### Thyrocare,

5CA-711, 3rd Floor, HRBR 2nd Block, Hennur, Bengaluru-560043



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# 9 out of 10 Doctors Trust that Thyrocare Reports are Accurate & Reliable

: B G MANJUNATHA SWAMY(56Y/M) NAME

**HOME COLLECTION:** 

**REF. BY** : DR. NO 81 AND 82 SRI HOME MARUTI NIVASA SECOND CROSS RAMASAMY REDDY LAYOUT BEHIND MAHARAJA

: COMPLETE HEALTH CHECK WITH VITAMINS,FBS **TEST ASKED** 

FURNITURE OUTER RING ROAD BANWADI 560043

### **Summary Report**

Tests outside reference range						
TEST NAME	OBSERVED VALUE	UNITS	Bio. Ref. Interval.			
CARDIAC RISK MARKERS						
LIPOPROTEIN (A) [LP(A)]	52	mg/dL	< 30			
COMPLETE HEMOGRAM						
EOSINOPHILS	8.6	%	1-6			
EOSINOPHILS - ABSOLUTE COUNT	0.71	$X~10^3$ / $\mu L$	0.02 - 0.5			
LIPID						
HDL CHOLESTEROL - DIRECT	37	mg/dL	40-60			
TRIG / HDL RATIO	4.83	Ratio	< 3.12			
TRIGLYCERIDES	178	mg/dL	< 150			
RENAL						
EST. GLOMERULAR FILTRATION RATE (eGFR)	76	mL/min/1.73 m2	>= 90			
TOXIC ELEMENTS						
BERYLLIUM	0.04	μg/L	0.10 - 0.80			
VITAMINS						
25-OH VITAMIN D (TOTAL)	24.6	ng/mL	30-100			

REF. BY

**TEST ASKED** 





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# 9 out of 10 Doctors Trust that Thyrocare Reports are Accurate & Reliable

: B G MANJUNATHA SWAMY(56Y/M) NAME

: DR.

: BLOOD SUGAR (F), COMPLETE HEALTH CHECK WITH

**VITAMINS** 

**HOME COLLECTION:** 

NO 81 AND 82 SRI HOME MARUTI NIVASA SECOND CROSS RAMASAMY REDDY LAYOUT BEHIND MAHARAJA FURNITURE OUTER RING ROAD BANWADI 560043

TEST NAME	TECHNOLOGY	VALUE	UNITS	Bio. Ref. Interval.
ARSENIC	ICP-MS	0.57	μg/L	< 5
CADMIUM	ICP-MS	0.2	μg/L	< 1.5
MERCURY	ICP-MS	0.44	μg/L	< 5
LEAD	ICP-MS	31.14	μg/L	< 150
CHROMIUM	ICP-MS	4.44	μg/L	< 30
BARIUM	ICP-MS	2.97	μg/L	< 30
COBALT	ICP-MS	0.86	μg/L	0.10 - 1.50
CAESIUM	ICP-MS	2.43	μg/L	< 5
THALLIUM	ICP-MS	0.05	μg/L	< 1
URANIUM	ICP-MS	0.06	μg/L	< 1
STRONTIUM	ICP-MS	23.31	μg/L	8 - 38
ANTIMONY	ICP-MS	6.78	μg/L	0.10 - 18
TIN	ICP-MS	0.47	μg/L	< 2
MOLYBDENUM	ICP-MS	1.74	μg/L	0.70 - 4.0
SILVER	ICP-MS	0.84	μg/L	< 4
VANADIUM	ICP-MS	0.2	μg/L	< 0.8
BERYLLIUM	ICP-MS	0.04	μg/L	0.10 - 0.80
BISMUTH	ICP-MS	0.12	μg/L	0.10 - 0.80
SELENIUM	ICP-MS	146.09	μg/L	60 - 340
ALUMINIUM	ICP-MS	19.59	μg/L	< 30
NICKEL	ICP-MS	3.44	μg/L	< 15
MANGANESE	ICP-MS	18.37	μg/L	7.10 - 20

Please correlate with clinical conditions.

### Method:

ICP - MASS SPECTROMETRY

Note: Reference range has been obtained after considering 95% population as cutoff.

Sample Collected on (SCT) Sample Received on (SRT) Report Released on (RRT)

**Sample Type** 

Labcode **Barcode** 



: 20 Mar 2024 07:45

: 20 Mar 2024 10:01

: 20 Mar 2024 19:58

: EDTA

. BL543214

: 2003065596/PP015

Dr Syeda Sumaiya MD(Path)

Dr. Ashwin Mathew MD(Path)

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REF. BY : DR.

**TEST ASKED** 

: BLOOD SUGAR (F), COMPLETE HEALTH CHECK WITH

**VITAMINS** 

**HOME COLLECTION:** 

NO 81 AND 82 SRI HOME MARUTI NIVASA SECOND CROSS RAMASAMY REDDY LAYOUT BEHIND MAHARAJA FURNITURE OUTER RING

ROAD BANWADI 560043

TEST NAME	TECHNOLOGY	VALUE	UNITS
HbA1c - (HPLC)			
	H.P.L.C	5.6	%

Bio. Ref. Interval.:

Bio. Ref. Interval.: As per ADA Guidelines

Below 5.7% : Normal 5.7% - 6.4% : Prediabetic >=6.5%

: Diabetic

**Guidance For Known Diabetics** 

Below 6.5%: Good Control 6.5% - 7% : Fair Control

7.0% - 8% : Unsatisfactory Control

: Poor Control >8%

Method: Fully Automated H.P.L.C method

AVERAGE BLOOD GLUCOSE (ABG) **CALCULATED** 114 mg/dL

Bio. Ref. Interval.:

90 - 120 mg/dl : Good Control 121 - 150 mg/dl : Fair Control

151 - 180 mg/dl: Unsatisfactory Control

> 180 mg/dl : Poor Control

Method: Derived from HBA1c values

Please correlate with clinical conditions.

