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REPORT

NAME : Test
REF. BY : SELF
TEST ASKED : AAROGYAM C
PATIENTID : KK15250601

SAMPLE COLLECTED AT :
NEW DELHI, 110008

TESTNAME	TECHNOLOGY	VALUE	UNITS
APOLIPOPROTEIN-A1(APO-A1) Reference Range : Male : 86 -152 Female : 94 -162 Method : FULLY AUTOMATED RATE IMMUNOTURBIDIMETRY – BECKMANCOULTER	IMMUNOTURBIDIMETRY	151	mg/dL
APOLIPOPROTEIN-B(APO-B) Reference Range : Male : 56 -145 Female : 53 -138 Method : FULLY AUTOMATED RATE IMMUNOTURBIDIMETRY – BECKMANCOULTER	IMMUNOTURBIDIMETRY	67	mg/dL
APOB/APOA1RATIO(APOB/A1) Reference Range : Male : 0.40 -1.26 Female : 0.38 -1.14 Method : DERIVED FROM SERUM APO A1 AND APO B VALUES	CALCULATED	0.4	Ratio

Please correlate with clinical conditions.

SampleCollectedon(SCT) :15 Mar 2021 08:51
SampleReceivedon(SRT) : 15 Mar 2021 13:59
Report Released on(RRT) :15 Mar 2021 17:25
Sample Type : SERUM
Labcode : 1503028996/NCR22
Barcode : R2632150



Dr V Sandeep
Dr V SandeepMD(Path)

Dr. Caesar
Dr. Caesar SenguptaMD(Micro)

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TEST NAME	TECHNOLOGY	VALUE	UNITS
HIGHSENSITIVITY C-REACTIVE PROTEIN (HS-CRP)	IMMUNOTURBIDIMETRY	1.41	mg/L
ReferenceRange :-			

Adult : <=3.0 mg/L

Interpretation:

High sensitivity C-reactive protein, when used in conjunction with other clinical laboratory evaluation of acute coronary syndromes, may be useful as an independent marker of prognosis for recurrent events, in patients with stable coronary disease or acute coronary syndromes. hsCRP levels should not be substituted for assessment of traditional cardiovascular risk factors. Patients with persistently unexplained, marked elevation of hsCRP after repeated testing should be evaluated for non - cardiovascular etiologies

Clinical significance:

hsCRP measurements may be used as an independent risk marker for the identification of individuals at risk for future cardiovascular disease. Elevated CRP values may be indicative of prognosis of individuals with acute coronary syndromes, and may be useful in the management of such individuals.

Specifications: Precision: Within run %CV has been recorded <=5%.

References:

- Chenillot O, Henny J, Steinmez J, et al. High sensitivity C-reactive protein: biological variations and reference limits. Clin Chem Lab Med 2000; 38:1003-11.
- Hind CRH, Pepys MB. The role of serum C-reactive protein measurements in clinical practice. Int Med 1984; 5:112-51.

Please correlate with clinical conditions.

Method:- FULLY AUTOMATED LATEX AGGLUTINATION – BECKMAN COULTER

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TESTNAME	TECHNOLOGY	VALUE	UNITS
25-OH VITAMIN D(TOTAL)	C.L.I.A	6.84	ng/ml
Reference Range : DEFICIENCY : <20 ng/ml INSUFFICIENCY : 20-<30 ng/ml SUFFICIENCY : 30-100ng/ml TOXICITY : >100ng/ml			

Vitamin D Total test is analyzed on Siemens ADVIA Centaur, standardized against ID-LC/MS/MS, as per Vitamin D Standardization Program (VDSP).

Specifications: Intra assay (%CV):5.3%, Inter assay (%CV):11.9% ; Sensitivity:3.2 ng/ml

Method : FULLY AUTOMATED CHEMI LUMINESCENT IMMUNOASSAY

VITAMIN B-12	C.L.I.A	380	pg/ml
Reference Range : Normal : 211 - 911 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):5.0%, Inter assay (%CV):9.2 %; Sensitivity:45 pg/ml

External quality control program participation:

College of American pathologists: ligand assay (general) survey; CAP number: 7193855-01

Kit validation references:

Chen IW, Sperling MI, Heminger IA. Vitamin B12. In: Pesce AJ, Kalpan LA, editors. Methods in clinical chemistry. St. Louis: CV Mosby, 1987. P. 569-73.

Method : FULLY AUTOMATED BIDIRECTIONALLY INTERFACED CHEMI LUMINESCENT IMMUNOASSAY

Please correlate with clinical conditions.

