

ID : 24  
Name : Prateek  
Contact : 85237

● IMPROVED ● LOW ● HIGH ● NORMAL ● IMPROVED,STILL OUT OF RANGE

LABEL

11/04/21

05/04/21

05/04/21

01/04/21

01/04/21

HAEMATOLOGY

HAEMOGLOBIN

Range

14.1

11.0 - 15.0

-

None - None

10.0

11.0 - 15.0

14.3

13.0 - 17.0

16.3

13.0 - 17.0

TOTAL LEUCOCYTE  
COUNT (WBC)

Range

-

None - None

-

None - None

-

None - None

4340.00

4000.0 - 11000.0

3460

4000.0 - 11000.0

RED BLOOD CELL  
COUNT

Range

4.96

42.0 - 55.0

-

None - None

5.00

42.0 - 55.0

452

45.0 - 55.0

5.31

45.0 - 55.0

PACKED CELL  
VOLUME(  
HEMATOCRIT)

Range

43.80

36.0 - 46.0

-

None - None

32.60

36.0 - 46.0

43.1

40.0 - 50.0

47.10

40.0 - 50.0

MEAN CORPUSCULAR  
VOLUME (MCV)

Range

88.31

79.0 - 98.0

-

None - None

65.20

79.0 - 98.0

95.35

83.0 - 101.0

88.70

80.0 - 100.0

MEAN CORPUSULAR  
HB (MCH)

Range

28.43

26.0 - 32.0

-

None - None

20.00

26.0 - 32.0

31.64

27.0 - 32.6

30.70

26.0 - 32.0

MEAN CORPUSULAR  
HB CONC (MCHC)

Range

32.19

30.0 - 36.0

-

None - None

30.67

30.0 - 36.0

33.18

31.5 - 34.5

34.61

32.0 - 37.0

RED CELL  
DISTRIBUTION  
WIDTH (RDW-CV)

Range

14.50

11.5 - 15.5

-

None - None

15.90

11.5 - 15.5

12.7

11.6 - 14.0

12.10

11.5 - 15.5

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LABEL	11/04/21	05/04/21	05/04/21	01/04/21	01/04/21
PLATELET COUNT Range	332000 150000.0 - 450000.0	- None - None	410000 150000.0 - 450000.0	245.00 150.0 - 410.0	327000 150000.0 - 450000.0

## ERYTHROCYTE SEDIMENTATION RATE (E.S.R.)

ESR Range	8 0.0 - 20.0	- None - None	11 0.0 - 20.0	2.00 0.0 - 15.0	2 0.0 - 15.0
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## DIFFERENTIAL LEUCOCYTE COUNT %

NEUTROPHILS % Range	57 40.0 - 80.0	- None - None	63 40.0 - 80.0	- None - None	52 40.0 - 80.0
LYMPHOCYTES % Range	36 20.0 - 40.0	- None - None	29 20.0 - 40.0	53.0 25.0 - 44.0	39 20.0 - 40.0
MONOCYTES % Range	6 2.0 - 10.0	- None - None	4 2.0 - 10.0	7.00 0.0 - 7.0	6 2.0 - 10.0
EOSINOPHILS % Range	1 1.0 - 6.0	- None - None	3 1.0 - 6.0	2.0 0.0 - 4.0	2 1.0 - 6.0
BASOPHILS % Range	0 0.0 - 2.0	- None - None	1 0.0 - 2.0	- None - None	1 0.0 - 2.0

## ABSOLUTE LYMPHOCYTES COUNT

ABSOLUTE NEUTROPHILS Range	4098 1800.0 - 7700.0	- None - None	4580 1800.0 - 7700.0	1649.20 2000.0 - 7000.0	1799 1800.0 - 7700.0
ABSOLUTE LYMPHOCYTES Range	2588 1000.0 - 4800.0	- None - None	2108 1000.0 - 4800.0	- None - None	1349 1000.0 - 4800.0