Sample Collected on (SCT) :20 Mar 2024 07:45

Sample Received on (SRT) : 20 Mar 2024 10:01 Report Released on (RRT) : 20 Mar 2024 19:58

**Sample Type** : EDTA

**Barcode** 

Labcode :2003065596/PP015

: BL543214

Dr Syeda Sumaiya MD(Path)

Dr. Ashwin Mathew MD(Path)

Page: 2 of 18

### **PROCESSED AT:** Thyrocare,

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**NAME** : B G MANJUNATHA SWAMY(56Y/M)

**REF. BY** DR.

: BLOOD SUGAR (F), COMPLETE HEALTH CHECK WITH **TEST ASKED** 

**VITAMINS** 

**HOME COLLECTION:** 

NO 81 AND 82 SRI HOME MARUTI NIVASA SECOND CROSS RAMASAMY REDDY LAYOUT BEHIND MAHARAJA FURNITURE OUTER RING

ROAD BANWADI 560043

TEST NAME	METHODOLOGY	VALUE	UNITS	Bio. Ref. Interva
TOTAL LEUCOCYTES COUNT (WBC)	HF & FC	8.3	X 10 <sup>3</sup> / μL	4.0 - 10.0
NEUTROPHILS	Flow Cytometry	55.2	%	40-80
LYMPHOCYTE	Flow Cytometry	32.3	%	20-40
MONOCYTES	Flow Cytometry	3.1	%	2-10
EOSINOPHILS	Flow Cytometry	8.6	%	1-6
BASOPHILS	Flow Cytometry	0.5	%	0-2
IMMATURE GRANULOCYTE PERCENTAGE(IG%)	Flow Cytometry	0.3	%	0-0.5
NEUTROPHILS - ABSOLUTE COUNT	Calculated	4.58	X 10 <sup>3</sup> / μL	2.0-7.0
LYMPHOCYTES - ABSOLUTE COUNT	Calculated	2.68	X 10 <sup>3</sup> / μL	1.0-3.0
MONOCYTES - ABSOLUTE COUNT	Calculated	0.26	X 10 <sup>3</sup> / μL	0.2 - 1.0
BASOPHILS - ABSOLUTE COUNT	Calculated	0.04	X 10 <sup>3</sup> / μL	0.02 - 0.1
EOSINOPHILS - ABSOLUTE COUNT	Calculated	0.71	X 10³ / μL	0.02 - 0.5
IMMATURE GRANULOCYTES(IG)	Calculated	0.03	X 10 <sup>3</sup> / μL	0-0.3
TOTAL RBC	HF & EI	5.5	X 10^6/μL	4.5-5.5
NUCLEATED RED BLOOD CELLS	Calculated	0.01	X 10 <sup>3</sup> / μL	0.0-0.5
NUCLEATED RED BLOOD CELLS %	Flow Cytometry	0.01	%	0.0-5.0
HEMOGLOBIN	SLS-Hemoglobin Method	15.3	g/dL	13.0-17.0
HEMATOCRIT(PCV)	Calculated	46	%	40.0-50.0
MEAN CORPUSCULAR VOLUME(MCV)	Calculated	83.6	fL	83.0-101.0
MEAN CORPUSCULAR HEMOGLOBIN(MCH)	Calculated	27.8	pq	27.0-32.0
MEAN CORP.HEMO.CONC(MCHC)	Calculated	33.3	g/dL	31.5-34.5
RED CELL DISTRIBUTION WIDTH - SD(RDW-SD)	Calculated	39.1	fL	39-46
RED CELL DISTRIBUTION WIDTH (RDW-CV)	Calculated	12.9	%	11.6-14
PLATELET DISTRIBUTION WIDTH(PDW)	Calculated	13.6	fL	9.6-15.2
MEAN PLATELET VOLUME(MPV)	Calculated	10.9	fL	6.5-12
PLATELET COUNT	HF & EI	180	X 10³ / μL	150-410
PLATELET TO LARGE CELL RATIO(PLCR)	Calculated	33.2	%	19.7-42.4
PLATELETCRIT(PCT)	Calculated	0.2	%	0.19-0.39

Alert!!! Predominantly normocytic normochromic with ovalocytes. Platelets: Appear adequate in smear.

Please Correlate with clinical conditions.

Method: Fully automated bidirectional analyser (6 Part Differential SYSMEX XN-1000)

(Reference: \*FC- flowcytometry, \*HF- hydrodynamic focussing, \* EI - Electric Impedence, \*Hb-hemoglobin)

Sample Collected on (SCT) .20 Mar 2024 07:45

20 Mar 2024 10:01 Sample Received on (SRT) 20 Mar 2024 19:58 Report Released on (RRT)

**Sample Type** . EDTA

: 2003065596/PP015 Labcode

Dr Syeda Sumaiya MD(Path)

**Barcode** : BL543214

Dr.Ashwin Mathew MD(Path)

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# 9 out of 10 Doctors Trust that Thyrocare Reports are Accurate & Reliable

NAME : B G MANJUNATHA SWAMY(56Y/M)

