



Postgraduate Institute of Medical Education & Research, Chandigarh

Department of Haematology

Report on Hemoglobin HPLC (Thalassemia / Hemoglobinopathy Screening)

Patient Yachika Nath Lab ID no. 50932-21  
Age/Sex 31 Yr/F Dept./Unit Internal Medicine-Unit 3  
CR number 202104186135 Ward/OPD Internal Medicine-Unit 3  
Diagnosis Referred by  
Specimen Blood Requisition date 30/12/2021

Parameter	Result	Reference Range	Parameter	Result	Reference Range
Hb (gm%)	5.8	12.0 - 16.0	RBC ( $\times 10^{12}$ /L)	2.90	4.0 - 5.2
TLC ( $\times 10^9$ /L)	7.0	4.0 - 11.0	MCV (fl)	77.5	80 - 100
Platelets ( $\times 10^9$ /L)	159	150 - 450	MCH (pg)	20.1	26 - 34
Hct (%)	22.5	36 - 46	MCHC (gm%)	25.9	31 - 37
Reticulocyte (%)	5.38	1.0 - 2.7	RDW (%)	34.5	11.0 - 14.5

Hb HPLC

Hb Fraction	Result (%)	Reference range (%)
HbA0	-	
HbA2	2.5	2.1 - 3.5
HbF	0.4	0.2 - 1.0
Variant Peaks(s)	-	

Hb electrophoresis/Test for sickling/Other tests

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INTERPRETATION

Normal Hb HPLC.

ADVICE

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NOTE

1. Results are influenced by recent blood transfusions. 2. Normal or borderline HbA2% may be found in beta-thalassemia trait due to mutations like CAP+1 (A-C) and in coexistent alpha or delta-thalassemia, hypothyroidism, iron deficiency, etc. 3. Mild HbF elevations (usually less than 5%) may be seen in pregnancy, ~30% of beta thalassemia-traits, stress erythropoiesis etc.

Senior Resident

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Consultant

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Validated On

08-01-22 12:35 PM

Validated By

Prashant  
Sharma(Professor)