



# Laboratory Service Manual

**Lab Dept:** Hematology

**Test Name:** SICKLE SCREEN

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## ***General Information***

**Lab Order Codes:** SIK

**Synonyms:** Hemoglobin S Screen, Blood; Hemoglobin Solubility; Sickle Screen; Sickledex

**CPT Codes:** 85660 – Sickling of RBC, reduction

**Test Includes:** N/A

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## ***Logistics***

**Test Indications:** Useful to screen for sickling hemoglobins.

**Lab Testing Sections:** Hematology

### **Phone Numbers:**

Minneapolis: 612-813-6280

Saint Paul: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 1 day

**Special Instructions:** Specimen must arrive within 1 hour of collection. Send in original tube

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## ***Specimen***

**Specimen Type:** Whole blood

**Container:** Lavender top tube (EDTA) or Lavender Microtainer®

**Draw Volume:** 2.0 mL in a short draw 5.0 mL EDTA tube or 0.5 mL in a Microtainer®

**Processed Volume:** Same as Draw Volume

**Collection:** Fill to mark on tube or Microtainer®. Mix well by gentle inversion.

**Special Processing:** Lab Staff: **Do Not** centrifuge. Refrigerate specimen after collection.



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<b>Patient Preparation:</b>	None
<b>Sample Rejection:</b>	The following specimens will be rejected:  Improper tube, Clotted sample, Underfilled tube, Overfilled tube

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## ***Interpretive***

<b>Reference Range:</b>	Negative
<b>Critical Values:</b>	N/A
<b>Limitations:</b>	Several other hemoglobins (e.g., Hemoglobin C Harlem, Hemoglobin C Georgetown, Hemoglobin C Ziguinchor) yield positive results. Positive reactions with dithionite solubility should be confirmed with hemoglobin electrophoresis.
<b>Methodology:</b>	Dithionite solubility
<b>Contraindications:</b>	N/A
<b>References:</b>	Harmening DH (1997) Clinical Hematology and Fundamentals of Hemostasis, 3 <sup>rd</sup> ed  Oski and Nathan (1998) Hematology of Infancy and Childhood, 5 <sup>th</sup> ed