

HEMOGLOBINOPATHY  
SCREEN

## Orderable – HBOP; HBOPFT

Turnaround Time: 3 weeks

**STAT: Sickle Cell patients requiring testing please call the laboratory at 33097 or 77676 (Monday-Friday). For all other times please contact Dr. Ben Hedley 17716.**

### Alternate Name(s):

Hemoglobin F (Fetal)  
Hemoglobin A2  
Hemoglobin Electrophoresis  
Hemoglobin H  
Ferritin Level



**Laboratory:**  
Clinical Immunology Lab



**Requisition:**  
GENERAL LABORATORY  
REQUISITION



**Method of Analysis:**  
Microscopy  
Capillary Electrophoresis

### Specimen:

Peripheral Blood:

Adult	Pediatric
4 mL K2 or K3 EDTA Lavender top Vacutainer tube	0-2 years: Lavender 1.0 mL., Red 0.5 mL
5 mL Red top Vacutainer tube	2-10 years: 2 mL Lavender top, 2 mL Red

### Specimen Stability:

Stability is 7 days from collection at 2-8°C.

### Collection Information:

Specimen should be transported at room temperature, stored at 2-8°C prior to testing.

#### **For referred-in (non-LHSC) samples:**

1. Include the following:
    - Requisition with patient demographics (HCN included)
    - Available pertinent familial history or information: ethnic origin, known affected family members
- patient transfused before sample drawn



**Test Schedule:**  
Weekly  
Monday-Friday:  
0700-1600

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patient planning a pregnancy

- CBC results
- Stained blood film reflecting the CBC results
- A fax number to which the report can be sent

2. Send to:

Sample Receiving Area  
Room D1-218  
London Health Sciences Centre  
800 Commissioners Rd., London, ON  
N6A 5W9

3. Notify laboratory (519-685-8300 ext. 33097 or 77676) prior to sending sample.

### Reference Ranges:

<b>Hb A:</b>	
Newborn-1 month:	<=10.0
1-3 months:	21.1-56.6
3-6 months:	50.7-85.6
6-7 months:	83.5-96.8
>7 months:	95.5-97.6

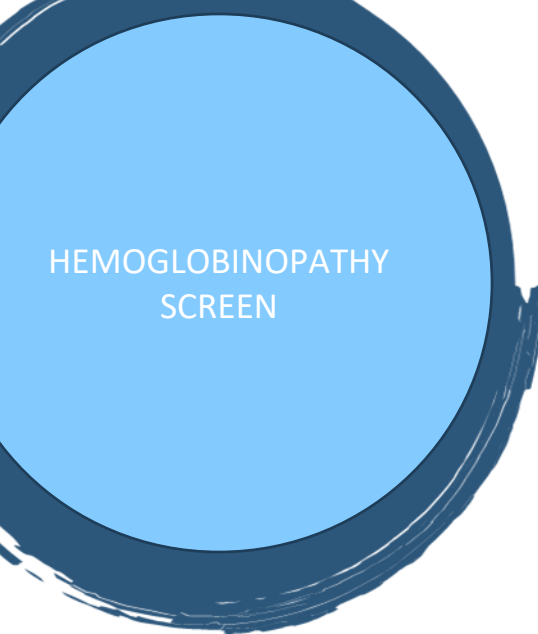
<b>Hb F:</b>	
Newborn-1 month:	<=90.0
1-3 months:	42.4-75.6
3-6 months:	12.4-46.0
6-7 months:	1.2-13.2
>7 months:	0.0-1.2

<b>Hb A2:</b>
2.0-3.3

<b>Hb H:</b>
Negative

### Interpretive Comments:

Screening procedure includes CBC, serum Ferritin level, Hemoglobin Electrophoresis with quantitation of hemoglobin fractions, and when indicated, HbS Solubility test, or



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HbH Preparation.

### **Critical Information Required:**

Any clinical history or relevant patient history.

### **Storage and Shipment:**

Ship sample at room temperature.

Store specimen at 2°-8° Celsius prior to testing.

Samples must be received for testing within 24 hours of collection.