**REF. BY** : DR.

**TEST ASKED** : BLOOD SUGAR (F), COMPLETE HEALTH CHECK WITH

**VITAMINS** 

**HOME COLLECTION:** 

NO 81 AND 82 SRI HOME MARUTI NIVASA SECOND CROSS RAMASAMY REDDY LAYOUT BEHIND MAHARAJA FURNITURE OUTER RING ROAD

**BANWADI 560043** 

TEST NAME	METHODOLOGY	VALUE	UNITS	Bio. Ref. Interva
Complete Urinogram				
Physical Examination				
VOLUME	Visual Determination	3	mL	-
COLOUR	Visual Determination	PALE YELLOW	-	Pale Yellow
APPEARANCE	Visual Determination	CLEAR	-	Clear
SPECIFIC GRAVITY	pKa change	1.01	-	1.003-1.030
PH	pH indicator	6	-	5-8
Chemical Examination				
URINARY PROTEIN	Protein error	ABSENT	mg/dL	Absent
URINARY GLUCOSE	GOD-POD	ABSENT	mg/dL	Absent
URINE KETONE	Nitroprusside	ABSENT	mg/dL	Absent
URINARY BILIRUBIN	Diazo coupling	ABSENT	mg/dL	Absent
UROBILINOGEN	Diazo coupling	Normal	mg/dL	<=0.2
BILE SALT	Hays sulphur	ABSENT	-	Absent
BILE PIGMENT	Ehrlich reaction	ABSENT	-	Absent
URINE BLOOD	Peroxidase reaction	ABSENT	-	Absent
NITRITE	Diazo coupling	ABSENT	-	Absent
LEUCOCYTE ESTERASE	Esterase reaction	ABSENT	-	Absent
Microscopic Examination				
MUCUS	Microscopy	ABSENT	-	Absent
RED BLOOD CELLS	Microscopy	ABSENT	cells/HPF	0-5
URINARY LEUCOCYTES (PUS CELLS)	Microscopy	ABSENT	cells/HPF	0-5
EPITHELIAL CELLS	Microscopy	ABSENT	cells/HPF	0-5
CASTS	Microscopy	ABSENT	-	Absent
CRYSTALS	Microscopy	ABSENT	-	Absent
BACTERIA	Microscopy	ABSENT	-	Absent
YEAST	Microscopy	ABSENT	-	Absent
PARASITE	Microscopy	ABSENT	-	Absent

Method: Automated Urine dipstick, image analysis and manual microscopy

Sample Collected on (SCT) : 20 Mar 2024 07:45

Sample Received on (SRT) : 20 Mar 2024 10:57 Report Released on (RRT) : 20 Mar 2024 12:40

**Sample Type** : URINE

Labcode : 2003067716/PP015

**Barcode** : BS830414

Dr Syeda Sumaiya MD(Path)

Dr. Ashwin Mathew MD(Path)

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: B G MANJUNATHA SWAMY(56Y/M) NAME

**REF. BY** : DR.

: BLOOD SUGAR (F), COMPLETE HEALTH CHECK **TEST ASKED** 

WITH VITAMINS

**HOME COLLECTION:** 

NO 81 AND 82 SRI HOME MARUTI NIVASA SECOND CROSS RAMASAMY REDDY LAYOUT BEHIND MAHARAJA FURNITURE OUTER RING ROAD

**BANWADI 560043** 

TEST NAME	TECHNOLOGY	VALUE	UNITS
CARCINO EMBRYONIC ANTIGEN (CEA)	C.L.I.A	1.96	ng/mL

Bio. Ref. Interval. :-

Non-Smokers: < 2.50 ng/mL Smokers : < 5.00 ng/mL

Clinical Significance:

CEA is often used to monitor patients with cancers of the gastrointestinal tract (GI). Increased CEA levels can indicate some Non-Cancer related conditions, Such as some forms of inflammation, Cirrhosis, and Peptic Ulcer. Also, Smokers tend to have Higher CEA levels than Non-Smokers. When cancer spreads to other organs, CEA levels rise and may be present in other types of bodily fluids besides blood.

For Diagnostic Purpose, Results should always be assessed in Conjunction with the patients medical history, clinical examination and other findings.

Specifications:

Precision: Intra Assay (%CV): 3.6 %, Inter Assay (%CV): 4.1 %; Sensitivity: 0.5 ng/ml

Kit Validation References:

Statland Be, Winkel P. Neoplasia. In: Kaplan LA, Resc AJ, Editors. Clinical Chemistry, Theory, Analysis and Correlation. 2nd Ed. St. Louis: Cv Mosby, 1989.p 734-5.

### Please correlate with clinical conditions.

Method:-FULLY AUTOMATED TWO STEP SANDWICH IMMUNOASSAY

Sample Collected on (SCT) : 20 Mar 2024 07:45 : 20 Mar 2024 10:05 Sample Received on (SRT) Report Released on (RRT) : 20 Mar 2024 13:30

. SERUM Sample Type

: 2003065863/PP015 Labcode

Dr Syeda Sumaiya MD(Path)

Dr. Ashwin Mathew MD(Path)

: BV231894 **Barcode** Page: 5 of 18

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**TEST ASKED** : BLOOD SUGAR (F), COMPLETE HEALTH CHECK WITH

**HOME COLLECTION:** 

NO 81 AND 82 SRI HOME MARUTI NIVASA SECOND CROSS RAMASAMY REDDY LAYOUT BEHIND MAHARAJA FURNITURE OUTER RING

ROAD BANWADI 560043

TEST NAME	TECHNOLOGY	VALUE	UNITS
25-OH VITAMIN D (TOTAL)	E.C.L.I.A	24.6	ng/mL

Bio. Ref. Interval.:

Deficiency: <=20 ng/ml || Insufficiency: 21-29 ng/ml Sufficiency : >= 30 ng/ml || Toxicity : >100 ng/ml

### Clinical Significance:

Vitamin D is a fat soluble vitamin that has been known to help the body absorb and retain calcium and phosphorous; both are critical for building bone health.

