

IMPROVED

LOW

HIGH

NORMAL

IMPROVED,STILL OUT OF RANGE

LABEL	17/04/21	11/04/21	05/04/21	05/04/21	01/04/21
HAEMATOLOGY					
HAEMOGLOBIN Range	16.3 13.0 - 17.0	14.1 11.0 - 15.0	- None - None	10.0 11.0 - 15.0	14.3 13.0 - 17.0
TOTAL LEUCOCYTE COUNT (WBC) Range	3460.0 4000.0 - 11000.0	- None - None	- None - None	- None - None	4340.0 4000.0 - 11000.0
RED BLOOD CELL COUNT Range	5.31 45.0 - 55.0	4.96 42.0 - 55.0	- None - None	5.0 42.0 - 55.0	452.0 45.0 - 55.0
PACKED CELL VOLUME( HEMATOCRIT) Range	47.1 40.0 - 50.0	43.8 36.0 - 46.0	- None - None	32.6 36.0 - 46.0	43.1 40.0 - 50.0
MEAN CORPUSCULAR VOLUME (MCV) Range	88.7 80.0 - 100.0	88.31 79.0 - 98.0	- None - None	65.2 79.0 - 98.0	95.35 83.0 - 101.0
MEAN CORPUSULAR HB (MCH) Range	30.7 26.0 - 32.0	28.43 26.0 - 32.0	- None - None	20.0 26.0 - 32.0	31.64 27.0 - 32.6
MEAN CORPUSULAR HB CONC (MCHC) Range	34.61 32.0 - 37.0	32.19 30.0 - 36.0	- None - None	30.67 30.0 - 36.0	33.18 31.5 - 34.5
RED CELL DISTRIBUTION WIDTH (RDW-CV) Range	12.1 11.5 - 15.5	14.5 11.5 - 15.5	- None - None	15.9 11.5 - 15.5	12.7 11.6 - 14.0

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LABEL	17/04/21	11/04/21	05/04/21	05/04/21	01/04/21
PLATELET COUNT Range	327000.0 150000.0 - 450000.0	332000.0 150000.0 - 450000.0	- None - None	410000.0 150000.0 - 450000.0	245.0 150.0 - 410.0

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

ESR Range	2.0 0.0 - 15.0	8.0 0.0 - 20.0	- None - None	11.0 0.0 - 20.0	2.0 0.0 - 15.0
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## DIFFERENTIAL LEUCOCYTE COUNT %

NEUTROPHILS % Range	52.0 40.0 - 80.0	57.0 40.0 - 80.0	- None - None	63.0 40.0 - 80.0	- None - None
LYMPHOCYTES % Range	39.0 20.0 - 40.0	36.0 20.0 - 40.0	- None - None	29.0 20.0 - 40.0	53.0 25.0 - 44.0
MONOCYTES % Range	6.0 2.0 - 10.0	6.0 2.0 - 10.0	- None - None	4.0 2.0 - 10.0	7.0 0.0 - 7.0
EOSINOPHILS % Range	2.0 1.0 - 6.0	1.0 1.0 - 6.0	- None - None	3.0 1.0 - 6.0	2.0 0.0 - 4.0
BASOPHILS % Range	1.0 0.0 - 2.0	0.0 0.0 - 2.0	- None - None	1.0 0.0 - 2.0	- None - None

## ABSOLUTE LYMPHOCYTES COUNT

ABSOLUTE NEUTROPHILS Range	1799.0 1800.0 - 7700.0	4098.0 1800.0 - 7700.0	- None - None	4580.0 1800.0 - 7700.0	1649.2 2000.0 - 7000.0
ABSOLUTE LYMPHOCYTES Range	1349.0 1000.0 - 4800.0	2588.0 1000.0 - 4800.0	- None - None	2108.0 1000.0 - 4800.0	- None - None

