

Report for Sachin(23Y/M)

Tests asked Ftes, Liver Function Tests + 6 Others

Test date 27 Jul 2024

Report status Complete Report



**6** STEP

quality control to ensure 100% report accuracy



Qualified and trained technicians



Temperature-controlled containers to store samples



Strict quality checks on samples before processing



Regular monitoring of lab analyzers by experts



Assured machine inspection on a daily basis



Verified reports by qualified pathologists



25+ Years of Trust & Experience



NABL Accredited Labs



100+ Crore Samples Processed

**Name** : SACHIN(23Y/M)  
**Ref. By** : SELF

**ADDRESS :**  
 2ND FLOOR RZ-26 GALI NO 21 VASHISTH PARK  
 NEW DELHI NEAR DESU COLONY BUS STAND  
 NEAR DESU COLONY BUS STAND AND  
 SHAKUNTALA HOSPITAL NANGAL RAYA DELHI

## Report Availability Summary

☒ Full Report Available

**Note** : This is summary page. Please refer to the table below for the details

Test	Report Status
<b>CARDIAC RISK MARKERS</b>	<input checked="" type="checkbox"/> Available
<b>ERYTHROCYTE SEDIMENTATION RATE (ESR)</b>	<input checked="" type="checkbox"/> Available
<b>FREE TESTOSTERONE</b>	<input checked="" type="checkbox"/> Available
<b>HEMOGRAM - 6 PART (DIFF)</b>	<input checked="" type="checkbox"/> Available
<b>KIDPRO</b>	<input checked="" type="checkbox"/> Available
<b>LIVER FUNCTION TESTS</b>	<input checked="" type="checkbox"/> Available
<b>T3-T4-USTSH</b>	<input checked="" type="checkbox"/> Available
TOTAL THYROXINE (T4)	<input checked="" type="checkbox"/> Available
TOTAL TRIIODOTHYRONINE (T3)	<input checked="" type="checkbox"/> Available
TSH - ULTRASENSITIVE	<input checked="" type="checkbox"/> Available
<b>VITAMIN D AND B12 COMBO</b>	<input checked="" type="checkbox"/> Available
25-OH VITAMIN D (TOTAL)	<input checked="" type="checkbox"/> Available
VITAMIN B-12	<input checked="" type="checkbox"/> Available

**NAME** : SACHIN(23Y/M)  
**REF. BY** : SELF  
**TEST ASKED** : CARDIAC RISK MARKERS,ESR,FREE  
 TESTOSTERONE,HEMOGRAM,KIDPRO,LIVER FUNCTION  
 TESTS,T3-T4-USTSH,VITAMIN D AND B12 COMBO

**HOME COLLECTION :**  
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 NEW DELHI NEAR DESU COLONY BUS STAND NEAR  
 DESU COLONY BUS STAND AND SHAKUNTALA  
 HOSPITAL NANGAL RAYA DELHI

TEST NAME	TECHNOLOGY	VALUE	UNITS
ERYTHROCYTE SEDIMENTATION RATE (ESR)	MODIFIED WESTERGREN	15	mm / hr

**Bio. Ref. Interval. :-**

Male : 0-15  
 Female : 0-20

**Please correlate with clinical conditions.**

**Method:-** MODIFIED WESTERGREN

**Sample Collected on (SCT)** : 27 Jul 2024 08:03  
**Sample Received on (SRT)** : 27 Jul 2024 12:11  
**Report Released on (RRT)** : 27 Jul 2024 16:27  
**Sample Type** : EDTA Whole Blood  
**Labcode** : 2707040796/PE003  
**Barcode** : CM688019



*Saakshi*

Dr Saakshi Mittal MD(Path)

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Note:- Underlined values are Critical Values, Clinician's attention required.

Clinically Tested by :Thyrocare Technologies Ltd - (NABL accredited)

**NAME :** SACHIN(23Y/M)  
**REF. BY :** SELF  
**TEST ASKED :** CARDIAC RISK MARKERS,ESR,FREE TESTOSTERONE,HEMOGRAM,KIDPRO,LIVER FUNCTION

