Thyrocare

Tests you can trust

Name : Mr Jezra Emmanuel (21Y/M)

Date : 15 Aug 2024

Test Asked : Aarogyam C Pro Including Crm With Utsh, Fbs

Report Status: Complete Report

9 out of 10 Doctors trust that Thyrocare **reports are accurate & reliable***

98% Reports released within **06 Hours** of sample reaching the lab+

Samples Processed in **NABL Accredited** Labs#

700+ Tests & Profiles

Temperature-Controlled Sample Logistics

Unique Barcode Tracking & Reports with QR Code Verification

Fully Automated Machines Inspected Daily

Abnormal Values Re-Checked Twice

Reports Verified By Expert MD Pathologists Stationed at Every Lab

Accredited by

NABL From 2005#

ISO 9001: 2015 - From 2015

CAP From 2007

PROCESSED AT :

Thyrocare
Seshans Complex, No.140,
Anna Salai, Saidapet,
Chennai - 600 015

MC-5457

Thyrocare
Tests you can trust

Thyrocare Technologies Limited, D-37/3, TTC MIDC, Turbhe, Navi Mumbai - 400703 98706 66333 wellness@thyrocare.com

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

NAME	: MR JEZRA EMMANUEL (21Y/M)	**SAMPLE COLLECTED AT :**
REF. BY	: EM HEALTH	(6001060121),EM HEALTH CARE,CHENNAI TAMIL NADU 600106, INDIA,600106
TEST ASKED	: AAROGYAM C PRO INCLUDING CRM WITH UTSH,FBS	

Summary Report

Tests outside reference range

TEST NAME	OBSERVED VALUE	UNITS	Bio. Ref. Interval.
COMPLETE HEMOGRAM			
LYMPHOCYTES - ABSOLUTE COUNT	3.58	X 10^3 / µL	1.0-3.0
NEUTROPHILS - ABSOLUTE COUNT	7.44	X 10^3 / µL	2.0-7.0
RED CELL DISTRIBUTION WIDTH - SD(RDW-SD)	37.1	fL	39-46
TOTAL LEUCOCYTES COUNT (WBC)	11.81	X 10^3 / µL	4.0 - 10.0
TOTAL RBC	5.61	X 10^6/µL	4.5-5.5
DIABETES			
AVERAGE BLOOD GLUCOSE (ABG)	88	mg/dL	90-120
LIPID			
HDL / LDL RATIO	0.36	Ratio	> 0.40
LDL CHOLESTEROL - DIRECT	112	mg/dL	< 100
LIVER			
ASPARTATE AMINOTRANSFERASE (SGOT)	36.1	U/L	< 35
SERUM GLOBULIN	3.75	gm/dL	2.5-3.4
VITAMINS			
25-OH VITAMIN D (TOTAL)	29.68	ng/mL	30-100

Disclaimer: The above listed is the summary of the parameters with values outside the BRI. For detailed report values, parameter correlation and clinical interpretation, kindly refer to the same in subsequent pages.

PROCESSED AT :
Thyrocare
Seshans Complex, No.140,
Anna Salai, Saidapet,
Chennai - 600 015

MC-5457

Thyrocare
Tests you can trust

Thyrocare Technologies Limited, D-37/3, TTC MIDC, Turbhe, Navi Mumbai - 400703 98706 66333 wellness@thyrocare.com

NAME : MR JEZRA EMMANUEL (21Y/M)
REF. BY : EM HEALTH
TEST ASKED : AAROGYAM C PRO INCLUDING CRM WITH UTSH

SAMPLE COLLECTED AT :
(6001060121),EM HEALTH CARE,CHENNAI TAMIL NADU 600106, INDIA,600106

TEST NAME	TECHNOLOGY	VALUE	UNITS
25-OH VITAMIN D (TOTAL)	**C.L.I.A**	**29.68**	**ng/mL**

Bio. Ref. Interval. :
DEFICIENCY : <20 ng/ml || INSUFFICIENCY : 20-<30 ng/ml
SUFFICIENCY : 30-100 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):5.3%, Inter assay (%CV):11.9% ; Sensitivity:3.2 ng/ml.