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LABEL	17/04/21	11/04/21	05/04/21	05/04/21	01/04/21
ABSOLUTE MONOCYTES Range	208.0 0.0 - 800.0	431.0 0.0 - 800.0	- None - None	291.0 0.0 - 800.0	- None - None
ABSOLUTE EOSINOPHILS Range	69.0 0.0 - 450.0	72.0 0.0 - 450.0	- None - None	218.0 0.0 - 450.0	86.8 20.0 - 500.0
ABSOLUTE BASOPHILS Range	35.0 0.0 - 200.0	- None - None	- None - None	73.0 0.0 - 200.0	- None - None
LIPID PROFILE					
CHOLESTEROL Range	230.0 130.0 - 220.0	6.0 None - None	- None - None	- None - None	163.9 80.0 - 200.0
TRIGLYCERIDES Range	76.0 50.0 - 150.0	212.0 50.0 - 150.0	- None - None	- None - None	69.05 40.0 - 150.0
H.D.L. CHOLESTEROL Range	45.0 30.0 - 75.0	40.0 30.0 - 75.0	- None - None	- None - None	58.6 30.0 - 60.0
L.D.L. CHOLESTEROL (DIRECT) Range	162.0 30.0 - 100.0	172.0 30.0 - 100.0	- None - None	- None - None	91.49 30.0 - 100.0
SERUM VLDL CHOLESTEROL Range	15.2 10.0 - 30.0	42.4 10.0 - 30.0	- None - None	- None - None	13.81 24.0 - 45.0
NON H.D.L. CHOLESTEROL Range	185.0 None - None	200.0 None - None	- None - None	- None - None	- None - None

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LABEL	17/04/21	11/04/21	05/04/21	05/04/21	01/04/21
SERUM CHOLESTEROL-HDL RATIO Range	5.11 None - None	6.0 None - None	- None - None	- None - None	2.8 0.0 - 4.0
LDL/HDL CHOLESTEROL RATIO Range	- None - None	- None - None	- None - None	- None - None	1.56 0.0 - 3.0
KIDNEY					
UREA Range	13.5 10.0 - 50.0	18.5 10.0 - 50.0	- None - None	- None - None	16.04 12.0 - 45.0
BLOOD UREA NITROGEN (BUN) Range	6.3 4.7 - 23.4	8.64 4.7 - 23.4	- None - None	- None - None	- None - None
CREATININE, SERUM Range	1.0 0.5 - 1.3	0.66 0.5 - 1.3	- None - None	- None - None	0.76 0.7 - 1.2
URIC ACID Range	5.8 2.0 - 7.0	3.6 2.0 - 7.0	- None - None	- None - None	7.0 3.4 - 7.0
MINERALS					
IONIZED CALCIUM Range	58.0 1.1 - 1.25	1.19 1.1 - 1.25	- None - None	84.0 None - None	- None - None
TOTAL CALCIUM Range	80.0 8.6 - 10.0	9.52 8.6 - 10.0	- None - None	58.0 None - None	- None - None
ZINC, SERUM Range	- None - None	96.7 46.0 - 150.0	- None - None	- None - None	- None - None

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LABEL

17/04/21

11/04/21

05/04/21

05/04/21

01/04/21

BIOCHEMISTRY

PHOSPHORUS

Range

3.7

2.5 - 4.5

3.7

2.5 - 4.5

-

None - None

-

None - None

-

None - None

SODIUM

Range

139.0

132.0 - 150.0

138.0

132.0 - 150.0

-

None - None

-

None - None

139.8

130.0 - 149.0

POTASSIUM

Range

4.4

3.5 - 5.0

4.4

3.5 - 5.0

-

None - None

-

None - None

5.0

3.5 - 5.0

CHLORIDE

Range

98.0

98.0 - 107.0

102.0

98.0 - 107.0

-

None - None

-

None - None

103.2

97.0 - 107.0

MAGNESIUM

Range

1.8

1.6 - 2.6

2.2

1.6 - 2.6

-

None - None

-

None - None

1.6

None - None

GLUCOSE Fasting

Range

94.0

60.0 - 100.0

81.0

60.0 - 100.0

-

None - None

-

None - None

-

None - None

LIVER

BILIRUBIN

(TOTAL)

Range

0.5

0.2 - 1.0

0.5

0.2 - 1.0

-

None - None

-

None - None

0.7

0.0 - 1.2

BILIRUBIN

(DIRECT)

Range

0.21

0.0 - 0.3

0.15

0.0 - 0.3

-

None - None

-

None - None

0.33

0.0 - 0.3

BILIRUBIN

(INDIRECT)

