#### Thyrocare

H. NO. 1-9-645, Vidyanagar, Adikmet Road, Near SBH, Hyderabad-500 044





Corporate Office: Thyrocare Technologies Limited ♥ D-37/3, TTC MIDC, Turbhe, Navi Mumbai - 400703 

REPORT

NAME : MD IBRAHIM (28Y/M)

**REF. BY** : DR SADANAND G KORI, MD

**TEST ASKED** : HBA, HEMOGRAM - 6 PART (DIFF) **SAMPLE COLLECTED AT:** 

(15668), ROYAL LABORATORY, ROYAL COMPLEX, HUNGUNTA CROSS, OPP ABU BAKAR MASJID,

SHAHABAD,,585228

**TEST NAME TECHNOLOGY VALUE** UNITS HbA1c - (HPLC - NGSP Certified)

> H.P.L.C 6.5 %

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

: Poor Control

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

AVERAGE BLOOD GLUCOSE (ABG) **CALCULATED** 140 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) Sample Received on (SRT) Report Released on (RRT)

Sample Type

Labcode **Barcode** 

:02 Feb 2020 22:55 :03 Feb 2020 12:32

:03 Feb 2020 13:57

: EDTA

:0302017746/15668

**:** J5241871

Sholoha Rani.

Dr V Shobha Rani MD(Path)

Dr.Caesar Sengupta MD(Micro)

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NAME : MD IBRAHIM (28Y/M) **REF. BY** : DR SADANAND G KORI,MD

**TEST ASKED** : HBA, HEMOGRAM - 6 PART (DIFF)

## **SAMPLE COLLECTED AT:**

(15668), ROYAL LABORATORY, ROYAL COMPLEX, HUNGUNTA CROSS, OPP ABU BAKAR MASJID,

SHAHABAD,,585228

TEST NAME	VALUE	UNITS	REFERENCE RANGE
TOTAL LEUCOCYTES COUNT	6.99	X 10 <sup>3</sup> / μL	4.0-10.0
NEUTROPHILS	51.3	%	40-80
LYMPHOCYTE PERCENTAGE	38.8	%	20-40
MONOCYTES	3.6	%	0-10
EOSINOPHILS	4.7	%	0.0-6.0
BASOPHILS	1.3	%	<2
IMMATURE GRANULOCYTE PERCENTAGE(IG%)	0.3	%	0-0.5
NEUTROPHILS - ABSOLUTE COUNT	3.57	$X~10^3$ / $\mu L$	2.0-7.0
LYMPHOCYTES - ABSOLUTE COUNT	2.71	$X~10^3$ / $\mu L$	1.0-3.0
MONOCYTES - ABSOLUTE COUNT	0.25	$X~10^3$ / $\mu L$	0.2-1
BASOPHILS - ABSOLUTE COUNT	0.09	$X~10^3$ / $\mu L$	0-0.1
EOSINOPHILS - ABSOLUTE COUNT	0.33	$X~10^3$ / $\mu L$	0-0.5
IMMATURE GRANULOCYTES(IG)	0.04	$X~10^3$ / $\mu L$	0-0.3
TOTAL RBC	5.65	X 10^6/μL	4.5-5.5
NUCLEATED RED BLOOD CELLS	Nil	$X~10^3$ / $\mu L$	<0.01
NUCLEATED RED BLOOD CELLS %	Nil	%	<0.01
HEMOGLOBIN	14.9	g/dL	13-17
HEMATOCRIT(PCV)	41.72	%	40-50
MEAN CORPUSCULAR VOLUME(MCV)	98.8	fL	83-101
MEAN CORPUSCULAR HEMOGLOBIN(MCH)	26.4	pq	27-32
MEAN CORP.HEMO.CONC(MCHC)	26.7	g/dL	31.5-34.5
RED CELL DISTRIBUTION WIDTH - SD(RDW-SD)	58.7	fL	39-46
RED CELL DISTRIBUTION WIDTH (RDW-CV)	16.3	%	11.6-14
PLATELET DISTRIBUTION WIDTH(PDW)	11.5	fL	9.6-15.2
MEAN PLATELET VOLUME(MPV)	10	fL	6.5-12
PLATELET COUNT	289	$X~10^3$ / $\mu L$	150-400
PLATELET TO LARGE CELL RATIO(PLCR)	25.1	%	19.7-42.4
PLATELETCRIT(PCT)	0.29	%	0.19-0.39

Please Correlate with clinical conditions.

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

**:** J5241871

(This device performs hematology analyses according to the Hydrodynamic Focussing (DC method), Flow

Cytometry Method (using a semiconductor laser), and SLS- hemoglobin method)

Sample Collected on (SCT) :02 Feb 2020 22:55 Sample Received on (SRT) :03 Feb 2020 12:32 Report Released on (RRT) :03 Feb 2020 13:57

**Sample Type** : EDTA

**Barcode** 

Labcode : 0302017746/15668 Dr V Shobha Rani MD(Path)

Dr.Caesar Sengupta MD(Micro)

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# **Thyrocare**

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REPORT

NAME : MD IBRAHIM (28Y/M)

Please correlate with clinical conditions.