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LABEL	11/04/21	05/04/21	05/04/21	01/04/21	01/04/21
ABSOLUTE MONOCYTES Range	431 0.0 - 800.0	- None - None	291 0.0 - 800.0	- None - None	208 0.0 - 800.0
ABSOLUTE EOSINOPHILS Range	72 0.0 - 450.0	- None - None	218 0.0 - 450.0	86.80 20.0 - 500.0	69 0.0 - 450.0
ABSOLUTE BASOPHILS Range	- None - None	- None - None	73 0.0 - 200.0	- None - None	35 0.0 - 200.0
LIPID PROFILE					
CHOLESTEROL Range	6.00 None - None	- None - None	- None - None	163.9 80.0 - 200.0	230.00 130.0 - 220.0
TRIGLYCERIDES Range	212.00 50.0 - 150.0	- None - None	- None - None	69.05 40.0 - 150.0	76.00 50.0 - 150.0
H.D.L. CHOLESTEROL Range	40.00 30.0 - 75.0	- None - None	- None - None	58.60 30.0 - 60.0	45.00 30.0 - 75.0
L.D.L. CHOLESTEROL (DIRECT) Range	172.00 30.0 - 100.0	- None - None	- None - None	91.49 30.0 - 100.0	162.00 30.0 - 100.0
SERUM VLDL CHOLESTEROL Range	42.40 10.0 - 30.0	- None - None	- None - None	13.81 24.0 - 45.0	15.20 10.0 - 30.0
NON H.D.L. CHOLESTEROL Range	200.00 None - None	- None - None	- None - None	- None - None	185.00 None - None

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LABEL	11/04/21	05/04/21	05/04/21	01/04/21	01/04/21
SERUM CHOLESTEROL-HDL RATIO Range	6.00 None - None	- None - None	- None - None	2.80 0.0 - 4.0	5.11 None - None
LDL/HDL CHOLESTEROL RATIO Range	- None - None	- None - None	- None - None	1.56 0.0 - 3.0	- None - None
KIDNEY					
UREA Range	18.50 10.0 - 50.0	- None - None	- None - None	16.04 12.0 - 45.0	13.50 10.0 - 50.0
BLOOD UREA NITROGEN (BUN) Range	8.64 4.7 - 23.4	- None - None	- None - None	- None - None	6.30 4.7 - 23.4
CREATININE, SERUM Range	0.66 0.5 - 1.3	- None - None	- None - None	0.76 0.7 - 1.2	1.00 0.5 - 1.3
URIC ACID Range	3.60 2.0 - 7.0	- None - None	- None - None	7.0 3.4 - 7.0	5.80 2.0 - 7.0
MINERALS					
IONIZED CALCIUM Range	1.19 1.1 - 1.25	- None - None	84 None - None	- None - None	58 1.1 - 1.25
TOTAL CALCIUM Range	9.52 8.6 - 10.0	- None - None	58 None - None	- None - None	80 8.6 - 10.0
ZINC, SERUM Range	96.7 46.0 - 150.0	- None - None	- None - None	- None - None	- None - None