Decrease in vitamin D total levels indicate inadequate exposure of sunlight, dietary deficiency, nephrotic syndrome.

Increase in vitamin D total levels indicate Vitamin D intoxication.

Specifications: Precision: Intra assay (%CV):9.20%, Inter assay (%CV):8.50%

Kit Validation Reference: Holick M. Vtamin D the underappreciated D-Lightful hormone that is important for Skeletal

and cellular health Curr Opin Endocrinol Diabetes 2002:9(1)87-98.

Method: Fully Automated Electrochemiluminescence Compititive Immunoassay

VITAMIN B-12 E.C.L.I.A 393 pg/mL

Bio. Ref. Interval.: Normal: 197-771 pg/ml

#### Clinical significance:

Vitamin B12 or cyanocobalamin, is a complex corrinoid compound found exclusively from animal dietary sources, such as meat, eggs and milk. It is critical in normal DNA synthesis, which in turn affects erythrocyte maturation and in the formation of myelin sheath. Vitamin-B12 is used to find out neurological abnormalities and impaired DNA synthesis associated with macrocytic anemias. For diagnostic purpose, results should always be assessed in conjunction with the patients medical history, clinical examination and other findings.

Specifications: Intra assay (%CV):2.6%, Inter assay (%CV):2.3 %

Kit Validation Reference: Thomas L.Clinical laborator Diagnostics: Use and Assessment of Clinical laboratory Results 1st Edition, TH Books-Verl-Ges, 1998: 424-431

Method: Fully Automated Electrochemiluminescence Compititive Immunoassay

Please correlate with clinical conditions.

Sample Collected on (SCT) :20 Mar 2024 07:45

Sample Received on (SRT) : 20 Mar 2024 10:05 Report Released on (RRT) : 20 Mar 2024 13:30

Sample Type :SERUM

**Barcode** 

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ROAD BANWADI 560043

TEST NAME	TECHNOLOGY	VALUE	UNITS
APOLIPOPROTEIN - A1 (APO-A1)	IMMUNOTURBIDIMETRY	117	mg/dL
<b>Bio. Ref. Interval. :</b> Male : 86 - 152 Female : 94 - 162			
Method: FULLY AUTOMATED RATE IMMUNOTURBIDIMETR	Y – BECKMAN COULTER		
APOLIPOPROTEIN - B (APO-B)	IMMUNOTURBIDIMETRY	71	mg/dL
Bio. Ref. Interval. :			-
Male : 56 - 145			
Female : 53 - 138			
Method: FULLY AUTOMATED RATE IMMUNOTURBIDIMETR	y - Beckman Coulter		
APO B / APO A1 RATIO (APO B/A1)	CALCULATED	0.6	Ratio
Bio. Ref. Interval. :			
Male : 0.40 - 1.26			
Female : 0.38 - 1.14			
Method: Derived from serum Apo A1 and Apo B values			

Please correlate with clinical conditions.

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: 20 Mar 2024 10:05 Sample Received on (SRT) Report Released on (RRT) : 20 Mar 2024 13:30

**Sample Type** :SERUM

**Barcode** 

Labcode :2003065863/PP015

:BV231894

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**TEST ASKED** : BLOOD SUGAR (F), COMPLETE HEALTH CHECK

WITH VITAMINS

**HOME COLLECTION:** 

NO 81 AND 82 SRI HOME MARUTI NIVASA SECOND CROSS RAMASAMY REDDY LAYOUT BEHIND MAHARAJA FURNITURE OUTER RING ROAD

**BANWADI 560043** 

**VALUE TEST NAME** UNITS **TECHNOLOGY** HIGH SENSITIVITY C-REACTIVE PROTEIN (HS-CRP) **IMMUNOTURBIDIMETRY** 0.6 mg/L Bio. Ref. Interval. :-

< 1.00 - Low Risk 1.00 - 3.00 - Average Risk >3.00 - 10.00 - High Risk

> 10.00 - Possibly due to Non-Cardiac Inflammation

Disclaimer: Persistent unexplained elevation of HSCRP >10 should be evaluated for non-cardiovascular etiologies such as infection, active arthritis or concurrent illness.

### Clinical significance:

High sensitivity C- reactive Protein ( HSCRP) can be used as an independent risk marker for the identification of Individuals at risk for future cardiovascular Disease. A coronary artery disease risk assessment should be based on the average of two hs-CRP tests, ideally taken two weeks apart.

### Kit Validation Reference:

- 1. Clinical management of laboratory date in medical practice 2003-3004, 207(2003).
- 2.Tietz: Textbook of Clinical Chemistry and Molecular diagnostics: Second edition: Chapter 47:Page no.1507-1508.

### Please correlate with clinical conditions.

Method:-FULLY AUTOMATED LATEX AGGLUTINATION - BECKMAN COULTER

Sample Collected on (SCT) : 20 Mar 2024 07:45 : 20 Mar 2024 10:05 Sample Received on (SRT)

Report Released on (RRT) : 20 Mar 2024 13:30

. SERUM Sample Type

Dr Syeda Sumaiya MD(Path) Dr. Ashwin Mathew MD(Path) : 2003065863/PP015 Labcode : BV231894 **Barcode** Page: 8 of 18

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**BANWADI 560043** 

TEST NAME

TECHNOLOGY

VALUE

UNITS

LIPOPROTEIN (A) [LP(A)]

Bio. Ref. Interval. :-

Adults: < 30.0 mg/dl

### Clinical Significance:

Determination of LPA may be useful to guide management of individuals with a family history of CHD or with existing disease. The levels of LPA in the blood depends on genetic factors; The range of variation in a population is relatively large and hence for diagnostic purpose, results should always be assessed in conjunction with the patient's medical history, clinical examination and other findings.

