzyme-linked immunosorbent assay (ELISA) used as an indirect test for <i>Mycobacterium tuberculosis</i> infection and in conjunction with risk assessment, radiography, and other medical and diagnostic evaluations. The QFT-Plus test assesses cell-mediated response to mycobacterial proteins through a quantitative measurement of interferon-gamma in a whole blood sample. Individuals infected with <i>M. tuberculosis</i> complex organisms usually have lymphocytes in their blood that recognize mycobacterial antigens and secrete interferon-gamma upon recognition.
<b>Acceptable specimens</b>	<p>1. Whole blood collected in a set of 4 QFT-Plus tubes: Nil tube (grey cap with white ring), TB1 tube (green cap with white ring), TB2 tube (yellow cap with white ring), and mitogen tube (purple cap with white ring)</p> <p><i>Note: The collection volume is 1 mL per tube. The tubes should be shaken ten times after filling to coat the inner surface of the tube with blood.</i></p>
<b>Specimen storage</b>	<p><u>No prior incubation:</u> Specimens should be stored at room temperature and must be received by the laboratory within 16 hours after collection. Tubes are incubated upon receipt by the laboratory.</p> <p><u>Incubated by submitter:</u> Specimens should be kept refrigerated at 2–8°C for up to 28 days after incubation.</p>
<b>Specimen shipping</b>	<p><u>No prior incubation:</u> Specimens should be shipped unrefrigerated.</p> <p><u>Prior incubation:</u> Specimens should be shipped refrigerated (2–8°C).</p>
<b>CPT code</b>	86480
<b>Test fee</b>	Refer to the posted fee schedule
<b>Result availability (turnaround time)</b>	QuantiFERON testing results are typically available within 2–5 business days after specimen receipt. Results may be faxed or mailed depending on the preference of the submitter. The timing of QuantiFERON testing depends in part on the quantity of specimens received by the laboratory.