

Southern Nevada Public Health Laboratory
TEST MENU

Bacillus anthracis by Real-time PCR Assay

Method	Nucleic acid detection by real-time Reverse Transcriptase Polymerase Chain Reaction (qRT-PCR) Centers for Disease Control and Prevention (CDC) FDA approved method
CPT Code	87801 Infectious agent detection by Nucleic Acid (RNA or DNA), Multiple Organisms 87798 Bacillus anthracis PCR
Specimen	Human respiratory samples, whole blood, serum, plasma, swabs from lesions, CSF, pleural fluid and bacterial culture isolates.
Collect in	Sterile transport container or evacuated sample collection tube
Labeling	Label with patient's full name, date of birth, collection time and date
Transport	Store and transport refrigerated (2-8°C) within 72 hours or freeze (-20 ° C)
Sample Rejection	- Mislabeled/unlabeled specimen - Specimen quantity not sufficient for testing (QNS)
Requisition	SNPHL Request Forms Testing is performed only at the request of SNHD Office of Epidemiology
Turn Around Time	24 hours following receipt in our laboratory
Results	Bacillus anthracis DNA detected (positive) or not detected (negative)
Reported	System generated fax; Electronic transmission
Note	If inhibitors are present in DNA extraction, PCR assays may produce a false negative result. A false negative result may occur if a sample is improperly collected, transported, or handled. False negative results may occur if inadequate numbers of organisms are present in the sample
Contact	Southern Nevada Public Health Laboratory – Molecular section