

Corporate Office : Thyrocare Technologies Limited D-37/3, TTC MIDC, Turbhe, Navi Mumbai - 400703
☎ 022 - 3090 0000 / 4125 2525 ☎ 8691866066 ✉ wellness@thyrocare.com 🌐 www.thyrocare.com

REPORT

NAME : MR SRIKANTH (38Y/M)
REF. BY : SELF
TEST ASKED : HBA,HEMOGRAM - 6 PART (DIFF)

SAMPLE COLLECTED AT :
(5311169953),PRABHU CLINICAL
LABORATORY,DR.YEKKALA RAMAKRISHNA
HOSPITAL RAMARAOPETA NARSIPATNAM
531116,531116

TEST NAME	TECHNOLOGY	VALUE	UNITS
HbA1c - (HPLC - NGSP Certified)	H.P.L.C	8.3	%

Reference Range :

Reference Range: 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
≥8% : Poor Control

Method : Fully Automated H.P.L.C. using Biorad Variant II Turbo, NGSP Certified.

AVERAGE BLOOD GLUCOSE (ABG) **CALCULATED** **192** **mg/dl**

Reference Range :

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) :26 Aug 2019 18:00
Sample Received on (SRT) :27 Aug 2019 22:50
Report Released on (RRT) :28 Aug 2019 08:25
Sample Type : EDTA
Labcode : 2708040370/A6750
Barcode : M9261080



Prachi Sinkar

Dr.Prachi Sinkar MD(Path)

Caesar

Dr.Caesar Sengupta MD(Micro)

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TEST NAME	VALUE	UNITS	REFERENCE RANGE
TOTAL LEUCOCYTES COUNT	6.4	X 10 ³ / μ L	4.0-10.0
NEUTROPHILS	49.7	%	40-80
LYMPHOCYTE PERCENTAGE	42.8	%	20-40
MONOCYTES	2.3	%	0-10
EOSINOPHILS	4.7	%	0.0-6.0
BASOPHILS	0.2	%	<2
IMMATURE GRANULOCYTE PERCENTAGE(IG%)	0.3	%	0-0.5
NEUTROPHILS - ABSOLUTE COUNT	3.18	X 10 ³ / μ L	2.0-7.0
LYMPHOCYTES - ABSOLUTE COUNT	2.74	X 10 ³ / μ L	1.0-3.0
MONOCYTES - ABSOLUTE COUNT	0.15	X 10³ / μL	0.2-1
BASOPHILS - ABSOLUTE COUNT	0.01	X 10 ³ / μ L	0-0.1
EOSINOPHILS - ABSOLUTE COUNT	0.3	X 10 ³ / μ L	0-0.5
IMMATURE GRANULOCYTES(IG)	0.02	X 10 ³ / μ L	0-0.3
TOTAL RBC	6.13	X 10⁶ / μL	4.5-5.5
NUCLEATED RED BLOOD CELLS	Nil	X 10 ³ / μ L	<0.01
NUCLEATED RED BLOOD CELLS %	Nil	%	<0.01
HEMOGLOBIN	18.1	g/dL	13-17
HEMATOCRIT(PCV)	50.68	%	40-50
MEAN CORPUSCULAR VOLUME(MCV)	100.2	fL	83-101
MEAN CORPUSCULAR HEMOGLOBIN(MCH)	29.5	pq	27-32
MEAN CORP.HEMO.CONC(MCHC)	29.5	g/dL	31.5-34.5
RED CELL DISTRIBUTION WIDTH - SD(RDW-SD)	62.9	fL	39-46
RED CELL DISTRIBUTION WIDTH (RDW-CV)	17.6	%	11.6-14
PLATELET DISTRIBUTION WIDTH(PDW)	11.1	fL	9.6-15.2
MEAN PLATELET VOLUME(MPV)	9.4	fL	6.5-12
PLATELET COUNT	222	X 10 ³ / μ L	150-400
PLATELET TO LARGE CELL RATIO(PLCR)	20.5	%	19.7-42.4
PLATELETCRIT(PCT)	0.21	%	0.19-0.39

Remarks : ALERT !!! Anisocytosis

Please Correlate with clinical conditions.