Specifications:

Precision %CV :- Intra assay %CV- 4.55% , Inter assay %CV-0.86 %

Kit Validation Reference:

Tietz NW, Clinical Guide to Laboratory Tests Philadelphia WB. Saunders 1995: 442-444

### Please correlate with clinical conditions.

Method:- LATEX ENHANCED IMMUNOTURBIDIMETRY

Sample Collected on (SCT) : 20 Mar 2024 07:45
Sample Received on (SRT) : 20 Mar 2024 10:05

Report Released on (RRT) : 20 Mar 2024 13:30

Sample Type . SERUM

Labcode : 2003065863/PP015 Dr Syeda Sumaiya MD(Path) Dr.Ashwin Mathew MD(Path)

Barcode : BV231894 Page : 9 of 18

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: DR.

**TEST ASKED** : BLOOD SUGAR (F), COMPLETE HEALTH CHECK WITH

**VITAMINS** 

**HOME COLLECTION:** 

NO 81 AND 82 SRI HOME MARUTI NIVASA SECOND CROSS RAMASAMY REDDY LAYOUT BEHIND MAHARAJA FURNITURE OUTER RING

ROAD BANWADI 560043

TEST NAME	TECHNOLOGY	VALUE	UNITS
IRON	PHOTOMETRY	88.1	μg/dL
<b>Bio. Ref. Interval. :</b> Male : 65 - 175			
Female : 50 - 170			
Method: Ferrozine method without deproteinization			
TOTAL IRON BINDING CAPACITY (TIBC)	PHOTOMETRY	298.46	μg/dL
Bio. Ref. Interval. : Male: 225 - 535 μg/dl Female: 215 - 535 μg/dl Method : Spectrophotometric Assay			
% TRANSFERRIN SATURATION	CALCULATED	29.52	%
<b>Bio. Ref. Interval. :</b> 13 - 45			
Method: Derived from IRON and TIBC values			
UNSAT.IRON-BINDING CAPACITY(UIBC)	PHOTOMETRY	210.36	μg/dL
<b>Bio. Ref. Interval. :</b> 162 - 368			
Method: SPECTROPHOTOMETRIC ASSAY			

Please correlate with clinical conditions.

Sample Collected on (SCT) :20 Mar 2024 07:45

: 20 Mar 2024 10:05 Sample Received on (SRT) Report Released on (RRT) : 20 Mar 2024 13:30

**Sample Type** :SERUM

**Barcode** 

Labcode :2003065863/PP015

:BV231894

Dr Syeda Sumaiya MD(Path)

Dr. Ashwin Mathew MD(Path)

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### PROCESSED AT: Thyrocare, 5CA-711, 3rd Floor, HRBR 2nd Block, Hennur, Bengaluru-560043

REF. BY





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# 9 out of 10 Doctors Trust that Thyrocare Reports are Accurate & Reliable

: B G MANJUNATHA SWAMY(56Y/M) NAME

: DR.

**TEST ASKED** : BLOOD SUGAR (F), COMPLETE HEALTH CHECK WITH

VITAMINS

**HOME COLLECTION:** 

NO 81 AND 82 SRI HOME MARUTI NIVASA SECOND CROSS RAMASAMY REDDY LAYOUT BEHIND MAHARAJA FURNITURE OUTER RING ROAD BANWADI 560043

TEST NAME	TECHNOLOGY	VALUE	UNITS	Bio. Ref. Interval
TOTAL CHOLESTEROL	PHOTOMETRY	123	mg/dL	< 200
HDL CHOLESTEROL - DIRECT	PHOTOMETRY	37	mg/dL	40-60
LDL CHOLESTEROL - DIRECT	PHOTOMETRY	64	mg/dL	< 100
TRIGLYCERIDES	PHOTOMETRY	178	mg/dL	< 150
TC/ HDL CHOLESTEROL RATIO	CALCULATED	3.3	Ratio	3 - 5
TRIG / HDL RATIO	CALCULATED	4.83	Ratio	< 3.12
LDL / HDL RATIO	CALCULATED	1.8	Ratio	1.5-3.5
HDL / LDL RATIO	CALCULATED	0.57	Ratio	> 0.40
NON-HDL CHOLESTEROL	CALCULATED	86.2	mg/dL	< 160
VLDL CHOLESTEROL	CALCULATED	35.52	mg/dL	5 - 40

### Please correlate with clinical conditions.

### Method:

CHOL - Cholesterol Oxidase, Esterase, Peroxidase

HCHO - Direct Enzymatic Colorimetric

LDL - Direct Measure

TRIG - Enzymatic, End Point

TC/H - Derived from serum Cholesterol and Hdl values

TRI/H - Derived from TRIG and HDL Values

LDL/ - Derived from serum HDL and LDL Values

HD/LD - Derived from HDL and LDL values.

