



Immuno Diagnostics Pvt. Ltd.

Leading Immuno Assays Laboratory of Northern India

ISO 9001:2015 CERTIFIED LABORATORY

CIN No. U74899DL1979PTC009991



Reference No.	: - 2507010783	Age/Gender	: 39 Yrs/Female
Pt's Name	: Mrs. NIRALA BEGUM 10378987		
Referred By	: NA		NOD-JIT
Sample Collection Date/Time	: 07-Jul-2025	Date	:07-Jul-2025
Sample Receiving Date/Time	: 07-Jul-2025 06:24PM	Approved Date	:08-Jul-2025 05:29AM
Sample From	: JITM Diagnostics	Report Print Time	:08-Jul-2025 10:15AM

HAEMATOLOGY

Test Description	Observed Value	Biological Reference Interval
Haemoglobin Electrophoresis (HPLC)*		
Peak		
HbF	1.20	0-2.0
A1c	5.50	4.5 - 6.4 %
P3	4.80	%
P4/Unknown (Unidentified)	0.00	%
A0	85.10	%
A2	2.40	(1.50-3.70) %
Hb D (Punjab)	0.00	%
S-Window	0.00	(< 0.02) %
C-Window	0.00	(< 0.02) %
E-Window	0.00	(< 0.02) %
Others (Non specific)	0.00	(<10.00) %

Comments HPLC

Impression: HPLC findings are within normal limits.

Low Hb A2 levels are seen in:

- Iron-deficiency anemia
- Delta-beta Thalassemia (HbF is also elevated)
- Alpha Thalassemia trait
- Hb H disease
- Delta Thalassemia
- Additional delta chain variant

Borderline high hemoglobin F levels are seen in:

- Children below 2 years of age often have raised fetal hemoglobin levels.

Dr. Nidhi Vachher
M.B.B.S. M.D.(Pathology)
Consultant Pathologist

Dr. Ajay Kumar
Ph.D (BARC)
Thyroid Physiologist

Dr. Rohini Bhatia
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This test is done by Immuno Diagnostics Pvt Ltd

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Please scan the QR code to authenticate the report.

B-17, Okhla Phase II, Industrial Area, New Delhi-110020

All results should be co-related clinically; if results are alarming or unexpected, contact the laboratory.
Not valid for Medico-Legal. Result pertain to the specimen submitted.



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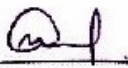
- Second trimester of pregnancy.
- Hereditary persistence of fetal hemoglobin (HPFH). This condition does not have any significant clinical implications.
- Some individuals with hematological disorders (aplastic anemia, MDS, JMML)
- In approximately 30% of Beta Thalassemia trait patients.

*** End Of Report ***

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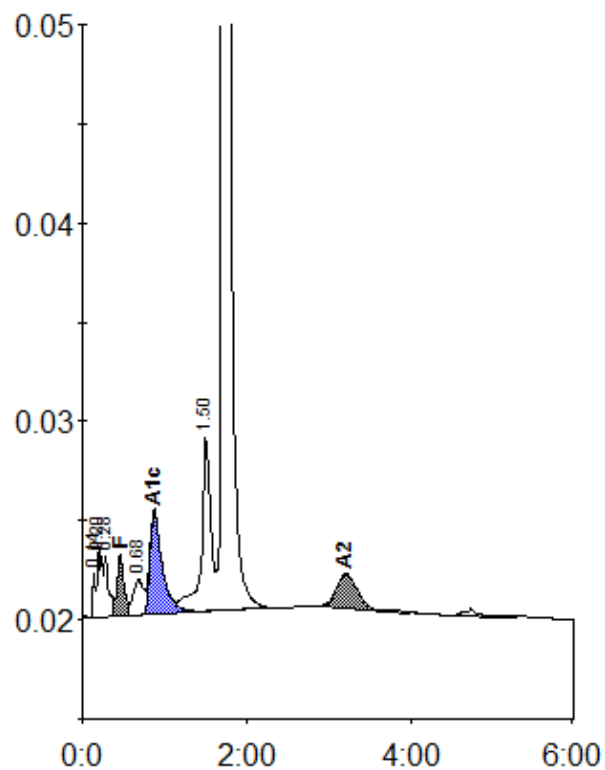
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Patient report

Bio-Rad
D-10
S/N: #DJ9K444887
Sample ID:
Injection date
Injection #: 15
Rack #: ---

DATE: 07/08/2025
TIME: 12:48 AM
Software version: 4.30-2
2507010783
07/07/2025 03:35 PM
Method: HbA2/F
Rack position: 5



Peak table - ID: 2507010783

Peak	R.time	Height	Area	Area %
Unknown	0.14	2271	4800	0.3
A1a	0.20	3515	14772	1.0
A1b	0.28	3110	12222	0.8
F	0.46	3075	18052	1.2
LA1c/CHb-1	0.68	1782	14823	1.0
A1c	0.87	5196	54209	5.5
P3	1.50	8785	70168	4.8
A0	1.71	303338	1251273	85.1
A2	3.20	1696	29357	2.4
Total Area:		1469675		

Concentration:	%
F	1.2
A1c	5.5
A2	2.4