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

(This device performs hematology analyses according to the Hydrodynamic Focussing (DC method), Flow Cytometry Method (using a semiconductor laser), and SLS- hemoglobin method)

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REPORT

NAME : MR SRIKANTH (38Y/M)
REF. BY : SELF
TEST ASKED : AAROGYAM B

SAMPLE COLLECTED AT :
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531116,531116

TEST NAME	TECHNOLOGY	VALUE	UNITS
IRON Reference Range : Male : 65 - 175 Female : 50 - 170 Method : FERROZINE METHOD WITHOUT DEPROTEINIZATION	PHOTOMETRY	69.1	µg/dl
TOTAL IRON BINDING CAPACITY (TIBC) Reference Range : Male: 225 - 535 µg/dl Female: 215 - 535 µg/dl Method : SPECTROPHOTOMETRIC ASSAY	PHOTOMETRY	348	µg/dl
% TRANSFERRIN SATURATION Reference Range : 13 - 45 Method : DERIVED FROM IRON AND TIBC VALUES	CALCULATED	19.86	%

Please correlate with clinical conditions.

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Report Released on (RRT) : 28 Aug 2019 02:10
Sample Type : SERUM
Labcode : 2708040550/A6750
Barcode : N7212022

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TEST NAME	TECHNOLOGY	VALUE	UNITS	NORMAL RANGE
ALKALINE PHOSPHATASE	PHOTOMETRY	64.5	U/L	45 - 129
BILIRUBIN - TOTAL	PHOTOMETRY	0.35	mg/dl	0.3-1.2
BILIRUBIN -DIRECT	PHOTOMETRY	0.08	mg/dl	< 0.3
BILIRUBIN (INDIRECT)	CALCULATED	0.27	mg/dl	0-0.9
GAMMA GLUTAMYL TRANSFERASE (GGT)	PHOTOMETRY	91.1	U/l	< 55
ASPARTATE AMINOTRANSFERASE (SGOT)	PHOTOMETRY	22.5	U/l	< 35
ALANINE TRANSAMINASE (SGPT)	PHOTOMETRY	21.4	U/l	< 45
PROTEIN - TOTAL	PHOTOMETRY	6.6	gm/dl	5.7-8.2
ALBUMIN - SERUM	PHOTOMETRY	4.1	gm/dl	3.2-4.8
SERUM ALB/GLOBULIN RATIO	CALCULATED	1.64	Ratio	0.9 - 2
SERUM GLOBULIN	PHOTOMETRY	2.5	gm/dL	2.5-3.4

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
PROT - BIURET METHOD
SALB - ALBUMIN BCG¹METHOD (COLORIMETRIC ASSAY ENDPOINT)
A/GR - DERIVED FROM SERUM ALBUMIN AND PROTEIN VALUES
SEGB - DERIVED FROM SERUM ALBUMIN AND PROTEIN VALUES

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TEST NAME	TECHNOLOGY	VALUE	UNITS	NORMAL RANGE
TOTAL CHOLESTEROL	PHOTOMETRY	220	mg/dl	125-200
HDL CHOLESTEROL - DIRECT	PHOTOMETRY	36	mg/dl	35-80
LDL CHOLESTEROL - DIRECT	PHOTOMETRY	167	mg/dl	85-130
TRIGLYCERIDES	PHOTOMETRY	188	mg/dl	25-200
TC/ HDL CHOLESTEROL RATIO	CALCULATED	6.1	Ratio	3 - 5
LDL / HDL RATIO	CALCULATED	4.7	Ratio	1.5-3.5
VLDL CHOLESTEROL	CALCULATED	37.6	mg/dl	5 - 40
NON-HDL CHOLESTEROL	CALCULATED	184.1	mg/dl	< 160

Please correlate with clinical conditions.

Method :

CHOL - CHOD POD METHOD
HCHO - ENZYME SELECTIVE PROTECTION METHOD
LDL - HOMOGEOUS ENZYMATIC COLORIMETRIC ASSAY
TRIG - ENZYMATIC COLORIMETRIC METHOD (GPO) [HIGHLY INFLUENCED BY LEVEL OF FASTING]
TC/H - DERIVED FROM SERUM CHOLESTEROL AND HDL VALUES
LDL/ - DERIVED FROM SERUM HDL AND LDL VALUES
VLDL - DERIVED FROM SERUM TRIGLYCERIDE VALUES
NHDL - DERIVED FROM SERUM CHOLESTEROL AND HDL 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.