Kit Validation Reference: Holick MF. Vitamin D Deficiency. N Engl J Med. 2007;357:266–81.

Method : Fully Automated Chemi Luminescent Immuno Assay

VITAMIN B-12	C.L.I.A	254	pg/mL

Bio. Ref. Interval. :

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

Kit Validation reference:
Chen IW, Sperling MI, Heminger LA. Vitamin B12. In: Pesce AJ, Kaplan LA, eds. Methods in Clinical Chemistry. St. Louis: CV Mosby; 1987:569–73.

Method : COMPETITIVE CHEMI LUMINESCENT IMMUNO ASSAY

Please correlate with clinical conditions.

Sample Collected on (SCT) : 15 Aug 2024 06:12
Sample Received on (SRT) : 15 Aug 2024 12:29
Report Released on (RRT) : 15 Aug 2024 15:33
Sample Type : SERUM
Labcode : 1508074117/CHE34
Barcode : CH634359

S. Nalina Jeya

Dr Nalina MD (Path)

PROCESSED AT :
Thyrocare
Seshans Complex, No.140,
Anna Salai, Saidapet,
Chennai - 600 015

MC-5457

Thyrocare
Tests you can trust

NAME : MR JEZRA EMMANUEL (21Y/M)
REF. BY : EM HEALTH
TEST ASKED : AAROGYAM C PRO INCLUDING CRM WITH UTSH

SAMPLE COLLECTED AT :
(6001060121),EM HEALTH CARE,CHENNAI TAMIL NADU 600106, INDIA,600106

TEST NAME	TECHNOLOGY	VALUE	UNITS
APOLIPOPROTEIN - A1 (APO-A1)	IMMUNOTURBIDIMETRY	98	mg/dL

Bio. Ref. Interval. :
Male : 86 - 152
Female : 94 - 162

Method : FULLY AUTOMATED RATE IMMUNOTURBIDIMETRY – BECKMAN COULTER

APOLIPOPROTEIN - B (APO-B)	IMMUNOTURBIDIMETRY	76	mg/dL

Bio. Ref. Interval. :
Male : 56 - 145
Female : 53 - 138

Method : FULLY AUTOMATED RATE IMMUNOTURBIDIMETRY – BECKMAN COULTER

APO B / APO A1 RATIO (APO B/A1)	CALCULATED	0.8	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.

Sample Collected on (SCT) : 15 Aug 2024 06:12
Sample Received on (SRT) : 15 Aug 2024 12:29
Report Released on (RRT) : 15 Aug 2024 15:33
Sample Type : SERUM
Labcode : 1508074117/CHE34
Barcode : CH634359

S. Nalina Priya
Dr Nalina MD (Path)

PROCESSED AT :

Thyrocare
Seshans Complex, No.140,
Anna Salai, Saidapet,
Chennai - 600 015

Thyrocare
Tests you can trust

Thyrocare Technologies Limited, D-37/3, TTC MIDC, Turbhe, Navi Mumbai - 400703 98706 66333 wellness@thyrocare.com

NAME : MR JEZRA EMMANUEL (21Y/M)
REF. BY : EM HEALTH
TEST ASKED : AAROGYAM C PRO INCLUDING CRM WITH UTSH

SAMPLE COLLECTED AT :
(6001060121),EM HEALTH CARE,CHENNAI TAMIL NADU 600106, INDIA,600106

TEST NAME	TECHNOLOGY	VALUE	UNITS
HIGH SENSITIVITY C-REACTIVE PROTEIN (HS-CRP)	IMMUNOTURBIDIMETRY	0.49	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) : 15 Aug 2024 06:12
Sample Received on (SRT) : 15 Aug 2024 12:29
Report Released on (RRT) : 15 Aug 2024 15:33
Sample Type : SERUM
Labcode : 1508074117/CHE34
Barcode : CH634359

S. Nalina Jiya
Dr Nalina MD (Path)

PROCESSED AT :