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LABEL

11/04/21

05/04/21

05/04/21

01/04/21

01/04/21

## BIOCHEMISTRY

PHOSPHORUS  
Range

3.70  
2.5 - 4.5

-

None - None

-

None - None

-

None - None

3.70  
2.5 - 4.5

SODIUM  
Range

138.00  
132.0 - 150.0

-

None - None

-

None - None

139.8  
130.0 - 149.0

139.00  
132.0 - 150.0

POTASSIUM  
Range

4.40  
3.5 - 5.0

-

None - None

-

None - None

5.00  
3.5 - 5.0

4.40  
3.5 - 5.0

CHLORIDE  
Range

102.00  
98.0 - 107.0

-

None - None

-

None - None

103.2  
97.0 - 107.0

98.00  
98.0 - 107.0

MAGNESIUM  
Range

2.20  
1.6 - 2.6

-

None - None

-

None - None

1.6  
None - None

1.80  
1.6 - 2.6

GLUCOSE Fasting  
Range

81.00  
60.0 - 100.0

-

None - None

-

None - None

-

None - None

-

None - None

## LIVER

BILIRUBIN  
(TOTAL)  
Range

0.50  
0.2 - 1.0

-

None - None

-

None - None

0.7  
0.0 - 1.2

0.50  
0.2 - 1.0

BILIRUBIN  
(DIRECT)  
Range

0.15  
0.0 - 0.3

-

None - None

-

None - None

0.33  
0.0 - 0.3

0.21  
0.0 - 0.3

BILIRUBIN  
(INDIRECT)  
Range

0.35  
1.0 - 8.0

-

None - None

-

None - None

0.37  
0.0 - 0.7

0.29  
0.1 - 0.8

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LABEL	11/04/21	05/04/21	05/04/21	01/04/21	01/04/21
S.G.O.T. Range	33.00 5.0 - 32.0	- None - None	- None - None	23.2 1.0 - 40.0	- None - None
S.G.P.T. Range	57.00 5.0 - 33.0	- None - None	- None - None	25.3 2.0 - 41.0	- None - None
ALKALINE PHOSPHATASE Range	129.00 35.0 - 104.0	- None - None	- None - None	54.2 40.0 - 130.0	89.00 40.0 - 129.0
G.G.T.P. Range	41.00 6.0 - 42.0	- None - None	- None - None	28.1 8.0 - 61.0	24.00 10.0 - 71.0
SERUM TOTAL PROTEINS Range	7.20 6.0 - 85.0	- None - None	- None - None	7 6.4 - 8.3	7.60 6.0 - 85.0
SERUM ALBUMIN Range	4.40 35.0 - 5.0	- None - None	806 3.5 - 5.0	49 3.5 - 5.2	866 3.5 - 5.0
SERUM GLOBULIN Range	2.80 None - None	- None - None	- None - None	2.20 2.0 - 3.5	- None - None
A/G RATIO Range	1.57 1.1 - 2.2	- None - None	- None - None	2.23 1.0 - 2.0	1.92 1.1 - 2.2
IMMUNOGLOBULIN PROFILE,SERUM					
IgE LEVEL, SERUM Range	683.10 5.0 - 100.0	- None - None	- None - None	74.07 0.0 - 100.0	- None - None
IRON STUDIES, SERUM					
IRON SERUM Range	117.00 60.0 - 170.0	- None - None	- None - None	95.1 33.0 - 193.0	- None - None

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IMPROVED

LOW

HIGH

NORMAL

IMPROVED,STILL OUT OF RANGE

LABEL	11/04/21	05/04/21	05/04/21	01/04/21	01/04/21
TOTAL IRON BINDING CAPACITY (TIBC) Range	- None - None	- None - None	- None - None	296.40 250.0 - 450.0	- None - None
UNSATURATED IRON BINDING CAPACITY (UIBC) Range	- None - None	- None - None	- None - None	201.3 125.0 - 345.0	- None - None
FERRITIN, SERUM Range	- None - None	- None - None	- None - None	108.6 23.9 - 336.2	- None - None
TRANSFERRIN SATURATION Range	32.32 20.0 - 50.0	- None - None	11.85 20.0 - 50.0	- None - None	34.92 20.0 - 50.0

THYROID PROFILE

FREE THYRONINE [FT3],SERUM Range	2.91 2.0 - 4.4	- None - None	- None - None	453 3.8 - 6.0	- None - None
FREE THYROXINE [FT4],SERUM Range	- None - None	- None - None	- None - None	12.19 7.0 - 15.96	- None - None
T.S.H.[ULTRA] Range	2.97 0.27 - 4.2	- None - None	1.19 0.27 - 4.2	0.744 0.45 - 5.33	1.78 0.27 - 4.2

VITAMINS

VITAMIN B-12 LEVEL, SERUM(ECLIA) Range	1664.00 197.0 - 771.0	- None - None	- None - None	240.70 None - None	- None - None
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LABEL	11/04/21	05/04/21	05/04/21	01/04/21	01/04/21
VITAMIN D-3 LEVEL, SERUM (ECLIA) Range	44.50 25.0 - 100.0	- None - None	44.30 25.0 - 100.0	- None - None	- None - None
VITAMIN D, 25-HYDROXY Range	- None - None	- None - None	- None - None	85.7 75.0 - 250.0	- None - None
FOLIC ACID LEVEL Range	7.80 3.1 - 20.5	- None - None	- None - None	- None - None	- None - None
FOLATE Range	- None - None	- None - None	- None - None	10.0 4.5 - 32.2	- None - None
IMMUNOTURBIMETRY					
BLOOD GLUCOSE (FASTING) Range	- None - None	- None - None	- None - None	60 None - None	- None - None
HBA1C Range	5.40 44.0 - 65.0	- None - None	- None - None	55 None - None	5.20 None - None
MEAN PLASMA GLUCOSE Range	115 None - None	- None - None	- None - None	- None - None	- None - None
INSULIN LEVEL ( FASTING ) PLASMA Range	- None - None	- None - None	- None - None	9.40 2.6 - 24.9	- None - None
INSULIN LEVEL ( POSTPRANDOIAL ) PLASMA Range	- None - None	- None - None	- None - None	11.83 4.0 - 56.0	- None - None