**REF. BY** : DR SADANAND G KORI,MD

**TEST ASKED**: AAROGYAM B

**SAMPLE COLLECTED AT:** 

(15668),ROYAL LABORATORY,ROYAL COMPLEX, HUNGUNTA CROSS, OPP ABU BAKAR MASJID,

SHAHABAD,,585228

TEST NAME	TECHNOLOGY	VALUE	UNITS	
IRON	PHOTOMETRY	116.8	μg/dl	
Reference Range :				
Male : 65 - 175				
Female: 50 - 170				
Method: FERROZINE METHOD WITHOUT DEPROTEINIZA	ATION			
TOTAL IRON BINDING CAPACITY (TIBC)	PHOTOMETRY	448	μg/dl	
Reference Range :				
Male: 225 - 535 μg/dl Female: 215 - 535 μg/dl				
Method: SPECTROPHOTOMETRIC ASSAY				
% TRANSFERRIN SATURATION	CALCULATED	26.07	%	
Reference Range :				
13 - 45				
Method: DERIVED FROM IRON AND TIBC VALUES				

Sample Collected on (SCT) :02 Feb 2020 22:55

Sample Received on (SRT) :03 Feb 2020 12:32

Report Released on (RRT) :03 Feb 2020 18:41

Sample Type :SERUM

**Labcode** : 0302017748/15668

**Barcode** : P3987750

V. Shown Cam.

Dr V Shobha Rani MD(Path)

Dr.Caesar Sengupta MD(Micro)

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Think Thyroid. Think Thyrocare.



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REPORT

NAME : MD IBRAHIM (28Y/M)

REF. BY : DR SADANAND G KORI,MD

**TEST ASKED** : AAROGYAM B **SAMPLE COLLECTED AT:** 

(15668), ROYAL LABORATORY, ROYAL COMPLEX, HUNGUNTA CROSS, OPP ABU BAKAR MASJID,

SHAHABAD,,585228

TEST NAME	TECHNOLOGY	VALUE	UNITS	<b>NORMAL RANGE</b>
ALKALINE PHOSPHATASE	PHOTOMETRY	75.7	U/L	45 - 129
BILIRUBIN - TOTAL	PHOTOMETRY	0.49	mg/dl	0.3-1.2
BILIRUBIN -DIRECT	PHOTOMETRY	0.07	mg/dl	< 0.3
BILIRUBIN (INDIRECT)	CALCULATED	0.42	mg/dl	0-0.9
GAMMA GLUTAMYL TRANSFERASE (GGT)	PHOTOMETRY	24.34	U/I	< 55
ASPARTATE AMINOTRANSFERASE (SGOT )	PHOTOMETRY	62.71	U/I	< 35
ALANINE TRANSAMINASE (SGPT)	PHOTOMETRY	44.02	U/I	< 45
PROTEIN - TOTAL	PHOTOMETRY	8.04	gm/dl	5.7-8.2
ALBUMIN - SERUM	PHOTOMETRY	4.23	gm/dl	3.2-4.8
SERUM ALB/GLOBULIN RATIO	CALCULATED	1.11	Ratio	0.9 - 2
SERUM GLOBULIN	PHOTOMETRY	3.81	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 BCG<sup>1</sup>METHOD (COLORIMETRIC ASSAY ENDPOINT)

A/GR - DERIVED FROM SERUM ALBUMIN AND PROTEIN VALUES

SEGB - DERIVED FROM SERUM ALBUMIN AND PROTEIN VALUES

Sample Collected on (SCT) : 02 Feb 2020 22:55

: 03 Feb 2020 12:32

Report Released on (RRT) : 03 Feb 2020 18:41

: SERUM **Sample Type** 

Sample Received on (SRT)

Labcode : 0302017748/15668

**Barcode** : P3987750

Dr V Shobha Rani MD(Path)

Dr.Caesar Sengupta MD(Micro)

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REPORT

NAME : MD IBRAHIM (28Y/M)

REF. BY : DR SADANAND G KORI,MD

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(15668), ROYAL LABORATORY, ROYAL COMPLEX, HUNGUNTA CROSS, OPP ABU BAKAR MASJID,

SHAHABAD,,585228

TEST NAME	TECHNOLOGY	VALUE	UNITS	<b>NORMAL RANGE</b>
TOTAL CHOLESTEROL	PHOTOMETRY	280	mg/dl	125-200
HDL CHOLESTEROL - DIRECT	PHOTOMETRY	28	mg/dl	35-80
LDL CHOLESTEROL - DIRECT	PHOTOMETRY	144	mg/dl	85-130
TRIGLYCERIDES	PHOTOMETRY	426	mg/dl	25-200
TC/ HDL CHOLESTEROL RATIO	CALCULATED	9.9	Ratio	3 - 5
LDL / HDL RATIO	CALCULATED	5.1	Ratio	1.5-3.5
VLDL CHOLESTEROL	CALCULATED	85.24	mg/dl	5 - 40
NON-HDL CHOLESTEROL	CALCULATED	251.76	mg/dl	< 160

Please correlate with clinical conditions.

