



CYBB ProGenotyper® Test
Test Code: 30029

CPT CODE	83890, 83891 x 13, 83898 x 13, 83904 x 26, 83912
SPECIMEN REQUIREMENT	
Type:	Whole blood (EDTA preferred)
Volume:	2 mL
Handling:	
Storage:	Ambient
Shipping:	Ship overnight at ambient temperature
METHODOLOGY	PCR
SET-UP SCHEDULE	Call for set up schedule
STANDARD TURNAROUND TIME	
CLINICAL UTILITY	Chronic granulomatous disease is a genetically heterogeneous immunodeficiency disorder resulting from an inability of phagocytes to kill microbes that they have ingested. The disorder presents most often with pneumonia, infectious dermatitis, osteomyelitis and recurrent or severe abscess formation beneath the skin and in the organs of the mononuclear phagocyte system. The impairment in microbial killing is caused by defects in the NADPH oxidase enzyme complex which generates the microbicidal respiratory burst. Pneumonia or sepsis due to <i>Aspergillus</i> or <i>Burkholderia cepacia</i> infection are the most common causes of death in CGD patients.
RELATED TEST	Neutrophil Oxidative Burst Test (403002)