Range

0.29

0.1 - 0.8

0.35

1.0 - 8.0

-

None - None

-

None - None

0.37

0.0 - 0.7

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LABEL	17/04/21	11/04/21	05/04/21	05/04/21	01/04/21
S.G.O.T. Range	- None - None	33.0 5.0 - 32.0	- None - None	- None - None	23.2 1.0 - 40.0
S.G.P.T. Range	- None - None	57.0 5.0 - 33.0	- None - None	- None - None	25.3 2.0 - 41.0
ALKALINE PHOSPHATASE Range	89.0 40.0 - 129.0	129.0 35.0 - 104.0	- None - None	- None - None	54.2 40.0 - 130.0
G.G.T.P. Range	24.0 10.0 - 71.0	41.0 6.0 - 42.0	- None - None	- None - None	28.1 8.0 - 61.0
SERUM TOTAL PROTEINS Range	7.6 6.0 - 85.0	7.2 6.0 - 85.0	- None - None	- None - None	7.0 6.4 - 8.3
SERUM ALBUMIN Range	866.0 3.5 - 5.0	4.4 35.0 - 5.0	- None - None	806.0 3.5 - 5.0	49.0 3.5 - 5.2
SERUM GLOBULIN Range	2.6 None - None	2.8 None - None	- None - None	- None - None	2.2 2.0 - 3.5
A/G RATIO Range	1.92 1.1 - 2.2	1.57 1.1 - 2.2	- None - None	- None - None	2.23 1.0 - 2.0
IMMUNOGLOBULIN PROFILE,SERUM					
IgE LEVEL, SERUM Range	37.75 5.0 - 100.0	683.1 5.0 - 100.0	- None - None	- None - None	74.07 0.0 - 100.0
IRON STUDIES, SERUM					
IRON SERUM Range	110.0 60.0 - 170.0	117.0 60.0 - 170.0	- None - None	- None - None	95.1 33.0 - 193.0

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LABEL	17/04/21	11/04/21	05/04/21	05/04/21	01/04/21
TOTAL IRON BINDING CAPACITY (TIBC) Range	- None - None	- None - None	- None - None	- None - None	296.4 250.0 - 450.0
UNSATURATED IRON BINDING CAPACITY (UIBC) Range	- None - None	- None - None	- None - None	- None - None	201.3 125.0 - 345.0
FERRITIN, SERUM Range	151.4 None - None	- None - None	- None - None	- None - None	108.6 23.9 - 336.2
TRANSFERRIN SATURATION Range	34.92 20.0 - 50.0	32.32 20.0 - 50.0	- None - None	11.85 20.0 - 50.0	- None - None

## THYROID PROFILE

FREE THYRONINE [FT3],SERUM Range	- None - None	2.91 2.0 - 4.4	- None - None	- None - None	453.0 3.8 - 6.0
FREE THYROXINE [FT4],SERUM Range	1.48 0.93 - 1.7	- None - None	- None - None	- None - None	12.19 7.0 - 15.96
T.S.H.[ULTRA] Range	1.78 0.27 - 4.2	2.97 0.27 - 4.2	- None - None	1.19 0.27 - 4.2	0.744 0.45 - 5.33

## VITAMINS

VITAMIN B-12 LEVEL, SERUM(ECLIA) Range	- None - None	1664.0 197.0 - 771.0	- None - None	- None - None	240.7 None - None
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LABEL	17/04/21	11/04/21	05/04/21	05/04/21	01/04/21
VITAMIN D-3 LEVEL, SERUM (ECLIA) Range	- None - None	44.5 25.0 - 100.0	- None - None	44.3 25.0 - 100.0	- None - None
VITAMIN D, 25-HYDROXY Range	- None - None	- None - None	- None - None	- None - None	85.7 75.0 - 250.0
FOLIC ACID LEVEL Range	- None - None	7.8 3.1 - 20.5	- None - None	- None - None	- None - None
FOLATE Range	- None - None	- None - None	- None - None	- None - None	10.0 4.5 - 32.2
IMMUNOTURBIMETRY					
BLOOD GLUCOSE (FASTING) Range	- None - None	- None - None	- None - None	- None - None	60.0 None - None
HBA1C Range	5.2 None - None	5.4 44.0 - 65.0	- None - None	- None - None	55.0 None - None
MEAN PLASMA GLUCOSE Range	- None - None	115.0 None - None	- None - None	- None - None	- None - None
INSULIN LEVEL ( FASTING ) PLASMA Range	- None - None	- None - None	- None - None	- None - None	9.4 2.6 - 24.9
INSULIN LEVEL ( POSTPRANDOIAL ) PLASMA Range	- None - None	- None - None	- None - None	- None - None	11.83 4.0 - 56.0