## Method:

**Barcode** 

CHOL - CHOD POD METHOD

HCHO - ENZYME SELECTIVE PROTECTION METHOD

LDL - HOMOGENOUS 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.

: 02 Feb 2020 22:55 Sample Collected on (SCT)

Sample Received on (SRT) : 03 Feb 2020 12:32

Report Released on (RRT) : 03 Feb 2020 18:41

: SERUM **Sample Type** 

Labcode : 0302017748/15668

: P3987750

Dr V Shobha Rani MD(Path)

Dr.Caesar Sengupta MD(Micro)

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# REPORT

NAME : MD IBRAHIM (28Y/M)

REF. BY : DR SADANAND G KORI, MD

**TEST ASKED** : AAROGYAM B

**SAMPLE COLLECTED AT:** 

(15668),ROYAL LABORATORY,ROYAL COMPLEX, HUNGUNTA CROSS, OPP ABU BAKAR MASJID,

SHAHABAD,,585228

TEST NAME	TECHNOLOGY	VALUE	UNITS REFERENCE RANGE
TOTAL TRIIODOTHYRONINE (T3)	C.L.I.A	42	ng/dl 60-200
TOTAL THYROXINE (T4)	C.L.I.A	1.1	μg/dl 4.5-12
THYROID STIMULATING HORMONE (TSH)	C.L.I.A	>150.00	μIU/ml 0.3-5.5

**Comments:** SUGGESTING HYPOFUNCTION **Please correlate with clinical conditions.** 

Method:

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

Sample Collected on (SCT): 02 Feb 2020 22:55Sample Received on (SRT): 03 Feb 2020 12:32Report Released on (RRT): 03 Feb 2020 18:41

Sample Type : SERUM

**Labcode** : 0302017748/15668

**Barcode** : P3987750

V. Shobha Rai.

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REPORT

NAME : MD IBRAHIM (28Y/M)

REF. BY : DR SADANAND G KORI,MD

**TEST ASKED** : AAROGYAM B **SAMPLE COLLECTED AT:** 

(15668), ROYAL LABORATORY, ROYAL COMPLEX, HUNGUNTA CROSS, OPP ABU BAKAR MASJID,

SHAHABAD,,585228

TEST NAME	TECHNOLOGY	VALUE	UNITS	NORMAL RANGE
BLOOD UREA NITROGEN (BUN)	PHOTOMETRY	10.53	mg/dl	7 - 25
CREATININE - SERUM	PHOTOMETRY	1.2	mg/dl	0.6-1.1
<b>BUN / SR.CREATININE RATIO</b>	CALCULATED	8.78	Ratio	9:1-23:1
CALCIUM	PHOTOMETRY	10.2	mg/dl	8.8-10.6
URIC ACID	PHOTOMETRY	8.54	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

Sample Collected on (SCT) : 02 Feb 2020 22:55

Report Released on (RRT) : 03 Feb 2020 18:41

: SERUM **Sample Type** 

Sample Received on (SRT)

**Barcode** 

Labcode : 0302017748/15668

Dr V Shobha Rani MD(Path)

: 03 Feb 2020 12:32

: P3987750

Dr.Caesar Sengupta MD(Micro)

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REPORT

NAME : MD IBRAHIM (28Y/M) : DR SADANAND G KORI,MD REF. BY

**TEST ASKED** : AAROGYAM B SAMPLE COLLECTED AT :

(15668), ROYAL LABORATORY, ROYAL COMPLEX, HUNGUNTA CROSS, OPP ABU BAKAR MASJID,

SHAHABAD,,585228

**TEST NAME TECHNOLOGY VALUE** UNITS

**EST. GLOMERULAR FILTRATION RATE (eGFR)** 

**CALCULATED** 

82

mL/min/1.73 m2

Reference Range :-

> = 90 : Normal 60 - 89 : Mild Decrease

: Mild to Moderate Decrease 45 - 59 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 ~~

Sample Collected on (SCT)

Sample Received on (SRT)

Report Released on (RRT)

Sample Type

Labcode

**Barcode** 

:02 Feb 2020 22:55

:03 Feb 2020 12:32

:03 Feb 2020 18:41

: SERUM

:0302017748/15668

: P3987750

Dr V Shobha Rani MD(Path)

Dr. Caesar Sengupta

MD(Micro) Page: 8 of 9

## 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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