Thyrocare
Seshans Complex, No.140,
Anna Salai, Saidapet,
Chennai - 600 015

MC-5457

Thyrocare
Tests you can trust

Thyrocare Technologies Limited, D-37/3, TTC MIDC, Turbhe, Navi Mumbai - 400703 98706 66333 wellness@thyrocare.com

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

NAME : MR JEZRA EMMANUEL (21Y/M)
REF. BY : EM HEALTH
TEST ASKED : AAROGYAM C PRO INCLUDING CRM WITH UTSH

SAMPLE COLLECTED AT :
(6001060121),EM HEALTH CARE,CHENNAI TAMIL NADU 600106, INDIA,600106

TEST NAME	TECHNOLOGY	VALUE	UNITS
LIPOPROTEIN (A) [LP(A)]	IMMUNOTURBIDIMETRY	< 2	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

Sample Collected on (SCT) : 15 Aug 2024 06:12
Sample Received on (SRT) : 15 Aug 2024 12:29
Report Released on (RRT) : 15 Aug 2024 15:33
Sample Type : SERUM
Labcode : 1508074117/CHE34
Barcode : CH634359

S. Nalina Jinja

Dr Nalina MD (Path)

PROCESSED AT :

Thyrocare
Seshans Complex, No.140,
Anna Salai, Saidapet,
Chennai - 600 015

Thyrocare
Tests you can trust

Thyrocare Technologies Limited, D-37/3, TTC MIDC, Turbhe, Navi Mumbai - 400703 98706 66333 wellness@thyrocare.com

NAME : MR JEZRA EMMANUEL (21Y/M)
REF. BY : EM HEALTH
TEST ASKED : AAROGYAM C PRO INCLUDING CRM WITH UTSH

SAMPLE COLLECTED AT :
(6001060121),EM HEALTH CARE,CHENNAI TAMIL NADU 600106, INDIA,600106

TEST NAME	TECHNOLOGY	VALUE	UNITS
TESTOSTERONE	C.L.I.A	581.33	ng/dL

Bio. Ref. Interval. :-

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

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

Specifications: Precision: Intra assay (%CV): 8.5 %, Inter assay (%CV): 12.6%; Sensitivity: 7 ng/dL.

Kit Validation Reference: Kicklighter EJ, Norman RJ. The gonads. In: Kaplan LA, Pesce AJ, eds. Clinical Chemistry: Theory, Analysis, Correlation. 2nd ed. St. Louis: CV Mosby; 1989:657–662.

Please correlate with clinical conditions.
Method:- COMPETITIVE CHEMI LUMINESCENT IMMUNO ASSAY

Sample Collected on (SCT) : 15 Aug 2024 06:12
Sample Received on (SRT) : 15 Aug 2024 12:29
Report Released on (RRT) : 15 Aug 2024 15:33
Sample Type : SERUM
Labcode : 1508074117/CHE34
Barcode : CH634359

S. Nalina Jiya
Dr Nalina MD (Path)

PROCESSED AT :
Thyrocare
Seshans Complex, No.140,
Anna Salai, Saidapet,
Chennai - 600 015

MC-5457

Thyrocare
Tests you can trust

NAME : MR JEZRA EMMANUEL (21Y/M)
REF. BY : EM HEALTH
TEST ASKED : AAROGYAM C PRO INCLUDING CRM WITH UTSH

SAMPLE COLLECTED AT :
(6001060121),EM HEALTH CARE,CHENNAI TAMIL NADU 600106, INDIA,600106

TEST NAME	TECHNOLOGY	VALUE	UNITS
IRON	PHOTOMETRY	67.88	µg/dL
Bio. Ref. Interval. : Male : 65 - 175 Female : 50 - 170			
Method : Ferrozine method without deproteinization			
TOTAL IRON BINDING CAPACITY (TIBC)	PHOTOMETRY	295.04	µg/dL
Bio. Ref. Interval. : Male: 225 - 535 µg/dl Female: 215 - 535 µg/dl			
Method : Spectrophotometric Assay			
% TRANSFERRIN SATURATION	CALCULATED	23.01	%
Bio. Ref. Interval. : 13 - 45			
Method : Derived from IRON and TIBC values			
UNSAT.IRON-BINDING CAPACITY(UIBC)	PHOTOMETRY	227.16	µg/dL
Bio. Ref. Interval. : 162 - 368			
Method : SPECTROPHOTOMETRIC ASSAY			

Please correlate with clinical conditions.