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LABEL

17/04/21

11/04/21

05/04/21

05/04/21

01/04/21

### APOLIPOPROTEINS A1 & B,SERUM

APOLIPOPROTEIN  
(APO A1)  
Range

-

None - None

1.0

108.0 - 225.0

-

None - None

-

None - None

-

None - None

APOLIPOPROTEIN  
(APO B)  
Range

-

None - None

139.0

60.0 - 141.0

-

None - None

-

None - None

-

None - None

APO B/APO A1  
RATIO  
Range

-

None - None

0.972

0.35 - 0.98

-

None - None

-

None - None

-

None - None

### OTHER PROFILE

HOMOCYSTEINE  
Range

14.99

5.0 - 15.0

-

None - None

-

None - None

-

None - None

10.8

0.0 - 15.0

PROLACTAIN  
Range

7.42

4.0 - 15.2

6.25

4.8 - 23.3

-

None - None

-

None - None

-

None - None

# TECHNICAL REPORT

Label	Now	Before
Improvement seen		
HAEMOGLOBIN	16.3	14.1
PACKED CELL VOLUME( HEMATOCRIT)	47.1	43.8
MEAN CORPUSCULAR VOLUME (MCV)	88.7	88.31
MEAN CORPUSULAR HB (MCH)	30.7	28.43
MEAN CORPUSULAR HB CONC (MCHC)	34.61	32.19
RED CELL DISTRIBUTION WIDTH (RDW-CV)	12.1	14.5
PLATELET COUNT	327000.0	332000.0
ESR	2.0	8.0
NEUTROPHILS %	52.0	57.0
LYMPHOCYTES %	39.0	36.0
MONOCYTES %	6.0	6.0
EOSINOPHILS %	2.0	1.0
BASOPHILS %	1.0	0.0
ABSOLUTE LYMPHOCYTES	1349.0	2588.0
ABSOLUTE MONOCYTES	208.0	431.0
ABSOLUTE EOSINOPHILS	69.0	72.0
ABSOLUTE BASOPHILS	35.0	- NA -

# TECHNICAL REPORT

Label	Now	Before
TRIGLYCERIDES	76.0	212.0
H.D.L. CHOLESTEROL	45.0	40.0
SERUM VLDL CHOLESTEROL	15.2	42.4
NON H.D.L. CHOLESTEROL	185.0	200.0
SERUM CHOLESTEROL-HDL RATIO	5.11	6.0
LDL/HDL CHOLESTEROL RATIO	- NA -	- NA -
UREA	13.5	18.5
BLOOD UREA NITROGEN (BUN)	6.3	8.64
CREATININE, SERUM	1.0	0.66
URIC ACID	5.8	3.6
ZINC, SERUM	- NA -	96.7
PHOSPHORUS	3.7	3.7
SODIUM	139.0	138.0
POTASSIUM	4.4	4.4
CHLORIDE	98.0	102.0
MAGNESIUM	1.8	2.2
BILIRUBIN (TOTAL)	0.5	0.5
BILIRUBIN (DIRECT)	0.21	0.15

# TECHNICAL REPORT

Label	Now	Before
BILIRUBIN (INDIRECT)	0.29	0.35
S.G.O.T.	- NA -	33.0
S.G.P.T.	- NA -	57.0
ALKALINE PHOSPHATASE	89.0	129.0
G.G.T.P.	24.0	41.0
SERUM TOTAL PROTEINS	7.6	7.2
SERUM GLOBULIN	2.6	2.8
A/G RATIO	1.92	1.57
IgE LEVEL, SERUM	37.75	683.1
IRON SERUM	110.0	117.0
TOTAL IRON BINDING CAPACITY (TIBC)	- NA -	- NA -
UNSATURATED IRON BINDING CAPACITY (UIBC)	- NA -	- NA -
FERRITIN, SERUM	151.4	- NA -
TRANSFERRIN SATURATION	34.92	32.32
FREE THYRONINE [FT3],SERUM	- NA -	2.91
FREE THYROXINE [FT4],SERUM	1.48	- NA -
T.S.H.[ULTRA]	1.78	2.97
VITAMIN B-12 LEVEL, SERUM(ECLIA)	- NA -	1664.0