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NAME : Test
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TEST ASKED : AAROGYAM C

SAMPLE COLLECTED AT :
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PATIENTID : KK15250601

TEST NAME	TECHNOLOGY	VALUE	UNITS
LIPOPROTEIN(A)[LP(A)]	IMMUNOTURBIDIMETRY	3.53	mg/dl
Reference Range :-			

Adults : < 30.0 mg/dl

Interpretation:

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

Specifications:

Precision: Intra Assay (%CV): 3.4 %, Inter Assay (%CV): 2.0 %; Sensitivity: 0.002 gm/l

External Quality Control Program Participation:

College of American Pathologists: General Chemistry and TDM; CAP Number: 7193855-01


Kit Validation References:

Koschinsky ML, Marcovina SM. Lipoprotein A: Structural Implication for Pathophysiology. Int J Clin Lab Res, 1997; 27: 14-23.

Please correlate with clinical conditions.

Method:- LATEX ENHANCED IMMUNOTURBIDIMETRY

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PATIENTID : KK15250601

TEST NAME	TECHNOLOGY	VALUE	UNITS
TESTOSTERONE	C.L.I.A	32.76	ng/dL
ReferenceRange :-			

Adult Male
21 - 49Yrs: 164.94 -753.38
50 - 89Yrs: 86.49 -788.22
Adult Female
Pre-Menopause: 12.09 -59.46
Post-Menopause: < 7.00 - 48.93
Boys
2-10Years : < 7.00 -25.91
11Years : < 7.00 -341.53
12Years : < 7.00 -562.59
13Years : 9.34 -562.93
14Years : 23.28 -742.46
15Years : 144.15 -841.44
16-21 Years : 118.22 - 948.56
Girls
2-10Years : < 7.00 -108.30
11-15 Years : < 7.00 -48.40
16-21Years : 17.55 -50.41

Clinical Significance:

Clinical evaluation of serum testosterone, along with serum LH, assists in evaluation of Hypogonadal males. Major causes of low testosterone in males include Hypogonadotropic hypogonadism, testicular failure, Hyperprolactinemia, Hypopituitarism, some types of liver and kidney diseases and critical illness.

Specifications: Precision: Intraassay (%CV): 8.5%, Interassay (%CV): 12.6%; Sensitivity: 7ng/dL.

External quality control program participation:

College of American pathologists: Ligand assay (special) survey; cap number: 7193855-01

Please correlate with clinical conditions.

Method:- FULLY AUTOMATED BIDIRECTIONALLY INTERFACED CHEMI LUMINESCENT IMMUNO ASSAY

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TESTNAME	TECHNOLOGY	VALUE	UNITS
IRON Reference Range : Male : 65 - 175 Female : 50 - 170 Method : FERROZINE METHOD WITHOUT DEPROTEINIZATION	PHOTOMETRY	40.8	µg/dl
TOTAL IRON BINDING CAPACITY (TIBC) Reference Range : Male: 225 - 535 µg/dl Female: 215 - 535 µg/dl Method : SPECTROPHOTOMETRIC ASSAY	PHOTOMETRY	454.97	µg/dl
% TRANSFERRIN SATURATION Reference Range : 13 - 45 Method : DERIVED FROM IRON AND TIBC VALUES	CALCULATED	8.97	%

Please correlate with clinical conditions.

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TESTNAME	TECHNOLOGY	VALUE	UNITS	NORMAL RANGE
TOTAL CHOLESTEROL	PHOTOMETRY	168	mg/dl	125-200
HDL CHOLESTEROL-DIRECT	PHOTOMETRY	70	mg/dl	35-80
LDL CHOLESTEROL-DIRECT	PHOTOMETRY	82	mg/dl	85-130
TRIGLYCERIDES	PHOTOMETRY	78	mg/dl	25-200
TC/ HDL CHOLESTEROL RATIO	CALCULATED	2.4	Ratio	3 - 5
LDL / HDL RATIO	CALCULATED	1.2	Ratio	1.5-3.5
VLDL CHOLESTEROL	CALCULATED	15.6	mg/dl	5 -40
NON-HDL CHOLESTEROL	CALCULATED	98.12	mg/dl	<160

Please correlate with clinical conditions.

Method :

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.

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TESTNAME	TECHNOLOGY	VALUE	UNITS	NORMAL RANGE
ALKALINEPHOSPHATASE	PHOTOMETRY	47.68	U/L	45 - 129
BILIRUBIN-TOTAL	PHOTOMETRY	0.74	mg/dl	0.3-1.2
BILIRUBIN-DIRECT	PHOTOMETRY	0.23	mg/dl	<0.3
BILIRUBIN(INDIRECT)	CALCULATED	0.51	mg/dl	0-0.9
GAMMA GLUTAMYLTRANSFERASE(GGT)	PHOTOMETRY	19.29	U/l	<38
ASPARTATE AMINOTRANSFERASE(SGOT)	PHOTOMETRY	22.48	U/l	<31
ALANINETRANSAMINASE(SGPT)	PHOTOMETRY	16.71	U/l	<34
PROTEIN-TOTAL	PHOTOMETRY	7.04	gm/dl	5.7-8.2
ALBUMIN-SERUM	PHOTOMETRY	4.17	gm/dl	3.2-4.8
SERUMALB/GLOBULINRATIO	CALCULATED	1.45	Ratio	0.9 -2
SERUMGLOBULIN	PHOTOMETRY	2.87	gm/dL	2.5-3.4