NHDL - Derived from serum Cholesterol and HDL values

VLDL - Derived from serum Triglyceride values

### \*REFERENCE RANGES AS PER NCEP ATP III GUIDELINES:

TOTAL CHOLESTEROL	(mg/dl)	HDL	(mg/dl)	LDL	(mg/dl)	TRIGLYCERIDES	(mg/dl)
DESIRABLE	<200	LOW	<40	OPTIMAL	<100	NORMAL	<150
BORDERLINE HIGH	200-239	HIGH	>60	NEAR OPTIMAL	100-129	BORDERLINE HIGH	150-199
HIGH	>240			BORDERLINE HIGH	130-159	HIGH	200-499
				HIGH	160-189	VERY HIGH	>500
				VERY HIGH	>190		

Alert !!! 10-12 hours fasting is mandatory for lipid parameters. If not, values might fluctuate.

Sample Collected on (SCT)

: 20 Mar 2024 07:45

Sample Received on (SRT)

: 20 Mar 2024 10:05

Report Released on (RRT)

Labcode

: 20 Mar 2024 13:30

: 2003065863/PP015

**Sample Type** : SERUM

Dr Syeda Sumaiya MD(Path)

Dr.Ashwin Mathew MD(Path)

**Barcode** . BV231894

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PROCESSED AT: Thyrocare, 5CA-711, 3rd Floor, HRBR 2nd Block, Hennur, Bengaluru-560043





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: B G MANJUNATHA SWAMY(56Y/M) NAME

REF. BY : DR.

**TEST ASKED** : BLOOD SUGAR (F), COMPLETE HEALTH CHECK WITH

VITAMINS

**HOME COLLECTION:** 

NO 81 AND 82 SRI HOME MARUTI NIVASA SECOND CROSS RAMASAMY REDDY LAYOUT BEHIND MAHARAJA FURNITURE OUTER RING ROAD BANWADI 560043

TEST NAME	TECHNOLOGY	VALUE	UNITS	Bio. Ref. Interval.
ALKALINE PHOSPHATASE	PHOTOMETRY	51.2	U/L	45-129
BILIRUBIN - TOTAL	PHOTOMETRY	0.87	mg/dL	0.3-1.2
BILIRUBIN -DIRECT	PHOTOMETRY	0.18	mg/dL	< 0.3
BILIRUBIN (INDIRECT)	CALCULATED	0.69	mg/dL	0-0.9
GAMMA GLUTAMYL TRANSFERASE (GGT)	PHOTOMETRY	22.2	U/L	< 55
ASPARTATE AMINOTRANSFERASE (SGOT )	PHOTOMETRY	21.3	U/L	< 35
ALANINE TRANSAMINASE (SGPT)	PHOTOMETRY	31.4	U/L	< 45
SGOT / SGPT RATIO	CALCULATED	0.68	Ratio	< 2
PROTEIN - TOTAL	PHOTOMETRY	6.93	gm/dL	5.7-8.2
ALBUMIN - SERUM	PHOTOMETRY	4.41	gm/dL	3.2-4.8
SERUM GLOBULIN	CALCULATED	2.52	gm/dL	2.5-3.4
SERUM ALB/GLOBULIN RATIO	CALCULATED	1.75	Ratio	0.9 - 2

### Please correlate with clinical conditions.

### Method:

ALKP - Modified IFCC method

BILT - Vanadate Oxidation

BILD - Vanadate Oxidation

BILI - Derived from serum Total and Direct Bilirubin values

GGT - Modified IFCC method

SGOT - IFCC\* Without Pyridoxal Phosphate Activation

SGPT - IFCC\* Without Pyridoxal Phosphate Activation

OT/PT - Derived from SGOT and SGPT values.

PROT - Biuret Method

SALB - Albumin Bcg1method (Colorimetric Assay Endpoint)

SEGB - DERIVED FROM SERUM ALBUMIN AND PROTEIN VALUES

A/GR - Derived from serum Albumin and Protein values

Sample Collected on (SCT)

: 20 Mar 2024 07:45

Sample Received on (SRT) Report Released on (RRT) : 20 Mar 2024 10:05

: 20 Mar 2024 13:30

**Sample Type** 

: SERUM

Labcode

: 2003065863/PP015

Dr Syeda Sumaiya MD(Path)

Dr. Ashwin Mathew MD(Path)

**Barcode** . BV231894

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# 9 out of 10 Doctors Trust that Thyrocare Reports are Accurate & Reliable

: B G MANJUNATHA SWAMY(56Y/M) NAME

REF. BY : DR.

**TEST ASKED** : BLOOD SUGAR (F), COMPLETE HEALTH CHECK WITH

**HOME COLLECTION:** 

NO 81 AND 82 SRI HOME MARUTI NIVASA SECOND CROSS RAMASAMY REDDY LAYOUT BEHIND MAHARAJA FURNITURE OUTER RING

ROAD BANWADI 560043

TEST NAME	TECHNOLOGY	VALUE	UNITS
SODIUM	I.S.E	138.26	mmol/L
Bio. Ref. Interval. : ADULTS: 136-145 MMOL/L			
Method: ION SELECTIVE ELECTRODE			
CHLORIDE	I.S.E	105.62	mmol/L

Bio. Ref. Interval.: ADULTS: 98-107 MMOL/L

#### Clinical Significance:

An increased level of blood chloride (called hyperchloremia) usually indicates dehydration, but can also occur with other problems that cause high blood sodium, such as Cushing syndrome or kidney disease. Hyperchloremia also occurs when too much base is lost from the body (producing metabolic acidosis) or when a person hyperventilates (causing respiratory alkalosis). A decreased level of blood chloride (called hypochloremia) occurs with any disorder that causes low blood sodium. Hypochloremia also occurs with congestive heart failure, prolonged vomiting or gastric suction, Addison disease, emphysema or other chronic lung diseases (causing respiratory acidosis), and with loss of acid from the body (called metabolic alkalosis).