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TEST NAME	METHODOLOGY	VALUE	UNITS	Bio. Ref. Interval.
TOTAL LEUCOCYTES COUNT (WBC)	HF & FC	7.35	X 10 <sup>3</sup> / µL	4.0 - 10.0
NEUTROPHILS	Flow Cytometry	51.1	%	40-80
<b>LYMPHOCYTE</b>	<b>Flow Cytometry</b>	<b><u>42.3</u></b>	<b>%</b>	<b>20-40</b>
MONOCYTES	Flow Cytometry	4.5	%	2-10
EOSINOPHILS	Flow Cytometry	1.6	%	1-6
BASOPHILS	Flow Cytometry	0.4	%	0-2
IMMATURE GRANULOCYTE PERCENTAGE(IG%)	Flow Cytometry	0.1	%	0-0.5
NEUTROPHILS - ABSOLUTE COUNT	Calculated	3.76	X 10 <sup>3</sup> / µL	2.0-7.0
<b>LYMPHOCYTES - ABSOLUTE COUNT</b>	<b>Calculated</b>	<b><u>3.11</u></b>	<b>X 10<sup>3</sup> / µL</b>	<b>1.0-3.0</b>
MONOCYTES - ABSOLUTE COUNT	Calculated	0.33	X 10 <sup>3</sup> / µL	0.2 - 1.0
BASOPHILS - ABSOLUTE COUNT	Calculated	0.03	X 10 <sup>3</sup> / µL	0.02 - 0.1
EOSINOPHILS - ABSOLUTE COUNT	Calculated	0.12	X 10 <sup>3</sup> / µL	0.02 - 0.5
IMMATURE GRANULOCYTES(IG)	Calculated	0.01	X 10 <sup>3</sup> / µL	0-0.3
TOTAL RBC	HF & EI	4.76	X 10 <sup>6</sup> /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	14.6	g/dL	13.0-17.0
HEMATOCRIT(PCV)	CPH Detection	44.6	%	40.0-50.0
MEAN CORPUSCULAR VOLUME(MCV)	Calculated	93.7	fL	83.0-101.0
MEAN CORPUSCULAR HEMOGLOBIN(MCH)	Calculated	30.7	pq	27.0-32.0
MEAN CORP.HEMO.CONC(MCHC)	Calculated	32.7	g/dL	31.5-34.5
<b>RED CELL DISTRIBUTION WIDTH - SD(RDW-SD)</b>	<b>Calculated</b>	<b><u>48.4</u></b>	<b>fL</b>	<b>39-46</b>
RED CELL DISTRIBUTION WIDTH (RDW-CV)	Calculated	13.9	%	11.6-14
<b>PLATELET DISTRIBUTION WIDTH(PDW)</b>	<b>Calculated</b>	<b><u>20.7</u></b>	<b>fL</b>	<b>9.6-15.2</b>
<b>MEAN PLATELET VOLUME(MPV)</b>	<b>Calculated</b>	<b><u>13.3</u></b>	<b>fL</b>	<b>6.5-12</b>
PLATELET COUNT	HF & EI	174	X 10 <sup>3</sup> / µL	150-410
<b>PLATELET TO LARGE CELL RATIO(PLCR)</b>	<b>Calculated</b>	<b><u>51.9</u></b>	<b>%</b>	<b>19.7-42.4</b>
PLATELETCRIT(PCT)	Calculated	0.23	%	0.19-0.39

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

**Clinical history is asked for all the relevant abnormalities detected and in absence / failure of receiving of clinical history, results are rechecked twice and released. Advised clinical correlation.**

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

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

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Dr Saakshi Mittal MD(Path)

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**NAME** : SACHIN(23Y/M)  
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 TESTOSTERONE,HEMOGRAM,KIDPRO,LIVER FUNCTION  
 TESTS,T3-T4-USTSH,VITAMIN D AND B12 COMBO

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TEST NAME	TECHNOLOGY	VALUE	UNITS
FREE TESTOSTERONE	E.L.I.S.A	1.24	pg/mL

**Bio. Ref. Interval. :-**

Male  
 < 12 Yrs : < 4.60  
 12-18 Yrs : 0.18 - 23.08  
 19-55 Yrs : 1.00 - 28.28  
 > 55 Yrs : 0.70 - 21.45  
 Female  
 < 12 Yrs : < 1.46  
 12-18 Yrs : < 2.24  
 19-55 Yrs : < 2.85  
 > 55 Yrs : < 1.56

**Please correlate with clinical conditions.**

**Method:-** SOLID PHASE ENZYME IMMUNOASSAY

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TEST NAME	TECHNOLOGY	VALUE	UNITS
25-OH VITAMIN D (TOTAL)	E.C.L.I.A	32.2	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. Vitamin 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 Competitive Immunoassay

VITAMIN B-12	E.C.L.I.A	456	pg/mL
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**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 Competitive Immunoassay

