

## Neutrophil Oxidative Burst

Order Name: **NOB**  
Test Number: None  
Revision Date: 02/20/2024

TEST NAME	METHODOLOGY	LOINC CODE
Neutrophil Oxidative Burst	Flow cytometry	

### SPECIMEN REQUIREMENTS

Specimen	Specimen Volume (min)	Specimen Type	Specimen Container	Transport Environment
Preferred	5mL	Whole Blood	Sodium Heparin (Green Top / No-Gel)	Room Temperature
Instructions	<p><b>Order STAT</b>  <b>Order using New Test Misc</b>  <b>Use Labcorp test number 805245</b>  <b>Collect Monday through Wednesday</b>  <b>Collect between 11am and 2pm send in STAT - Specimen must be received at the lab by 3pm.</b>            Collect whole blood, green (Sodium Heparin) tube.            Send a whole blood Sodium Heparin in the original tube  <b>Notify lab personnel prior to collection, Dr. Miller at 918-409-6645</b>  <b>Stability:</b> Room temperature - 24 hours; Frozen-Unacceptable</p>			

### GENERAL INFORMATION

Testing Schedule	Collect Monday through Wednesday
Expected TAT	2-3 business days
Clinical Use	Patients with chronic granulomatous disease (CGD) have an inherited primary immunodeficiency with recurrent infections and granulomas. Their neutrophils are fully capable of ingesting bacteria and fungi but cannot kill because of the dysfunction of the nicotinamide adenine dinucleotide phosphate (NADPH) oxidase system and thus an inability to produce superoxide anions required for killing of the bacteria and fungal organisms. The DHR flow assay provides an assessment of the reactive oxygen intermediate (ROI) production by measuring the NADPH oxidase activity.
Performing Labcorp Test Code	805245
Notes	Labcorp test code: 805245 Testing referred to Eurofins Viracor This test has not been cleared or approved for diagnostic use by the U.S. Food and Drug Administration
CPT Code(s)	82657
Lab Section	Reference Lab