Method: ION SELECTIVE ELECTRODE

Please correlate with clinical conditions.

Sample Collected on (SCT) :20 Mar 2024 07:45

Sample Received on (SRT) : 20 Mar 2024 10:05 Report Released on (RRT) : 20 Mar 2024 13:30

**Sample Type** :SERUM

**Barcode** 

Labcode :2003065863/PP015

:BV231894

Dr Syeda Sumaiya MD(Path)

Dr. Ashwin Mathew MD(Path)

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# 9 out of 10 Doctors Trust that Thyrocare Reports are Accurate & Reliable

: B G MANJUNATHA SWAMY(56Y/M) NAME

: DR.

**TEST ASKED** : BLOOD SUGAR (F), COMPLETE HEALTH CHECK WITH

**VITAMINS** 

**HOME COLLECTION:** 

NO 81 AND 82 SRI HOME MARUTI NIVASA SECOND CROSS RAMASAMY REDDY LAYOUT BEHIND MAHARAJA FURNITURE OUTER RING ROAD BANWADI 560043

TEST NAME	TECHNOLOGY	VALUE	UNITS	Bio. Ref. Interval.
BLOOD UREA NITROGEN (BUN)	PHOTOMETRY	10.7	mg/dL	7.94 - 20.07
CREATININE - SERUM	PHOTOMETRY	1.09	mg/dL	0.72-1.18
BUN / SR.CREATININE RATIO	CALCULATED	9.82	Ratio	9:1-23:1
UREA (CALCULATED)	CALCULATED	22.9	mg/dL	Adult: 17-43
UREA / SR.CREATININE RATIO	CALCULATED	21.01	Ratio	< 52
URIC ACID	PHOTOMETRY	7.27	mg/dL	4.2 - 7.3
CALCIUM	PHOTOMETRY	9.42	mg/dL	8.8-10.6

#### Please correlate with clinical conditions.

#### Method:

REF. BY

BUN - Kinetic UV Assay.

SCRE - Creatinine Enzymatic Method

B/CR - Derived from serum Bun and Creatinine values

UREAC - Derived from BUN Value.

UR/CR - Derived from UREA and Sr.Creatinine values.

URIC - Uricase / Peroxidase Method

CALC - Arsenazo III Method, End Point.

Sample Collected on (SCT)

Sample Received on (SRT)

Report Released on (RRT)

**Barcode** 

**Sample Type** : SERUM

: 2003065863/PP015 Labcode

. BV231894

: 20 Mar 2024 07:45 : 20 Mar 2024 10:05

: 20 Mar 2024 13:30

Dr Syeda Sumaiya MD(Path)

Dr. Ashwin Mathew MD(Path)

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# 9 out of 10 Doctors Trust that Thyrocare Reports are Accurate & Reliable

NAME : B G MANJUNATHA SWAMY(56Y/M) **HOME COLLECTION:** 

REF. BY : DR. NO 81 AND 82 SRI HOME MARUTI NIVASA SECOND CROSS RAMASAMY REDDY LAYOUT BEHIND MAHARAJA

: BLOOD SUGAR (F), COMPLETE HEALTH CHECK WITH **TEST ASKED VITAMINS** 

FURNITURE OUTER RING ROAD BANWADI 560043

TEST NAME	TECHNOLOGY	VALUE	UNITS	Bio. Ref. Interval.
TOTAL TRIIODOTHYRONINE (T3)	E.C.L.I.A	122	ng/dL	80-200
TOTAL THYROXINE (T4)	E.C.L.I.A	8.74	μg/dL	4.8-12.7
TSH - ULTRASENSITIVE	E.C.L.I.A	3.88	μIU/mL	0.54-5.30

Comments: SUGGESTING THYRONORMALCY

The Biological Reference Ranges is specific to the age group. Kindly correlate clinically.

#### Method:

T3,T4 - Fully Automated Electrochemiluminescence Compititive Immunoassay USTSH - Fully Automated Electrochemiluminescence Sandwich Immunoassay

Disclaimer: Results should always be interpreted using the reference range provided by the laboratory that performed the test. Different laboratories do tests using different technologies, methods and using different reagents which may cause difference. In reference ranges and hence it is recommended to interpret result with assay specific reference ranges provided in the reports. To diagnose and monitor therapy doses, it is recommended to get tested every time at the same Laboratory.

Sample Collected on (SCT) : 20 Mar 2024 07:45 Sample Received on (SRT) : 20 Mar 2024 10:05 Report Released on (RRT) : 20 Mar 2024 13:30

**Sample Type** : SERUM

Labcode : 2003065863/PP015

**Barcode** : BV231894

Dr Syeda Sumaiya MD(Path)

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# 9 out of 10 Doctors Trust that Thyrocare Reports are Accurate & Reliable

: B G MANJUNATHA SWAMY(56Y/M) NAME

**REF. BY** 

**TEST ASKED** : BLOOD SUGAR (F), COMPLETE HEALTH CHECK

WITH VITAMINS

**HOME COLLECTION:** 

NO 81 AND 82 SRI HOME MARUTI NIVASA SECOND CROSS RAMASAMY REDDY LAYOUT BEHIND MAHARAJA FURNITURE OUTER RING ROAD

**BANWADI 560043** 

**VALUE TEST NAME UNITS TECHNOLOGY EST. GLOMERULAR FILTRATION RATE (eGFR) CALCULATED** 76 mL/min/1.73 m2 Bio. Ref. Interval. :-

> = 90 : Normal 60 - 89 : Mild Decrease

45 - 59 : Mild to Moderate Decrease 30 - 44 : Moderate to Severe Decrease

15 - 29 : Severe Decrease

#### Clinical Significance

The normal serum creatinine reference interval does not necessarily reflect a normal GFR for a patient. Because mild and moderate kidney injury is poorly inferred from serum creatinine alone. Thus, it is recommended for clinical laboratories to routinely estimate glomerular filtration rate (eGFR), a "gold standard" measurement for assessment of renal function, and report the value when serum creatinine is measured for patients 18 and older, when appropriate and feasible. It cannot be measured easily in clinical practice, instead, GFR is estimated from equations using serum creatinine, age, race and sex. This provides easy to interpret information for the doctor and patient on the degree of renal impairment since it approximately equates to the percentage of kidney function remaining. Application of CKD-EPI equation together with the other diagnostic tools in renal medicine will further improve the detection and management of patients with CKD.