**Please correlate with clinical conditions.**

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TEST NAME	TECHNOLOGY	VALUE	UNITS
APOLIPOPROTEIN - A1 (APO-A1)	IMMUNOTURBIDIMETRY	122	mg/dL
<b>Bio. Ref. Interval. :</b> Male : 86 - 152 Female : 94 - 162 <b>Method :</b> FULLY AUTOMATED RATE IMMUNOTURBIDIMETRY – BECKMAN COULTER			
APOLIPOPROTEIN - B (APO-B)	IMMUNOTURBIDIMETRY	62	mg/dL
<b>Bio. Ref. Interval. :</b> Male : 56 - 145 Female : 53 - 138 <b>Method :</b> FULLY AUTOMATED RATE IMMUNOTURBIDIMETRY – BECKMAN COULTER			
APO B / APO A1 RATIO (APO B/A1)	CALCULATED	0.5	Ratio
<b>Bio. Ref. Interval. :</b> Male : 0.40 - 1.26 Female : 0.38 - 1.14 <b>Method :</b> Derived from serum Apo A1 and Apo B values			
<b>Please correlate with clinical conditions.</b>			

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TESTOSTERONE,HEMOGRAM,KIDPRO,LIVER FUNCTION  
TESTS,T3-T4-USTSH,VITAMIN D AND B12 COMBO**HOME COLLECTION :**2ND FLOOR RZ-26 GALI NO 21 VASHISTH PARK  
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TEST NAME	TECHNOLOGY	VALUE	UNITS
HIGH SENSITIVITY C-REACTIVE PROTEIN (HS-CRP)	IMMUNOTURBIDIMETRY	0.54	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

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Dr Saakshi Mittal MD(Path)

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TEST NAME	TECHNOLOGY	VALUE	UNITS
Lipoprotein (a) [Lp(a)]	IMMUNOTURBIDIMETRY	15	mg/dL

**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

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TEST NAME	TECHNOLOGY	VALUE	UNITS	Bio. Ref. Interval.
ALKALINE PHOSPHATASE	PHOTOMETRY	60.6	U/L	45-129
<b>BILIRUBIN - TOTAL</b>	<b>PHOTOMETRY</b>	<b><u>1.22</u></b>	<b>mg/dL</b>	<b>0.3-1.2</b>
BILIRUBIN -DIRECT	PHOTOMETRY	0.29	mg/dL	< 0.3
<b>BILIRUBIN (INDIRECT)</b>	<b>CALCULATED</b>	<b><u>0.93</u></b>	<b>mg/dL</b>	<b>0-0.9</b>
GAMMA GLUTAMYL TRANSFERASE (GGT)	PHOTOMETRY	10.3	U/L	< 55
ASPARTATE AMINOTRANSFERASE (SGOT )	PHOTOMETRY	20	U/L	< 35
ALANINE TRANSAMINASE (SGPT)	PHOTOMETRY	21.1	U/L	< 45
SGOT / SGPT RATIO	CALCULATED	0.95	Ratio	< 2
PROTEIN - TOTAL	PHOTOMETRY	7.63	gm/dL	5.7-8.2
ALBUMIN - SERUM	PHOTOMETRY	4.69	gm/dL	3.2-4.8
SERUM GLOBULIN	CALCULATED	2.94	gm/dL	2.5-3.4
SERUM ALB/GLOBULIN RATIO	CALCULATED	1.6	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 Bcg<sup>1</sup>method (Colorimetric Assay Endpoint)  
 SEGB - DERIVED FROM SERUM ALBUMIN AND PROTEIN VALUES  
 A/GR - Derived from serum Albumin and Protein values

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TEST NAME	TECHNOLOGY	VALUE	UNITS	Bio. Ref. Interval.
BLOOD UREA NITROGEN (BUN)	PHOTOMETRY	17.3	mg/dL	7.94 - 20.07
CREATININE - SERUM	PHOTOMETRY	0.77	mg/dL	0.72-1.18
BUN / SR.CREATININE RATIO	CALCULATED	22.47	Ratio	9:1-23:1
UREA (CALCULATED)	CALCULATED	37.02	mg/dL	Adult : 17-43
UREA / SR.CREATININE RATIO	CALCULATED	48.08	Ratio	< 52
CALCIUM	PHOTOMETRY	9.87	mg/dL	8.8-10.6
URIC ACID	PHOTOMETRY	5.6	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  
 UREAC - Derived from BUN Value.  
 UR/CR - Derived from UREA and Sr.Creatinine values.  
 CALC - Arsenazo III Method, End Point.  
 URIC - Uricase / Peroxidase Method

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TEST NAME	TECHNOLOGY	VALUE	UNITS	Bio. Ref. Interval.
<b>TOTAL TRIIODOTHYRONINE (T3)</b>	<b>E.C.L.I.A</b>	<b>69</b>	<b>ng/dL</b>	<b>80-200</b>
TOTAL THYROXINE (T4)	E.C.L.I.A	5.57	µg/dL	4.8-12.7
TSH - ULTRASENSITIVE	E.C.L.I.A	4.92	µIU/mL	0.54-5.30

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

**Method :**

T3 - Fully Automated Electrochemiluminescence Compititive Immunoassay  
 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.