Please correlate with clinical conditions.**Method :**

ALKP - MODIFIED IFCC METHOD

BILT - VANADATE OXIDATION

BILD - VANADATE OXIDATION

BILI-DERIVEDFROMSERUMTOTALANDDIRECTBILIRUBINVALUES GGT

- MODIFIED IFCCMETHOD

SGOT-IFCC*WITHOUTPYRIDOXALPHOSPHATEACTIVATION

SGPT-IFCC*WITHOUTPYRIDOXALPHOSPHATEACTIVATION

PROT - BIURETMETHOD

SALB-ALBUMINBCG¹METHOD(COLORIMETRICASSAYENDPOINT)

A/GR - DERIVED FROM SERUM ALBUMIN AND PROTEIN VALUES

SEGB-DERIVEDFROMSERUMALBUMINANDPROTEINVALUES

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TESTNAME	TECHNOLOGY	VALUE	UNITS	REFERENCERANGE
TOTALTRIIODOTHYRONINE(T3)	C.L.I.A	139	ng/dl	60-200
TOTALTHYROXINE(T4)	C.L.I.A	8	µg/dl	4.5-12
THYROID STIMULATINGHORMONE(TSH)	C.L.I.A	2.50	µIU/ml	0.3-5.5

Comments: SUGGESTINGTHYRONORMALCY

Please correlate with clinical conditions.

Method :

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

Pregnancy reference ranges for TSH

1st Trimester : 0.10 - 2.50

2ndTrimester:0.20-3.00


3rdTrimester:0.30-3.00

Reference:

GuidelinesofAmericanThyroidAssociationfortheDiagnosisandManagementofThyroidDiseaseDuring
Pregnancy and Postpartum, Thyroid, 2011, 21;1-46

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REPORT**NAME** : Test**REF. BY** : SELF**TEST ASKED** : AAROGRAM C**PATIENTID** : KK15250601**SAMPLE COLLECTED AT :**

NEW DELHI, 110008

TESTNAME	TECHNOLOGY	VALUE	UNITS	NORMALRANGE
BLOOD UREANITROGEN(BUN)	PHOTOMETRY	11.47	mg/dl	7 - 25
CREATININE-SERUM	PHOTOMETRY	0.65	mg/dl	0.5-0.8
BUN /SR.CREATININERATIO	CALCULATED	17.65	Ratio	9:1-23:1
CALCIUM	PHOTOMETRY	9.12	mg/dl	8.8-10.6
URICACID	PHOTOMETRY	3.53	mg/dl	3.2 -6.1

Please correlate with clinical conditions.**Method :**

BUN - KINETIC UV ASSAY.

SCRE - CREATININE ENZYMATIC METHOD

B/CR-DERIVEDFROMSERUMBUNANDCREATININEVALUES

CALC - ARSENAZO III METHOD, ENDPOINT.

URIC - URICASE / PEROXIDASE METHOD

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TEST NAME	TECHNOLOGY	VALUE	UNITS
EST.GLOMERULAR FILTRATION RATE (eGFR)	CALCULATED	121	mL/min/1.73m ²
ReferenceRange :-			

>=90 : Normal
60 - 89 : MildDecrease
45-59 : Mild to ModerateDecrease
30 - 44 : Moderate to Severe Decrease
15 - 29 : SevereDecrease

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

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REPORT

NAME : Test
REF. BY : SELF
TEST ASKED : HbA1c, HEMOGRAM
PATIENTID : KK15250601

SAMPLE COLLECTED AT :
NEW DELHI, 110008

TESTNAME	TECHNOLOGY	VALUE	UNITS
HbA1c - (HPLC)	H.P.L.C	5.7	%

Reference Range :

Reference Range: As per ADA Guidelines	Guidance For Known Diabetics
Below 5.7% : Normal 5.7% - 6.4% : Prediabetic >=6.5% : Diabetic	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

AVERAGE BLOOD GLUCOSE (ABG)	CALCULATED	117	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) : 15 Mar 2021 08:51
Sample Received on (SRT) : 15 Mar 2021 14:10
Report Released on (RRT) : 15 Mar 2021 16:03
Sample Type : EDTA
Labcode : 1503029222/NCR22
Barcode : R9069660


