



Laboratory Investigation Report

Patient Name	Centre
Age/Gender	OP/IP No/UHID
MaxID/Lab ID	Collection Date/Time
Ref Doctor	Reporting Date/Time

Test Name	Hematology Special	Result	Unit	Bio Ref Interval
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[PDF Attached](#)

Haemoglobin HPLC, EDTA

Lab Number	9230/2022		
Hb F	0.8	%	0.0-1.0
P2	3.0		
P3	4.0	%	<6.0
HbA0 (non-glycated)	87.9	%	80-90
Hb A2	3.3	%	2.0 - 3.5

RBC Indices

Haemoglobin.	9.9	gm/dl	12-15
Non- Haemoglobincyanide			
RBC Count.	3.21	10~12/L	4.5-5.5
Electrical Impedance			
MCV.	93.3	fL	83-101
Electrical Impedance			
MCH.	30.7	pg	27-32
Calculated			
RDW.	14.8	%	11.5-14.5
Calculated			

Interpretation (HPLC)

Normal Study

Comment

(Syn: - High Performance Liquid Chromatography, Hb HPLC)

Hb HPLC is used for screening of Beta Thalassemia and detection of many other haemoglobin variants (Hemoglobin E, D Punjab, Sickle cell anaemia etc.) along with their concentration to establish zygosity.

Normal HbA2 values can be seen in Alpha Thalassemia trait, silent/ atypical Beta Thalassemia and Beta Thalassemia with iron deficiency.

A repeat Hb HPLC should be performed after replenishing iron stores in cases with microcytic hypochromic indices.

Advise: -

If there is absence of iron deficiency & persistence of microcytic hypochromic indices, then the possibility of Alpha Thalassemia trait or silent/ atypical Beta Thalassemia trait cannot be ruled out. Hb HPLC of parents and molecular sequencing of globin genes are recommended in these cases.

In individuals with beta thalassemia trait and carriers of haemoglobin variants –

1. Familial study is recommended.

Test Performed at :910 - Max Hospital - Saket M S S H, Press Enclave Road, Mandir Marg, Saket, New Delhi, Delhi 110017

Booking Centre :3770 - Kalawati Hospital, Kalawati Hospital , Shiv Chowk , 200 Model Tow, 1274222967

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Hematology Special



SIN No: B2B2110686

Test Name	Result	Unit	Bio Ref Interval
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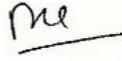
2. In cases of young/ pregnant females - Hb HPLC testing of spouse is strongly recommended.
3. Genetic counselling

Kindly correlate with clinical findings

*** End Of Report ***



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Page 2 of 2

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Conditions of Reporting: 1. The tests are carried out in the lab with the presumption that the specimen belongs to the patient name as identified in the bill/test request form. 2. The test results relate specifically to the sample received in the lab and are presumed to have been generated and transported per specific instructions given by the physicians/laboratory. 3. The reported results are for the information and interpretation by the referring doctor only. 4. Some tests are referred to other laboratories to provide a wider test menu to the customer. 5. Max Healthcare shall in no event be liable for accidental damages loss, or destruction of specimen which is not attributable to any direct and mala fide act or omission of Max Healthcare or its employees. Liability of Max Healthcare for deficiency of services, or other errors and omissions shall be limited to fee paid by the patient for the relevant laboratory services.



MC-2714

Analysis Data

Analysis Performed:
Injection Number:
Run Number:
Rack ID:
Tube Number:
Report Generated:
Operator ID:

Peak Name	Calibrated Area %	Area %	Retention Time (min)	Peak Area
Unknown	---	0.1	1.00	1351
F	0.8	---	1.09	16185
Unknown	---	1.1	1.20	21397
P2	---	3.0	1.32	61425
P3	---	4.0	1.71	80349
Ao	---	87.9	2.41	1770091
A2	3.3	---	3.65	63290

Total Area: 2,014,088

F Concentration = 0.8 %

A2 Concentration = 3.3 %

Analysis comments:

