

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:

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
 - patient planning a pregnancy



Test Schedule:
Weekly
Monday-Friday:
0700-1600

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- 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:

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

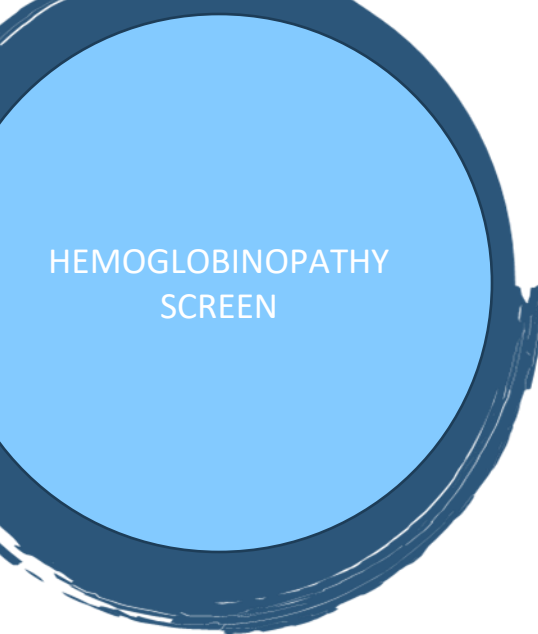
Hb F:	
Newborn-1 month:	<=90.0
1-3 months:	42.4-75.6
3-6 months:	12.4-46.0
6-7 months:	1.2-13.2
>7 months:	0.0-1.2

Hb A2:	
2.0-3.3	

Hb H:	
Negative	

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.



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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.