Orderable - FLOW

Turnaround Time: 24 hours  STAT: 4 hours

Alternate Name(s):
Nucleated Oxidative Burst Index
Oxidative Burst

Specimen:

<table>
<thead>
<tr>
<th></th>
<th>Adult</th>
<th>Pediatric</th>
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<tbody>
<tr>
<td></td>
<td>4 mL K2 or K3 EDTA Lavender top Vacutainer</td>
<td>0-2 years: 0.5 mL Lavender Microtainer</td>
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<tr>
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<td>tube</td>
<td>2-10 years: 3 mL Lavender top</td>
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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.
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.