Sample Collected on (SCT) : 15 Aug 2024 06:12
Sample Received on (SRT) : 15 Aug 2024 12:29
Report Released on (RRT) : 15 Aug 2024 15:33
Sample Type : SERUM
Labcode : 1508074117/CHE34
Barcode : CH634359

S. Nalina Priya

Dr Nalina MD (Path)

PROCESSED AT :
Thyrocare
Seshans Complex, No.140,
Anna Salai, Saidapet,
Chennai - 600 015

NAME : MR JEZRA EMMANUEL (21Y/M)
REF. BY : EM HEALTH
TEST ASKED : AAROGYAM C PRO INCLUDING CRM WITH UTSH

SAMPLE COLLECTED AT :
(6001060121),EM HEALTH CARE,CHENNAI TAMIL NADU 600106, INDIA,600106

TEST NAME	TECHNOLOGY	VALUE	UNITS	Bio. Ref. Interval.
TOTAL CHOLESTEROL	PHOTOMETRY	170	mg/dL	< 200
HDL CHOLESTEROL - DIRECT	PHOTOMETRY	41	mg/dL	40-60
LDL CHOLESTEROL - DIRECT	**PHOTOMETRY**	**112**	**mg/dL**	**< 100**
TRIGLYCERIDES	PHOTOMETRY	92	mg/dL	< 150
TC/ HDL CHOLESTEROL RATIO	CALCULATED	4.2	Ratio	3 - 5
TRIG / HDL RATIO	CALCULATED	2.25	Ratio	< 3.12
LDL / HDL RATIO	CALCULATED	2.7	Ratio	1.5-3.5
HDL / LDL RATIO	**CALCULATED**	**0.36**	**Ratio**	**> 0.40**
NON-HDL CHOLESTEROL	CALCULATED	129.1	mg/dL	< 160
VLDL CHOLESTEROL	CALCULATED	18.43	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) : 15 Aug 2024 06:12
Sample Received on (SRT) : 15 Aug 2024 12:29
Report Released on (RRT) : 15 Aug 2024 15:33
Sample Type : SERUM
Labcode : 1508074117/CHE34
Barcode : CH634359

S. Nalina Priya

Dr Nalina MD (Path)

PROCESSED AT :
Thyrocare
Seshans Complex, No.140,
Anna Salai, Saidapet,
Chennai - 600 015

MC-5457

Thyrocare
Tests you can trust

Thyrocare Technologies Limited, D-37/3, TTC MIDC, Turbhe, Navi Mumbai - 400703 98706 66333 wellness@thyrocare.com

NAME : MR JEZRA EMMANUEL (21Y/M)
REF. BY : EM HEALTH
TEST ASKED : AAROGYAM C PRO INCLUDING CRM WITH UTSH

SAMPLE COLLECTED AT :
(6001060121),EM HEALTH CARE,CHENNAI TAMIL NADU 600106, INDIA,600106

TEST NAME	TECHNOLOGY	VALUE	UNITS	Bio. Ref. Interval.
ALKALINE PHOSPHATASE	PHOTOMETRY	79.7	U/L	45-129
BILIRUBIN - TOTAL	PHOTOMETRY	0.63	mg/dL	0.3-1.2
BILIRUBIN -DIRECT	PHOTOMETRY	0.16	mg/dL	< 0.3
BILIRUBIN (INDIRECT)	CALCULATED	0.47	mg/dL	0-0.9
GAMMA GLUTAMYL TRANSFERASE (GGT)	PHOTOMETRY	15.4	U/L	< 55
ASPARTATE AMINOTRANSFERASE (SGOT)	**PHOTOMETRY**	**36.1**	**U/L**	**< 35**
ALANINE TRANSAMINASE (SGPT)	PHOTOMETRY	24.1	U/L	< 45
SGOT / SGPT RATIO	CALCULATED	1.5	Ratio	< 2
PROTEIN - TOTAL	PHOTOMETRY	7.71	gm/dL	5.7-8.2
ALBUMIN - SERUM	PHOTOMETRY	3.96	gm/dL	3.2-4.8
SERUM GLOBULIN	**CALCULATED**	**3.75**	**gm/dL**	**2.5-3.4**
SERUM ALB/GLOBULIN RATIO	CALCULATED	1.06	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) : 15 Aug 2024 06:12
Sample Received on (SRT) : 15 Aug 2024 12:29
Report Released on (RRT) : 15 Aug 2024 15:33
Sample Type : SERUM
Labcode : 1508074117/CHE34
Barcode : CH634359

