

HEMOGLOBINOPATHY  
SCREEN

## Orderable – HBOP; HBOPFT

Turnaround Time: 3 weeks

**STAT: Sickle Cell patients requiring urgent testing  
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:**

- Notify laboratory prior to sending sample  
(519-685-8300 ext. 33097 or 77676)  
[HBOP@lhsc.on.ca](mailto:HBOP@lhsc.on.ca)
- Include the following:
  1. Requisition with patient demographics (HCN included)



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

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2. Available pertinent familial history or information: ethnic origin, known affected family members, patient transfused before sample drawn, patient planning a pregnancy

3. CBC results: referral centers exception to this are:

Alexandra Hospital

Tillsonburg District Memorial Hospital

Middlesex Hospital Alliance (Strathroy Middlesex General and Four Counties)

St. Thomas Elgin General Hospital

Woodstock Hospital

South Huron Hospital Association

Listowel Wingham Hospitals Alliance (Listowel Hospital and Wingham Hospital)

4. A fax number to which the report can be sent

### Send to:

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

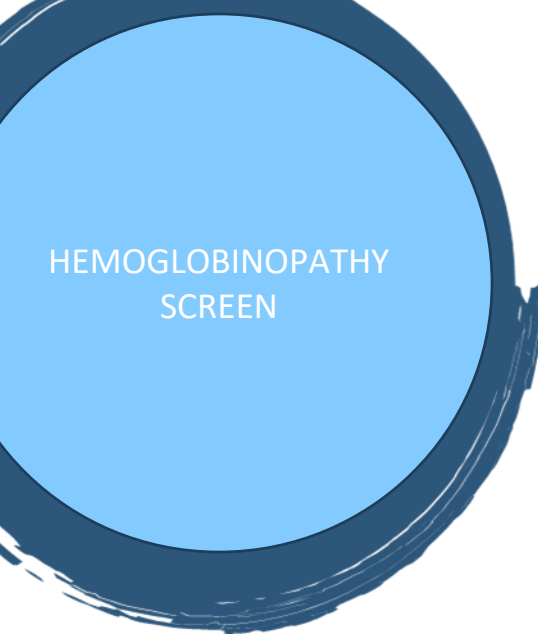
### Reference Ranges:

Hb A:	
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

Hb F:	
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

Hb A2:
2.0-3.3

Hb H:
Negative



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### **Interpretive Comments:**

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