

Name	: #RAJESH	Collected	: 27/6/2017 12:00:00AM
Lab No.	: 133434356	Received	: 27/6/2017 9:48:12AM
Age:	28 Years	Reported	: 27/6/2017 10:40:24AM
Gender:	Male	Report Status	: Final
A/c Status	: P	Ref By	: Dr. UNKNWON

Test Name	Results	Units	Bio. Ref. Interval
THALASSEMIA PROFILE			
COMPLETE BLOOD COUNT (CBC) (Electrical Impedance & VCS,Photometry)			
Hemoglobin	13.40	13.00 - 17.00 g/dL	
Packed Cell Volume (PCV)	42.00	%	40.00 - 50.00
RBC Count	4.50	4.50 - 5.50/mm ³	
MCV	85.00	80.00 - 100.00 fL	
MCH	28.00	27.00 - 32.00 pg	
MCHC	33.00	32.00 - 35.00 g/dL	
Red Cell Distribution Width (RDW)	14.50	%	11.50 - 14.50
Total Leukocyte Count (TLC)	6.10	thou/mm ³	4.00 - 10.00
Differential Leucocyte Count (DLC)			
Segmented Neutrophils	55.00	%	40.00 - 80.00
Lymphocytes	40.00	%	20.00 - 40.00
Monocytes	3.00	%	2.00 - 10.00
Eosinophils	2.00	%	1.00 - 6.00
Basophils	0.00	%	<2.00
Absolute Leucocyte Count			
Neutrophils	3.36	thou/mm ³	2.00 - 7.00
Lymphocytes	2.44	thou/mm ³	1.00 - 3.00
Monocytes	0.18	thou/mm ³	0.20 - 1.00
Eosinophils	0.12	thou/mm ³	0.02 - 0.50
Basophils	0.00	thou/mm ³	0.01 - 0.10
Platelet Count	222.0	150,000 - 450,000	

Note

- As per the recommendation of International council for Standardization in Hematology, the differential leucocyte counts are additionally being reported as absolute numbers of each cell in per unit volume of blood
- Test conducted on EDTA whole blood



LPL - LPL-ROHINI (NATIONAL REFERENCE
LAB)
SECTOR - 18, BLOCK -E ROHINI
DELHI 110085

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Test Name	Results	Units	Bio. Ref. Interval
HEMOGLOBIN HPLC/ELECTROPHORESIS (HPLC)			
Hb F	1.20	%	<1.50
Peak 2	4.60	%	<9.60
Hb Adult	83.50	%	83.24 - 90.79
Hb A2	2.60	%	1.50 - 3.50
Others (Non Specific)	5.60	%	<10.00
Hemoglobin	13.40	g/dL	13.00 - 17.00
RBC Count	4.50	mill/mm3	4.50 - 5.50
Packed Cell Volume (PCV)	42.00	%	40.00 - 50.00
MCV	85.00	fL	80.00 - 100.00
MCH	28.00	pg	27.00 - 32.00
RDW	14.50	%	11.50 - 14.50

Suggestive Interpretation
Normal Hb chromatographic pattern
Suggestive Interpretation
Normal Hb Chromatographic Pattern.



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Test Name	Results	Units	Bio. Ref. Interval
IRON STUDIES, SERUM (Spectrophotometry)			
Iron	100.00	µg/dL	65.00 - 175.00
Total Iron Binding Capacity	389.00	µg/dL	250.00 - 425.00
Transferrin Saturation	25.71	%	20.00 - 50.00

Comments

Iron is an essential trace mineral element which forms an important component of hemoglobin, metallocompounds and Vitamin A. Deficiency of iron, leads to microcytic hypochromic anemia. The toxic effects of iron are deposition of iron in various organs of the body and hemochromatosis.

Total Iron Binding capacity (TIBC) is a direct measure of the protein Transferrin which transports iron from the gut to storage sites in the bone marrow. In iron deficiency anemia, serum iron is reduced and TIBC increases.

Transferrin Saturation occurs in Idiopathic hemochromatosis and Transfusional hemosiderosis where no unsaturated iron binding capacity is available for iron mobilization. Similar condition is seen in congenital deficiency of Transferrin.



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-----End of report -----