S. Nalina Priya

Dr Nalina MD (Path)

PROCESSED AT :
Thyrocare
Seshans Complex, No.140,
Anna Salai, Saidapet,
Chennai - 600 015

Thyrocare
Tests you can trust

Thyrocare Technologies Limited, D-37/3, TTC MIDC, Turbhe, Navi Mumbai - 400703 98706 66333 wellness@thyrocare.com

NAME : MR JEZRA EMMANUEL (21Y/M)
REF. BY : EM HEALTH
TEST ASKED : AAROGYAM C PRO INCLUDING CRM WITH UTSH

SAMPLE COLLECTED AT :
(6001060121),EM HEALTH CARE,CHENNAI TAMIL NADU 600106, INDIA,600106

TEST NAME	TECHNOLOGY	VALUE	UNITS	Bio. Ref. Interval.
BLOOD UREA NITROGEN (BUN)	PHOTOMETRY	11.49	mg/dL	7.94 - 20.07
CREATININE - SERUM	PHOTOMETRY	0.76	mg/dL	0.72-1.18
BUN / SR.CREATININE RATIO	CALCULATED	15.12	Ratio	9:1-23:1
UREA (CALCULATED)	CALCULATED	24.59	mg/dL	Adult : 17-43
UREA / SR.CREATININE RATIO	CALCULATED	32.35	Ratio	< 52
CALCIUM	PHOTOMETRY	9.91	mg/dL	8.8-10.6
URIC ACID	PHOTOMETRY	5.2	mg/dL	4.2 - 7.3
SODIUM	I.S.E	140.5	mmol/L	136 - 145
CHLORIDE	I.S.E	102.1	mmol/L	98 - 107

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
SOD - ION SELECTIVE ELECTRODE
CHL - ION SELECTIVE ELECTRODE

Sample Collected on (SCT) : 15 Aug 2024 06:12
Sample Received on (SRT) : 15 Aug 2024 12:29
Report Released on (RRT) : 15 Aug 2024 15:33
Sample Type : SERUM
Labcode : 1508074117/CHE34
Barcode : CH634359

S. Nalina Priya
Dr Nalina MD (Path)

PROCESSED AT :

Thyrocare
Seshans Complex, No.140,
Anna Salai, Saidapet,
Chennai - 600 015

Thyrocare
Tests you can trust

Thyrocare Technologies Limited, D-37/3, TTC MIDC, Turbhe, Navi Mumbai - 400703 98706 66333 wellness@thyrocare.com

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

NAME : MR JEZRA EMMANUEL (21Y/M)
REF. BY : EM HEALTH
TEST ASKED : AAROGYAM C PRO INCLUDING CRM WITH UTSH

SAMPLE COLLECTED AT :
(6001060121),EM HEALTH CARE,CHENNAI TAMIL NADU 600106, INDIA,600106

TEST NAME	TECHNOLOGY	VALUE	UNITS	Bio. Ref. Interval.
TOTAL TRIIODOTHYRONINE (T3)	C.M.I.A	95	ng/dL	58-159
TOTAL THYROXINE (T4)	C.M.I.A	7.76	µg/dL	4.87-11.72
TSH - ULTRASENSITIVE	C.M.I.A	1.735	µIU/mL	0.35-4.94

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

Method :

T3,T4,USTSH - Fully Automated Chemi Luminescent Microparticle 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) : 15 Aug 2024 06:12
Sample Received on (SRT) : 15 Aug 2024 12:29
Report Released on (RRT) : 15 Aug 2024 15:33
Sample Type : SERUM
Labcode : 1508074117/CHE34
Barcode : CH634359