#### Reference

Levey AS, Stevens LA, Schmid CH, Zhang YL, Castro AF, 3rd, Feldman HI, et al. A new equation to estimate glomerular filtration rate. Ann Intern Med. 2009;150(9):604-12.

Please correlate with clinical conditions.

Method:-CKD-EPI Creatinine Equation

Sample Collected on (SCT) : 20 Mar 2024 07:45 : 20 Mar 2024 10:05 Sample Received on (SRT)

Report Released on (RRT) : 20 Mar 2024 13:30

. SERUM Sample Type

: 2003065863/PP015 Labcode

Dr Syeda Sumaiya MD(Path)

Dr. Ashwin Mathew MD(Path)

: BV231894 **Barcode** Page: 16 of 18

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# 9 out of 10 Doctors Trust that Thyrocare Reports are Accurate & Reliable

NAME : B G MANJUNATHA SWAMY(56Y/M)

**REF. BY** : DR.

: BLOOD SUGAR (F), COMPLETE HEALTH CHECK **TEST ASKED** 

WITH VITAMINS

**HOME COLLECTION:** 

NO 81 AND 82 SRI HOME MARUTI NIVASA SECOND CROSS RAMASAMY REDDY LAYOUT BEHIND MAHARAJA FURNITURE OUTER RING ROAD

**BANWADI 560043** 

TEST NAME	TECHNOLOGY	VALUE	UNITS
FASTING BLOOD SUGAR(GLUCOSE)	PHOTOMETRY	100	mg/dL

#### Bio. Ref. Interval. :-

As per ADA Guideline: Fasting Plasma Glucose (FPG)		
Normal	70 to 100 mg/dl	
Prediabetes	100 mg/dl to 125 mg/dl	
Diabetes	126 mg/dl or higher	

The assay could be affected mildly and may result in anomalous values if serum samples have heterophilic antibodies, hemolyzed, icteric or lipemic. The concentration of Glucose in a given specimen may vary due to differences in assay methods, calibration and reagent specificity. For diagnostic purposes results should always be assessed in conjunction with patients medical history, clinical findings and other findings.

Please correlate with clinical conditions.

Method:-**GOD-PAP METHOD** 

~~ End of report ~~

Sample Collected on (SCT)

Sample Received on (SRT)

Report Released on (RRT)

Sample Type

Labcode

**Barcode** 

: 20 Mar 2024 07:45

: 20 Mar 2024 10:00

: 20 Mar 2024 10:53

. FLUORIDE

: 2003065515/PP015 Dr Syeda Sumaiya MD(Path)

Dr. Ashwin Mathew MD(Path)

: BV868400

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### CONDITIONS OF REPORTING

- v The reported results are for information and interpretation of the referring doctor only.
- v It is presumed that the tests performed on the specimen belong to the patient; named or identified.
- v Results of tests may vary from laboratory to laboratory and also in some parameters from time to time for the same patient.
- v Should the results indicate an unexpected abnormality, the same should be reconfirmed.
- v Only such medical professionals who understand reporting units, reference ranges and limitations of technologies should interpret results.
- v This report is not valid for medico-legal purpose.
- v Neither Thyrocare, nor its employees/representatives assume any liability, responsibility for any loss or damage that may be incurred by any person as a result of presuming the meaning or contents of the report.
- v Thyrocare Discovery video link :- https://voutu.be/nbdYeRqYyOc
- v For clinical support please contact @8450950852,8450950853,8450950854 between 10:00 to 18:00

#### **EXPLANATIONS**

- v Majority of the specimen processed in the laboratory are collected by Pathologists and Hospitals we call them as "Clients".
- v Name The name is as declared by the client and recored by the personnel who collected the specimen.
- v Ref.Dr The name of the doctor who has recommended testing as declared by the client.
- v Labcode This is the accession number in our laboratory and it helps us in archiving and retrieving the data.
- v **Barcode** This is the specimen identity number and it states that the results are for the specimen bearing the barcode (irrespective of the name).
- v **SCP** Specimen Collection Point This is the location where the blood or specimen was collected as declared by the client.
- v SCT Specimen Collection Time The time when specimen was collected as declared by the client.
- v SRT Specimen Receiving Time This time when the specimen reached our laboratory.
- v RRT Report Releasing Time The time when our pathologist has released the values for Reporting.
- v Reference Range Means the range of values in which 95% of the normal population would fall.

### **SUGGESTIONS**

- Values out of reference range requires reconfirmation before starting any medical treatment.
- v Retesting is needed if you suspect any quality shortcomings.
- v Testing or retesting should be done in accredited laboratories.
- v For suggestions, complaints or feedback, write to us at info@thyrocare.com or call us on 022-3090 0000 / 6712 3400
- v SMS:<Labcode No.> to **9870666333**



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