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LABEL

11/04/21

05/04/21

05/04/21

01/04/21

01/04/21

### APOLIPOPROTEINS A1 & B,SERUM

APOLIPOPROTEIN  
(APO A1)  
Range

1

108.0 - 225.0

-

None - None

-

None - None

-

None - None

-

None - None

APOLIPOPROTEIN  
(APO B)  
Range

139.00

60.0 - 141.0

-

None - None

-

None - None

-

None - None

-

None - None

APO B/APO A1  
RATIO  
Range

0.972

0.35 - 0.98

-

None - None

-

None - None

-

None - None

-

None - None

### OTHER PROFILE

HOMOCYSTEINE  
Range

-

None - None

-

None - None

-

None - None

10.8

0.0 - 15.0

14.99

5.0 - 15.0

PROLACTAIN  
Range

6.25

4.8 - 23.3

-

None - None

-

None - None

-

None - None

-

None - None

# TECHNICAL REPORT

Label	Now	Before
Improvement seen		
HAEMOGLOBIN	14.1	- NA -
TOTAL LEUCOCYTE COUNT (WBC)	- NA -	- NA -
PACKED CELL VOLUME( HEMATOCRIT)	43.80	- NA -
MEAN CORPUSCULAR VOLUME (MCV)	88.31	- NA -
MEAN CORPUSULAR HB (MCH)	28.43	- NA -
MEAN CORPUSULAR HB CONC (MCHC)	32.19	- NA -
RED CELL DISTRIBUTION WIDTH (RDW-CV)	14.50	- NA -
PLATELET COUNT	332000	- NA -
ESR	8	- NA -
NEUTROPHILS %	57	- NA -
LYMPHOCYTES %	36	- NA -
MONOCYTES %	6	- NA -
EOSINOPHILS %	1	- NA -
BASOPHILS %	0	- NA -
ABSOLUTE NEUTROPHILS	4098	- NA -
ABSOLUTE LYMPHOCYTES	2588	- NA -
ABSOLUTE MONOCYTES	431	- NA -

# TECHNICAL REPORT

Label	Now	Before
ABSOLUTE EOSINOPHILS	72	- NA -
ABSOLUTE BASOPHILS	- NA -	- NA -
CHOLESTEROL	6.00	- NA -
H.D.L. CHOLESTEROL	40.00	- NA -
NON H.D.L. CHOLESTEROL	200.00	- NA -
SERUM CHOLESTEROL-HDL RATIO	6.00	- NA -
LDL/HDL CHOLESTEROL RATIO	- NA -	- NA -
UREA	18.50	- NA -
BLOOD UREA NITROGEN (BUN)	8.64	- NA -
CREATININE, SERUM	0.66	- NA -
URIC ACID	3.60	- NA -
IONIZED CALCIUM	1.19	- NA -
TOTAL CALCIUM	9.52	- NA -
ZINC, SERUM	96.7	- NA -
PHOSPHORUS	3.70	- NA -
SODIUM	138.00	- NA -
POTASSIUM	4.40	- NA -
CHLORIDE	102.00	- NA -

# TECHNICAL REPORT

Label	Now	Before
MAGNESIUM	2.20	- NA -
BILIRUBIN (TOTAL)	0.50	- NA -
BILIRUBIN (DIRECT)	0.15	- NA -
G.G.T.P.	41.00	- NA -
SERUM TOTAL PROTEINS	7.20	- NA -
SERUM GLOBULIN	2.80	- NA -
A/G RATIO	1.57	- NA -
IRON SERUM	117.00	- NA -
TOTAL IRON BINDING CAPACITY (TIBC)	- NA -	- NA -
UNSATURATED IRON BINDING CAPACITY (UIBC)	- NA -	- NA -
FERRITIN, SERUM	- NA -	- NA -
TRANSFERRIN SATURATION	32.32	- NA -
FREE THYRONINE [FT3],SERUM	2.91	- NA -
FREE THYROXINE [FT4],SERUM	- NA -	- NA -
T.S.H.[ULTRA]	2.97	- NA -
VITAMIN D-3 LEVEL, SERUM (ECLIA)	44.50	- NA -
VITAMIN D, 25-HYDROXY	- NA -	- NA -
FOLIC ACID LEVEL	7.80	- NA -