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TEST NAME	TECHNOLOGY	VALUE	UNITS	REFERENCE RANGE
TOTAL TRIIODOTHYRONINE (T3)	C.L.I.A	99	ng/dl	60-200
TOTAL THYROXINE (T4)	C.L.I.A	6.4	µg/dl	4.5-12
THYROID STIMULATING HORMONE (TSH)	C.L.I.A	3.42	µIU/ml	0.3-5.5

Comments : SUGGESTING THYRONORMALCY**Please correlate with clinical conditions.****Method :**

T3 - COMPETITIVE CHEMI LUMINESCENT IMMUNO ASSAY
T4 - COMPETITIVE CHEMI LUMINESCENT IMMUNO ASSAY
TSH - SANDWICH CHEMI LUMINESCENT IMMUNO ASSAY

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TEST NAME	TECHNOLOGY	VALUE	UNITS	NORMAL RANGE
BLOOD UREA NITROGEN (BUN)	PHOTOMETRY	12.26	mg/dl	7 - 25
CREATININE - SERUM	PHOTOMETRY	0.74	mg/dl	0.6-1.1
BUN / SR.CREATININE RATIO	CALCULATED	16.57	Ratio	9:1-23:1
CALCIUM	PHOTOMETRY	9.16	mg/dl	8.8-10.6
URIC ACID	PHOTOMETRY	3.3	mg/dl	4.2 - 7.3

Please correlate with clinical conditions.

Method :

BUN - KINETIC UV ASSAY.
SCRE - CREATININE ENZYMATIC METHOD
B/CR - DERIVED FROM SERUM BUN AND CREATININE VALUES
CALC - ARSENAZO III METHOD, END POINT.
URIC - URICASE / PEROXIDASE METHOD

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TEST NAME	TECHNOLOGY	VALUE	UNITS
EST. GLOMERULAR FILTRATION RATE (eGFR)	CALCULATED	117	mL/min/1.73 m2
Reference Range :-			

> = 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

~~ End of report ~~

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CONDITIONS OF REPORTING

- ❖ The reported results are for information and interpretation of the referring doctor only.
- ❖ It is presumed that the tests performed on the specimen belong to the patient; named or identified.
- ❖ Results of tests may vary from laboratory to laboratory and also in some parameters from time to time for the same patient.
- ❖ Should the results indicate an unexpected abnormality, the same should be reconfirmed.
- ❖ Only such medical professionals who understand reporting units, reference ranges and limitations of technologies should interpret results.
- ❖ This report is not valid for medico-legal purpose.
- ❖ 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.








EXPLANATIONS

- ❖ Majority of the specimen processed in the laboratory are collected by Pathologists and Hospitals we call them as "Clients".
- ❖ **Name** - The name is as declared by the client and recored by the personnel who collected the specimen.
- ❖ **Ref.Dr** - The name of the doctor who has recommended testing as declared by the client.
- ❖ **Labcode** - This is the accession number in our laboratory and it helps us in archiving and retrieving the data.
- ❖ **Barcode** - This is the specimen identity number and it states that the results are for the specimen bearing the barcode (irrespective of the name).
- ❖ **SCP** - Specimen Collection Point - This is the location where the blood or specimen was collected as declared by the client.
- ❖ **SCT** - Specimen Collection Time - The time when specimen was collected as declared by the client.
- ❖ **SRT** - Specimen Receiving Time - This time when the specimen reached our laboratory.
- ❖ **RRT** - Report Releasing Time - The time when our pathologist has released the values for Reporting.
- ❖ **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.
- ❖ Retesting is needed if you suspect any quality shortcomings.
- ❖ Testing or retesting should be done in accredited laboratories.
- ❖ For suggestions, complaints or feedback, write to us at **info@thyrocare.com** or call us on **022-3090 0000 / 4125 2525**
- ❖ SMS: <Labcode No.> to **9870666333**

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Towards a TB free world

"Fight TB with power of Rapid Technology"

Focus TB, powered by Thyrocare.
A brand that will focus on TB, which is one of the major public health problems in the country.

Tuberculosis (TB) is a transmissible, airborne infection caused by *Mycobacterium tuberculosis* (MTB). It transpires usually when a person inhales microscopic droplet nuclei containing viable bacteria, spread through coughing by persons who have infectious TB.



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