

CHRONIC
GRANULOMATOUS
SCREENING
INVESTIGATION

Orderable - FLOW

Turnaround Time: 24 hours STAT: 4 hours

Alternate Name(s):

Nucleated Oxidative Burst Index
Oxidative Burst

Specimen:

Adult	Pediatric
4 mL K2 or K3 EDTA Lavender top Vacutainer tube	0-2 years: 0.5 mL Lavender Microtainer 2-10 years: 3 mL Lavender top

Collection Information:

Minimum volume required for testing is 0.5 mL.

Notify the laboratory (519-685-8300 ext. 57450) prior to sending sample.

For referred-in testing please contact the Laboratory or Dr. Ben Hedley 519-685-8300 ext. 55402.

Reference Ranges:

Neutrophils demonstrate normal oxidative burst following stimulation by PMA, not suggestive of a diagnosis of CGD.

Interpretive Comments:

Negative: Neutrophils demonstrate normal oxidative burst following stimulation by PMA, not suggestive of a diagnosis of CGD

Positive (Afflicted): Neutrophils demonstrate abnormal oxidative burst following stimulation by PMA, suggestive of a diagnosis of CGD. CGD is an extremely rare disease. It is recommended that the test be repeated for confirmation with a new specimen.



Laboratory:
Flow Cytometry Lab



Requisition:
GENERAL LABORATORY
REQUISITION




Method of Analysis:
Flow cytometry



Test Schedule:
Monday to Wednesday
only
0800-1300.
Do not send samples on
Fridays.

Prior to STAT holidays,
routine specimens must
be received in the Flow
Cytometry Laboratory at
Victoria Hospital by 1300.



CHRONIC
GRANULOMATUS
SCREENING
INVESTIGATION

Positive (Carrier): Two populations of neutrophils identified. One population demonstrates normal oxidative burst following stimulation by PMA, the second demonstrates abnormal oxidative burst. Suggests patient is a carrier for CGD. CGD is an extremely rare disease. It is recommended that the test be repeated for confirmation with a new specimen.

Special Processing:

Prior booking of the testing is required. Call 519-685-8300 ext. 57450.

Storage and Shipment:

Ship sample at room temperature (20°C to 25°C) prior to testing.

Samples are to be shipped immediately after collection.

Samples must be received for testing within 4 hours of collection.

Specimen Stability:

Sample is stable for 6 hours at room temperature.