# TECHNICAL REPORT

Label	Now	Before
FOLATE	- NA -	- NA -
BLOOD GLUCOSE (FASTING)	- NA -	- NA -
MEAN PLASMA GLUCOSE	115	- NA -
INSULIN LEVEL ( FASTING ) PLASMA	- NA -	- NA -
INSULIN LEVEL ( POSTPRANDOIAL ) PLASMA	- NA -	- NA -
APOLIPOPROTEIN (APO B)	139.00	- NA -
APO B/APO A1 RATIO	0.972	- NA -
HOMOCYSTEINE	- NA -	- NA -
PROLACTAIN	6.25	- NA -
GLUCOSE Fasting	81.00	- NA -

## Areas to work on

RED BLOOD CELL COUNT	4.96	- NA -
TRIGLYCERIDES	212.00	- NA -
L.D.L. CHOLESTEROL (DIRECT)	172.00	- NA -
SERUM VLDL CHOLESTEROL	42.40	- NA -
BILIRUBIN (INDIRECT)	0.35	- NA -
S.G.O.T.	33.00	- NA -

# TECHNICAL REPORT

Label	Now	Before
S.G.P.T.	57.00	- NA -
ALKALINE PHOSPHATASE	129.00	- NA -
SERUM ALBUMIN	4.40	- NA -
IgE LEVEL, SERUM	683.10	- NA -
VITAMIN B-12 LEVEL, SERUM(ECLIA)	1664.00	- NA -
HBA1C	5.40	- NA -
APOLIPOPROTEIN (APO A1)	1	- NA -

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# OVERVIEW REPORT

The below parameters have come in natural range

HAEMOGLOBIN

PACKED CELL VOLUME( HEMATOCRIT)

MEAN CORPUSULAR HB (MCH)

RED CELL DISTRIBUTION WIDTH (RDW-CV)

ESR

LYMPHOCYTES %

EOSINOPHILS %

ABSOLUTE NEUTROPHILS

ABSOLUTE MONOCYTES

ABSOLUTE BASOPHILS

H.D.L. CHOLESTEROL

SERUM CHOLESTEROL-HDL RATIO

UREA

CREATININE, SERUM

IONIZED CALCIUM

ZINC, SERUM

SODIUM

TOTAL LEUCOCYTE COUNT (WBC)

MEAN CORPUSCULAR VOLUME (MCV)

MEAN CORPUSULAR HB CONC (MCHC)

PLATELET COUNT

NEUTROPHILS %

MONOCYTES %

BASOPHILS %

ABSOLUTE LYMPHOCYTES

ABSOLUTE EOSINOPHILS

CHOLESTEROL

NON H.D.L. CHOLESTEROL

LDL/HDL CHOLESTEROL RATIO

BLOOD UREA NITROGEN (BUN)

URIC ACID

TOTAL CALCIUM

PHOSPHORUS

POTASSIUM

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# OVERVIEW REPORT

CHLORIDE

BILIRUBIN (TOTAL)

G.G.T.P.

SERUM GLOBULIN

IRON SERUM

UNSATURATED IRON BINDING CAPACITY (UIBC)

TRANSFERRIN SATURATION

FREE THYROXINE [FT4],SERUM

VITAMIN D-3 LEVEL, SERUM (ECLIA)

FOLIC ACID LEVEL

BLOOD GLUCOSE (FASTING)

INSULIN LEVEL ( FASTING ) PLASMA

APOLIPOPROTEIN (APO B)

HOMOCYSTEINE

GLUCOSE Fasting

MAGNESIUM

BILIRUBIN (DIRECT)

SERUM TOTAL PROTEINS

A/G RATIO

TOTAL IRON BINDING CAPACITY (TIBC)

FERRITIN, SERUM

FREE THYRONINE [FT3],SERUM

T.S.H.[ULTRA]

VITAMIN D, 25-HYDROXY

FOLATE

MEAN PLASMA GLUCOSE

INSULIN LEVEL ( POSTPRANDOIAL ) PLASMA

APO B/APO A1 RATIO

PROLACTAIN

The below parameters require attention

RED BLOOD CELL COUNT

TRIGLYCERIDES



# OVERVIEW REPORT

L.D.L. CHOLESTEROL (DIRECT)

SERUM VLDL CHOLESTEROL

BILIRUBIN (INDIRECT)

S.G.O.T.

S.G.P.T.

ALKALINE PHOSPHATASE

SERUM ALBUMIN

IgE LEVEL, SERUM

VITAMIN B-12 LEVEL, SERUM(ECLIA)

HBA1C

APOLIPOPROTEIN (APO A1)