# TECHNICAL REPORT

Label	Now	Before
VITAMIN D-3 LEVEL, SERUM (ECLIA)	- NA -	44.5
VITAMIN D, 25-HYDROXY	- NA -	- NA -
FOLIC ACID LEVEL	- NA -	7.8
FOLATE	- NA -	- NA -
BLOOD GLUCOSE (FASTING)	- NA -	- NA -
HBA1C	5.2	5.4
MEAN PLASMA GLUCOSE	- NA -	115.0
INSULIN LEVEL ( FASTING ) PLASMA	- NA -	- NA -
INSULIN LEVEL ( POSTPRANDOIAL ) PLASMA	- NA -	- NA -
APOLIPOPROTEIN (APO A1)	- NA -	1.0
APOLIPOPROTEIN (APO B)	- NA -	139.0
APO B/APO A1 RATIO	- NA -	0.972
HOMOCYSTEINE	14.99	- NA -
PROLACTAIN	7.42	6.25
GLUCOSE Fasting	94.0	81.0
More improvement needed		
L.D.L. CHOLESTEROL (DIRECT)	162.0	172.0

# TECHNICAL REPORT

Label	Now	Before
Areas to work on		
TOTAL LEUCOCYTE COUNT (WBC)	3460.0	- NA -
RED BLOOD CELL COUNT	5.31	4.96
ABSOLUTE NEUTROPHILS	1799.0	4098.0
CHOLESTEROL	230.0	6.0
IONIZED CALCIUM	58.0	1.19
TOTAL CALCIUM	80.0	9.52
SERUM ALBUMIN	866.0	4.4

# OVERVIEW REPORT

The below parameters have come in natural range

HAEMOGLOBIN

MEAN CORPUSCULAR VOLUME (MCV)

MEAN CORPUSULAR HB CONC (MCHC)

PLATELET COUNT

NEUTROPHILS %

MONOCYTES %

BASOPHILS %

ABSOLUTE MONOCYTES

ABSOLUTE BASOPHILS

H.D.L. CHOLESTEROL

NON H.D.L. CHOLESTEROL

LDL/HDL CHOLESTEROL RATIO

BLOOD UREA NITROGEN (BUN)

URIC ACID

PHOSPHORUS

POTASSIUM

MAGNESIUM

PACKED CELL VOLUME( HEMATOCRIT)

MEAN CORPUSULAR HB (MCH)

RED CELL DISTRIBUTION WIDTH (RDW-CV)

ESR

LYMPHOCYTES %

EOSINOPHILS %

ABSOLUTE LYMPHOCYTES

ABSOLUTE EOSINOPHILS

TRIGLYCERIDES

SERUM VLDL CHOLESTEROL

SERUM CHOLESTEROL-HDL RATIO

UREA

CREATININE, SERUM

ZINC, SERUM

SODIUM

CHLORIDE

BILIRUBIN (TOTAL)

# OVERVIEW REPORT

BILIRUBIN (DIRECT)

S.G.O.T.

ALKALINE PHOSPHATASE

SERUM TOTAL PROTEINS

A/G RATIO

IRON SERUM

UNSATURATED IRON BINDING CAPACITY (UIBC)

TRANSFERRIN SATURATION

FREE THYROXINE [FT4],SERUM

VITAMIN B-12 LEVEL, SERUM(ECLIA)

VITAMIN D, 25-HYDROXY

FOLATE

HBA1C

INSULIN LEVEL ( FASTING ) PLASMA

APOLIPOPROTEIN (APO A1)

APO B/APO A1 RATIO

PROLACTAIN

BILIRUBIN (INDIRECT)

S.G.P.T.

G.G.T.P.

SERUM GLOBULIN

IgE LEVEL, SERUM

TOTAL IRON BINDING CAPACITY (TIBC)

FERRITIN, SERUM

FREE THYRONINE [FT3],SERUM

T.S.H.[ULTRA]

VITAMIN D-3 LEVEL, SERUM (ECLIA)

FOLIC ACID LEVEL

BLOOD GLUCOSE (FASTING)

MEAN PLASMA GLUCOSE

INSULIN LEVEL ( POSTPRANDOIAL ) PLASMA

APOLIPOPROTEIN (APO B)

HOMOCYSTEINE

GLUCOSE Fasting

The below parameters have improved from before



# OVERVIEW REPORT

L.D.L. CHOLESTEROL (DIRECT)

The below parameters require attention

TOTAL LEUCOCYTE COUNT (WBC)

RED BLOOD CELL COUNT

ABSOLUTE NEUTROPHILS

CHOLESTEROL

IONIZED CALCIUM

TOTAL CALCIUM

SERUM ALBUMIN