Thyrocare

Tests you can trust

Name : xxxxxxxxxxxxxxxx

Date : xxxxxxxxxxxxxxxx

Test Asked : Arthritis Profile B With Utsh

Report Status: Complete Report



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100% of its Labs with NABL Accreditation#



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



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



1200+
Tests & Profiles



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QR code will remain active for 30 days from report release date

Accredited by

NABL From 2005

ISO 9001: 2015 - From 2015

CAP From 2007

Sample Report

PROCESSED AT :

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Thyrocare Technologies Limited, D-37/3, TTC MIDC, Turbhe, Navi Mumbai - 400 703 9870666333 wellness@thyrocare.com

First National Diagnostic Chain to have 100% of its Labs with NABL Accreditation#

NAME : XXXXXXXXXXXXXXXX
REF. BY : XXXXXXXXXXXXXXXX
TEST ASKED : ARTHRITIS PROFILE B WITH UTSH

SAMPLE COLLECTED AT :
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

Report Availability Summary

Note: Please refer to the table below for status of your tests.

17 Ready | **0** Ready with Cancellation | **0** Processing | **0** Cancelled in Lab

TEST DETAILS	REPORT STATUS
ARTHRITIS PROFILE B WITH UTSH	Ready
COMPLEMENT 3 (C3)	Ready
C-REACTIVE PROTEIN (CRP)	Ready
HLA-B27	Ready
PHOSPHOROUS	Ready
RHEUMATOID FACTOR (RF)	Ready
HBA PROFILE	Ready
HEMOGRAM - 6 PART (DIFF)	Ready
ANTI CCP (ACCP)	Ready
LIVER FUNCTION TESTS	Ready
SERUM ELECTROLYTES	Ready
IRON DEFICIENCY PROFILE	Ready
KIDPRO	Ready
LIPID PROFILE	Ready
T3-T4-USTSH	Ready
VITAMIN D TOTAL AND B12 COMBO	Ready
ANTI NUCLEAR ANTIBODIES (ANA)	Ready
ANTI STREPTOLYSIN - O (ASO)	Ready

Dummy Report

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TEST ASKED : ARTHRITIS PROFILE B WITH UTSH

SAMPLE COLLECTED AT :
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

Summary Report

Tests outside reference range

TEST NAME	OBSERVED VALUE	UNITS	Bio. Ref. Interval.
ARTHRITIS			
RHEUMATOID FACTOR (RF)	18.66	IU/mL	<=18
COMPLETE HEMOGRAM			
HEMATOCRIT(PCV)	33.6	%	40.0-50.0
HEMOGLOBIN	10.4	g/dL	13.0-17.0
LYMPHOCYTE	17.4	%	20-40
MEAN CORP.HEMO.CONC(MCHC)	31	g/dL	31.5-34.5
MEAN CORPUSCULAR HEMOGLOBIN(MCH)	26.8	pq	27.0-32.0
RED CELL DISTRIBUTION WIDTH (RDW-CV)	15.4	%	11.6-14
RED CELL DISTRIBUTION WIDTH - SD(RDW-SD)	48.9	fL	39-46
TOTAL RBC	3.88	X 10^6/µL	4.5-5.5
LIPID			
LDL / HDL RATIO	0.9	Ratio	1.5-3.5
TC/ HDL CHOLESTEROL RATIO	2.2	Ratio	3 - 5
RENAL			
CREATININE - SERUM	0.7	mg/dL	0.72-1.18
VITAMIN			
25-OH VITAMIN D (TOTAL)	11.62	ng/mL	30-100
VITAMIN B-12	981	pg/mL	211-911

Dummy Report

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.

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NAME : XXXXXXXXXXXXXXXX
REF. BY : XXXXXXXXXXXXXXXX
TEST ASKED : HBA PROFILE,HEMOGRAM,HLA-B27

SAMPLE COLLECTED AT :
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

Test Description : HLA-B27

Result : NEGATIVE

Method : FLOWCYTOMETRY

Interpretation :

There is a strong association between the presence of HLAB27 antigen and an increased incidence of ankylosing spondylitis (AS) as well as others disorders, such as Reiter's Syndrome , psoriatic arthritis and arthropathies associated with inflamatory bowel diease. These disorders are collectively called Seronegative Spondyloarthritis.

HLAB27 positive patient is more likely to exhibit spondyloarthritis.
Note : All Inconclusive results need to be confirmed with an alternate confirmatory test.

Please correlate with clinical conditions.

Method : Done on Fully Automated Three Laser Beckman Navios Flowcytometer U.S.A

Sample Collected on (SCT) : Sample collection time
Sample Received on (SRT) : Sample receiving time at Lab
Report Released on (RRT) : Report release time
Sample Type : EDTA Whole Blood
Labcode :
Barcode :

Doctor 1 Sign Doctor 2 Sign

Scan QR code to verify authenticity of reported results; active for 30days from release time.