S. Nalina Priya
Dr Nalina MD (Path)

PROCESSED AT :

Thyrocare
Seshans Complex, No.140,
Anna Salai, Saidapet,
Chennai - 600 015

MC-5457

Thyrocare
Tests you can trust

Thyrocare Technologies Limited, D-37/3, TTC MIDC, Turbhe, Navi Mumbai - 400703 98706 66333 wellness@thyrocare.com

NAME : MR JEZRA EMMANUEL (21Y/M)
REF. BY : EM HEALTH
TEST ASKED : AAROGYAM C PRO INCLUDING CRM WITH UTSH

SAMPLE COLLECTED AT :
(6001060121),EM HEALTH CARE,CHENNAI TAMIL NADU 600106, INDIA,600106

TEST NAME	TECHNOLOGY	VALUE	UNITS
EST. GLOMERULAR FILTRATION RATE (eGFR)	CALCULATED	130	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) : 15 Aug 2024 06:12
Sample Received on (SRT) : 15 Aug 2024 12:29
Report Released on (RRT) : 15 Aug 2024 15:33
Sample Type : SERUM
Labcode : 1508074117/CHE34
Barcode : CH634359

S. Nalina Jeya
Dr Nalina MD (Path)

PROCESSED AT :
Thyrocare
Seshans Complex, No.140,
Anna Salai, Saidapet,
Chennai - 600 015

MC-5457

Thyrocare
Tests you can trust

Thyrocare Technologies Limited, D-37/3, TTC MIDC, Turbhe, Navi Mumbai - 400703 98706 66333 wellness@thyrocare.com

NAME : MR JEZRA EMMANUEL (21Y/M)
REF. BY : EM HEALTH
TEST ASKED : HBA PROFILE,HEMOGRAM

SAMPLE COLLECTED AT :
(6001060121),EM HEALTH CARE,CHENNAI TAMIL NADU 600106, INDIA,600106

TEST NAME	TECHNOLOGY	VALUE	UNITS
HbA1c - (HPLC)			
	H.P.L.C	4.7	%

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
>8% : Poor Control

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

AVERAGE BLOOD GLUCOSE (ABG)	**CALCULATED**	**88**	**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) : 15 Aug 2024 06:12
Sample Received on (SRT) : 15 Aug 2024 12:30
Report Released on (RRT) : 15 Aug 2024 14:02
Sample Type : EDTA Whole Blood
Labcode : 1508074151/CHE34
Barcode : BR875762

S. Nalina Jeya

Dr Nalina MD (Path)

PROCESSED AT :
Thyrocare
Seshans Complex, No.140,
Anna Salai, Saidapet,
Chennai - 600 015

MC-5457

Thyrocare
Tests you can trust

Thyrocare Technologies Limited, D-37/3, TTC MIDC, Turbhe, Navi Mumbai - 400703 98706 66333 wellness@thyrocare.com

