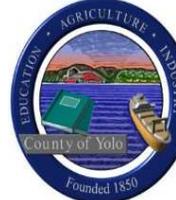


**NAPA-SOLANO-YOLO-MARIN COUNTY
PUBLIC HEALTH LABORATORY**
2201 COURAGE DRIVE, MS 9-200
FAIRFIELD, CA 94533
(707) 784-4410 FAX (707) 423-1979



Test	TB GeneXpert
Test Description	<p>The TB GeneXpert test is a cartridge-based nucleic acid amplification test for simultaneous tuberculosis detection and selected antibiotic resistance testing on induced or expectorated sputum. It is an automated diagnostic test that can identify <i>Mycobacterium tuberculosis</i> DNA and rifampin-resistance associated mutations of the <i>rpoB</i> gene. The test is intended for patients for whom there is clinical suspicion of tuberculosis and who have received no or limited treatment.</p> <p><i>Note: It is strongly suggested that only one TB GeneXpert test be ordered for a series of sputum samples. Reflex testing can be ordered in the event of a positive smear result. Testing of positive culture specimens (i.e., liquid media) can also be performed.</i></p>
Acceptable specimens and collection information	<p>1. Sputum—expectorated or induced</p> <p>An early-morning sputum at a volume of 5-10 ml should be collected. The minimum acceptable volume is 1 ml. Specimens consisting of saliva only will have low sensitivity.</p> <p><i>Note: Specimens other than sputum can be tested by TB GeneXpert but these specimen types have not been validated for sensitivity and specificity by the manufacturer or the Napa-Solano-Yolo-Marin County Public Health Laboratory. Consequently, if the specimen is negative by TB GeneXpert, the lab report will indicate that the test has not been validated for the specimen source or type.</i></p>
Specimen storage	Sputum specimens should be stored refrigerated.
Specimen shipping	Sputum specimens should be shipped refrigerated and received by the laboratory to ensure that processing can occur within 7 days from the time of collection.
CPT code	87556
Test fee	Refer to the posted fee schedule
Result availability (turnaround time)	TB GeneXpert results are typically faxed to the submitter within 1 business day after specimen receipt or a test request.