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NEW DELHI, 110008

TEST NAME	VALUE	UNITS	REFERENCE RANGE
TOTAL LEUCOCYTES COUNT	6.18	X 10 ³ / μ L	4.0-10.0
NEUTROPHILS	59.6	%	40-80
LYMPHOCYTE PERCENTAGE	34.3	%	20.0-40.0
MONOCYTES	3.9	%	0.0-10.0
EOSINOPHILS	1.8	%	0.0-6.0
BASOPHILS	0.2	%	<2
IMMATURE GRANULOCYTE PERCENTAGE(IG%)	0.2	%	0.0-0.4
NEUTROPHILS - ABSOLUTE COUNT	3.68	X 10 ³ / μ L	2.0-7.0
LYMPHOCYTES - ABSOLUTE COUNT	2.12	X 10 ³ / μ L	1.0-3.0
MONOCYTES - ABSOLUTE COUNT	0.24	X 10 ³ / μ L	0.2-1.0
BASOPHILS - ABSOLUTE COUNT	0.01	X 10³ / μL	0.02-0.1
EOSINOPHILS - ABSOLUTE COUNT	0.11	X 10 ³ / μ L	0.02-0.5
IMMATURE GRANULOCYTES(IG)	0.01	X 10 ³ / μ L	0.0-0.3
TOTAL RBC	4.62	X 10 ⁶ / μ L	3.9-4.8
NUCLEATED RED BLOOD CELLS	Nil	X 10 ³ / μ L	<0.01
NUCLEATED RED BLOOD CELLS %	Nil	%	<0.01
HEMOGLOBIN	12	g/dL	12.0-15.0
HEMATOCRIT(PCV)	40.5	%	36.0-46.0
MEAN CORPUSCULAR VOLUME(MCV)	87.7	fL	83.0-101.0
MEAN CORPUSCULAR HEMOGLOBIN(MCH)	26	pq	27.0-32.0
MEAN CORP. HEMO. CONC(MCHC)	29.6	g/dL	31.5-34.5
RED CELL DISTRIBUTION WIDTH - SD(RDW-SD)	44	fL	39.0-46.0
RED CELL DISTRIBUTION WIDTH (RDW-CV)	13.7	%	11.6-14.0
PLATELET DISTRIBUTION WIDTH(PDW)	13.9	fL	9.6-15.2
MEAN PLATELET VOLUME(MPV)	11.8	fL	6.5-12
PLATELET COUNT	295	X 10 ³ / μ L	150-400
PLATELET TO LARGE CELL RATIO(PLCR)	39	%	19.7-42.4
PLATELETCRIT(PCT)	0.35	%	0.19-0.39

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)

~~ End of report ~~

Sample Collected on (SCT)

: 15Mar2021 08:51

Sample Received on (SRT)

: 15Mar2021 14:10

Report Released on (RRT)

: 15Mar2021 16:03

Sample Type

: EDTA

Labcode

: 1503029222/NCR22

Barcode

: R9069660

Dr V Sandeep MD (Path)

Dr. Caesar Sengupta MD (Micro)

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CUSTOMER DETAILS

As declared in our data base

Name: HARPREETKAUR **Age:** 28Y **Sex:** F **Mobile No:**8010021002

Barcodes/Sample_Type : R9069660 (EDTA),R2632150(SERUM)
Labcode :1503029222,1503028996
RefBy :SELF
Sample_Type/Tests : EDTA:HEMOGRAM - 6 PART (DIFF) ,HBA
SERUM:AAROGYAM C
SampleCollectedAt : I - 75 BACKSIDE WEST PATEL NAGAR, -, NEW DELHI,110008
Sample Collectedon(SCT) : 15 Mar 202108:51
Report Releasedon(RRT) : 15 Mar 202116:03
AmountCollected : Rs.801/- (eight hundred and one only)

Thyrocare,D-37/1,MIDC,Turbhe,Navi Mumbai - 400703. | Phone:022 - 67123400 | www.thyrocare.com | info@thyrocare.com

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.
- ✓ Thyrocare Discovery video link :- <https://youtu.be/nbdYeRgYyQc>
- ✓ For clinical support please contact @8450950851, 8450950852, 8450950853, 8450950854 between 10:00 to 18:00

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 recorded 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- The time when the specimen reached our laboratory.
- ✓ **RRT**- Report Releasing Time- The time when our pathologist has released the values for Reporting.
- ✓ **Reference Range**- Mean 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 / 6712 3400**
- ✓ SMS: <Labcode No.> to **9870666333**

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Testing



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Food Intolerance Profile

9 categories including 217 food items

▶ Meat (16)	▶ Dairy (9)	▶ Vegetables (39)
▶ Cereals (18)	▶ Fish (38)	▶ Spices (31)
▶ Nuts (11)	▶ Fruits (38)	▶ Miscellaneous (17)

**Follow elimination diet...
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