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

NAME : MR JEZRA EMMANUEL (21Y/M)
REF. BY : EM HEALTH
TEST ASKED : HBA PROFILE,HEMOGRAM

SAMPLE COLLECTED AT :
(6001060121),EM HEALTH CARE,CHENNAI
TAMIL NADU 600106, INDIA,600106

TEST NAME	METHODOLOGY	VALUE	UNITS	Bio. Ref. Interval.
TOTAL LEUCOCYTES COUNT (WBC)	**HF & FC**	**11.81**	**X 10³ / µL**	**4.0 - 10.0**
NEUTROPHILS	Flow Cytometry	63	%	40-80
LYMPHOCYTE	Flow Cytometry	30.3	%	20-40
MONOCYTES	Flow Cytometry	4.1	%	2-10
EOSINOPHILS	Flow Cytometry	1.7	%	1-6
BASOPHILS	Flow Cytometry	0.6	%	0-2
IMMATURE GRANULOCYTE PERCENTAGE(IG%)	Flow Cytometry	0.3	%	0-0.5
NEUTROPHILS - ABSOLUTE COUNT	**Calculated**	**7.44**	**X 10³ / µL**	**2.0-7.0**
LYMPHOCYTES - ABSOLUTE COUNT	**Calculated**	**3.58**	**X 10³ / µL**	**1.0-3.0**
MONOCYTES - ABSOLUTE COUNT	Calculated	0.48	X 10³ / µL	0.2 - 1.0
BASOPHILS - ABSOLUTE COUNT	Calculated	0.07	X 10³ / µL	0.02 - 0.1
EOSINOPHILS - ABSOLUTE COUNT	Calculated	0.2	X 10³ / µL	0.02 - 0.5
IMMATURE GRANULOCYTES(IG)	Calculated	0.04	X 10³ / µL	0-0.3
TOTAL RBC	**HF & EI**	**5.61**	**X 10^6/µL**	**4.5-5.5**
NUCLEATED RED BLOOD CELLS	Calculated	0.01	X 10³ / µL	0.0-0.5
NUCLEATED RED BLOOD CELLS %	Flow Cytometry	0.01	%	0.0-5.0
HEMOGLOBIN	SLS-Hemoglobin Method	15.7	g/dL	13.0-17.0
HEMATOCRIT(PCV)	CPH Detection	47.3	%	40.0-50.0
MEAN CORPUSCULAR VOLUME(MCV)	Calculated	84.3	fL	83.0-101.0
MEAN CORPUSCULAR HEMOGLOBIN(MCH)	Calculated	28	pq	27.0-32.0
MEAN CORP.HEMO.CONC(MCHC)	Calculated	33.2	g/dL	31.5-34.5
RED CELL DISTRIBUTION WIDTH - SD(RDW-SD)	**Calculated**	**37.1**	**fL**	**39-46**
RED CELL DISTRIBUTION WIDTH (RDW-CV)	Calculated	12.2	%	11.6-14
PLATELET DISTRIBUTION WIDTH(PDW)	Calculated	10.7	fL	9.6-15.2
MEAN PLATELET VOLUME(MPV)	Calculated	9.6	fL	6.5-12
PLATELET COUNT	HF & EI	266	X 10³ / µL	150-410
PLATELET TO LARGE CELL RATIO(PLCR)	Calculated	21.3	%	19.7-42.4
PLATELETCRIT(PCT)	Calculated	0.25	%	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**)**

Sample Collected on (SCT) : 15 Aug 2024 06:12
Sample Received on (SRT) : 15 Aug 2024 12:30
Report Released on (RRT) : 15 Aug 2024 14:02
Sample Type : EDTA Whole Blood
Labcode : 1508074151/CHE34
Barcode : BR875762

S. Nalina Jiya
Dr Nalina MD (Path)

PROCESSED AT :

Thyrocare
Seshans Complex, No.140,
Anna Salai, Saidapet,
Chennai - 600 015

MC-5457

Thyrocare
Tests you can trust

Thyrocare Technologies Limited, D-37/3, TTC MIDC, Turbhe, Navi Mumbai - 400703 98706 66333 wellness@thyrocare.com

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

NAME : MR JEZRA EMMANUEL (21Y/M)
REF. BY : EM HEALTH
TEST ASKED : BLOOD SUGAR (F)

SAMPLE COLLECTED AT :
(6001060121),EM HEALTH CARE,CHENNAI TAMIL NADU 600106, INDIA,600106

TEST NAME	TECHNOLOGY	VALUE	UNITS
FASTING BLOOD SUGAR(GLUCOSE)	PHOTOMETRY	86.7	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

Note :
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) : 15 Aug 2024 06:12
Sample Received on (SRT) : 15 Aug 2024 12:30
Report Released on (RRT) : 15 Aug 2024 13:20
Sample Type : FLUORIDE
Labcode : 1508074156/CHE34
Barcode : BR875761

S. Nalina Jinja

Dr Nalina MD (Path)

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 @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 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 / 6712 3400**
- SMS:<Labcode No.> to **9870666333**

*+T&C Apply, # Upto 95% Samples in NABL Accredited Labs, * As per a survey on doctors' perception of laboratory diagnostics (IJARIIT,2023)*