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TEST NAME	TECHNOLOGY	VALUE	UNITS
EST. GLOMERULAR FILTRATION RATE (eGFR)	CALCULATED	128	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

~~ End of report ~~

**Sample Collected on (SCT)** : 27 Jul 2024 08:03  
**Sample Received on (SRT)** : 27 Jul 2024 12:25  
**Report Released on (RRT)** : 27 Jul 2024 18:48  
**Sample Type** : SERUM  
**Labcode** : 2707040992/PE003  
**Barcode** : CJ809182



*Saakshi*

Dr Saakshi Mittal MD(Path)

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Note:- Underlined values are Critical Values, Clinician's attention required.

Clinically Tested by :Thyrocare Technologies Ltd - (NABL accredited)

#### CONDITIONS OF REPORTING

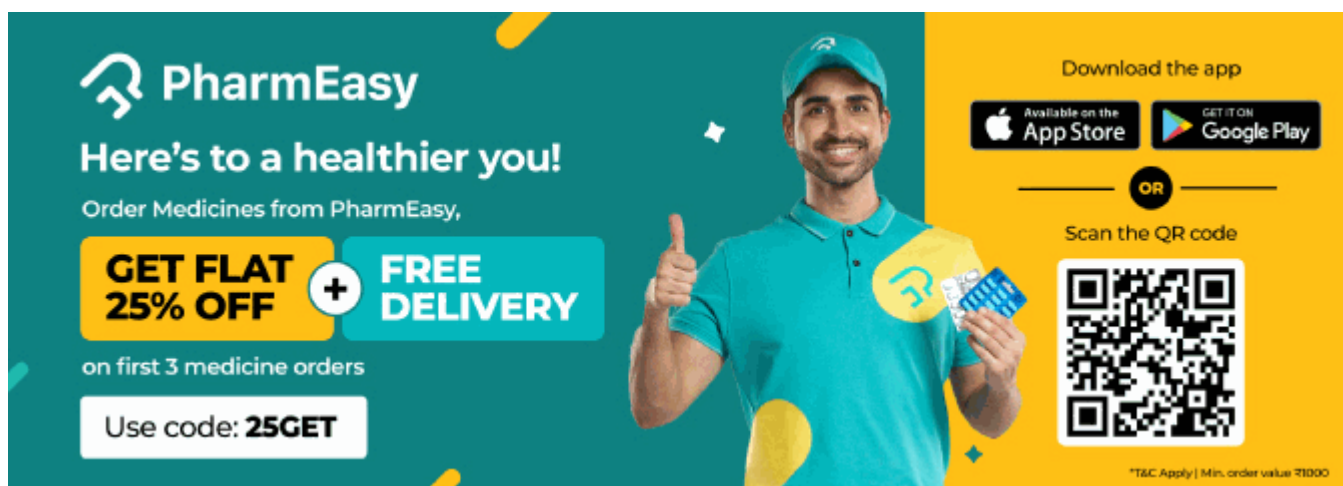
- ✓ The reported results are for information and interpretation of the referring doctor only.
- ✓ It is presumed that the tests performed on the specimen belong to the patient; named or identified.
- ✓ Results of tests may vary from laboratory to laboratory and also in some parameters from time to time 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.
- ✓ Docon Technologies Private Limited, Thyrocare Technologies Limited and its employees/representatives do not 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

- ✓ **Name** - The name is as declared by the client and recorded by the personnel who collected the specimen.
- ✓ **Ref.By** - 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).
- ✓ **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.
- ✓ For suggestions, complaints or feedback, write to us at [grievance-office@docon.co.in](mailto:grievance-office@docon.co.in) or call us on 7022000900.



The advertisement banner for PharmEasy features a smiling male delivery person in a blue uniform and cap, holding a smartphone. The background is split into teal and yellow sections. On the teal side, the PharmEasy logo is at the top, followed by the slogan 'Here's to a healthier you!' and 'Order Medicines from PharmEasy,'. A large yellow button displays 'GET FLAT 25% OFF' and a blue button displays 'FREE DELIVERY', with a plus sign between them. Below this, it says 'on first 3 medicine orders' and provides the code '25GET'. On the yellow side, it says 'Download the app' with 'Available on the App Store' and 'GET IT ON Google Play' buttons. Below these is a QR code with the text 'Scan the QR code' and 'OR' above it. A small disclaimer at the bottom right reads '\*T&C Apply | Min. order value ₹1000'.