<table>
<thead>
<tr>
<th><strong>Lab Dept:</strong></th>
<th>Hematology</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Test Name:</strong></td>
<td>CBC, PLATELET, WITHOUT DIFFERENTIAL</td>
</tr>
</tbody>
</table>

**General Information**

- **Lab Order Codes:** ABC
- **Synonyms:** Hemogram; Blood Cell Count; Automated Cell Count; CBC and Platelet Count
- **CPT Codes:** 85027 – Hemogram and platelet, automated
- **Test Includes:** WBC, RBC, Hct, Hgb, MCV, MCH, MCHC, RDW, Platelet Count, MPV

**Logistics**

- **Test Indications:** Useful as a screen for the evaluation of anemia, leukemia, reaction to inflammation and infection, state of hydration, and dehydration, polycythemia, hemolytic disease of the newborn, and ABO incompatibilities.
- **Lab Testing Sections:** Hematology
- **Phone Numbers:** MIN Lab: 612-813-6280
                               STP Lab: 651-220-6550
- **Test Availability:** Daily, 24 hours
- **Turnaround Time:** 4 hours
- **Special Instructions:** Optimally, specimen should arrive in the lab within 4 hours of collection. Specimens can be stored at room temperature up to 24 hours.

**Specimen**

- **Specimen Type:** Whole blood
- **Container:** Lavender (EDTA) top tube, Lavender (EDTA) Microtainer®
- **Draw Volume:** 2 mL blood in a 2 mL Lavender top tube
                       OR
                       0.5 mL in an EDTA Microtainer®
- **Processed Volume:** Minimum: 0.5 mL blood
**Stability:**
Optimal when run within 4 hours of collection.
Stable for 24 hours at room temperature.
Stable for 36 hours at 2 – 8 degrees C.

**Collection:**
Routine venipuncture or blood collection

**Special Processing:**
Lab Staff: **Do Not** centrifuge

**Patient Preparation:**
None

**Sample Rejection:**
Improper tube; clotted sample; underfilled tube; mislabeled or unlabeled specimens

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**Interpretive**

**Reference Range:**
Age and Sex Dependent; [Refer to CBC Reference Value Table](#)

**Critical Values:**

<table>
<thead>
<tr>
<th>Test Name</th>
<th>Value</th>
<th>Hem/Onc Clinics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hematocrit</td>
<td>&lt;21% or &gt;65%</td>
<td>None</td>
</tr>
<tr>
<td>Hemoglobin</td>
<td>&lt;7 gm/dL</td>
<td>&lt;5.0 gm/dL</td>
</tr>
<tr>
<td>Platelets</td>
<td>&lt;50,000 or &gt;1,000,000</td>
<td>&lt;5,000</td>
</tr>
<tr>
<td>WBC:</td>
<td>Newborn: &lt;5,000 or &gt;35,000</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>Others: &lt;2,000 or &gt;25,000</td>
<td>None</td>
</tr>
</tbody>
</table>

**Limitations:**
Characteristics that may affect results include: lipemia (or patients receiving lipids), icterus, and cold agglutinins.

Lipemia, elevated WBC and cold agglutinins will prolong the turnaround time of an occasional specimen.

**Methodology:**
Automated Cell Counter

**References:**

Normal Reference Range Study (1994) Children’s Hospitals and Clinics, Minneapolis and St Paul, MN, Hematology Laboratory

**Updates:**
9/26/2018: Lipemic specimen information updated.