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NAME : XXXXXXXXXXXXXXXX
REF. BY : XXXXXXXXXXXXXXXX
TEST ASKED : HBA PROFILE,HEMOGRAM,HLA-B27

SAMPLE COLLECTED AT :
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

TEST NAME	TECHNOLOGY	VALUE	UNITS
HbA1c - (HPLC)			
	H.P.L.C	5.1	%

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	100	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.

Dummy Report

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NAME : XXXXXXXXXXXXXXXX
REF. BY : XXXXXXXXXXXXXXXX
TEST ASKED : HBA PROFILE,HEMOGRAM,HLA-B27

SAMPLE COLLECTED AT :
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

TEST NAME	METHODOLOGY	VALUE	UNITS	Bio. Ref. Interval.
HEMOGLOBIN	**SLS-Hemoglobin Method**	**10.4**	**g/dL**	**13.0-17.0**
Hematocrit (PCV)	**CPH Detection**	**33.6**	**%**	**40-50**
Total RBC	**HF & EI**	**3.88**	**X 10^6/µL**	**4.5-5.5**
Mean Corpuscular Volume (MCV)	Calculated	86.6	fL	83.0-101.0
Mean Corpuscular Hemoglobin (MCH)	**Calculated**	**26.8**	**pg**	**27.0-32.0**
Mean Corp.Hemo. Conc (MCHC)	**Calculated**	**31**	**g/dL**	**31.5-34.5**
Red Cell Distribution Width - SD (RDW-SD)	**Calculated**	**48.9**	**fL**	**39-46**
Red Cell Distribution Width (RDW - CV)	**Calculated**	**15.4**	**%**	**11.6-14**
RED CELL DISTRIBUTION WIDTH INDEX (RDWI)	Calculated	343.7	-	*Refer Note below
MENTZER INDEX	Calculated	22.3	-	*Refer Note below
TOTAL LEUCOCYTE COUNT (WBC)	HF & FC	7.77	X 10^3 / µL	4.0 - 10.0
DIFFERENTIAL LEUCOCYTE COUNT				
Neutrophils Percentage	Flow Cytometry	75.2	%	40-80
Lymphocytes Percentage	**Flow Cytometry**	**17.4**	**%**	**20-40**
Monocytes Percentage	Flow Cytometry	2.7	%	2-10
Eosinophils Percentage	Flow Cytometry	3.9	%	1-6
Basophils Percentage	Flow Cytometry	0.5	%	0-2
Immature Granulocyte Percentage (IG%)	Flow Cytometry	0.3	%	0-0.5
Nucleated Red Blood Cells %	Flow Cytometry	0.1	%	0.0-5.0
ABSOLUTE LEUCOCYTE COUNT				
Neutrophils - Absolute Count	Calculated	5.84	X 10^3 / µL	2.0-7.0
Lymphocytes - Absolute Count	Calculated	1.35	X 10^3 / µL	1.0-3.0
Monocytes - Absolute Count	Calculated	0.21	X 10^3 / µL	0.2 - 1.0
Basophils - Absolute Count	Calculated	0.04	X 10^3 / µL	0.02 - 0.1
Eosinophils - Absolute Count	Calculated	0.3	X 10^3 / µL	0.02 - 0.5
Immature Granulocytes (IG)	Calculated	0.02	X 10^3 / µL	0-0.3
Nucleated Red Blood Cells	Calculated	0.01	X 10^3 / µL	0.0-0.5
PLATELET COUNT	HF & EI	260	X 10^3 / µL	150-410
Mean Platelet Volume (MPV)	Calculated	10.3	fL	6.5-12
Platelet Distribution Width (PDW)	Calculated	11.2	fL	9.6-15.2
Platelet to Large Cell Ratio (PLCR)	Calculated	26.6	%	19.7-42.4
Plateletcrit (PCT)	Calculated	0.27	%	0.19-0.39

***Note - Mentzer index (MI), RDW-CV and RDWI are hematological indices to differentiate between Iron Deficiency Anemia (IDA) and Beta Thalassemia Trait (BTT). MI >13, RDWI >220 and RDW-CV >14 more likely to be IDA. MI <13, RDWI <220, and RDW-CV <14 more likely to be BTT. Suggested Clinical correlation. BTT to be confirmed with HB electrophoresis if clinically indicated.**

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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Report Released on (RRT) : Report release time
Sample Type : EDTA Whole Blood
Labcode :
Barcode :

Doctor 1 Sign Doctor 2 Sign

Yummy Report

NAME : XXXXXXXXXXXXXXXX
REF. BY : XXXXXXXXXXXXXXXX
TEST ASKED : ARTHRITIS PROFILE B WITH UTSH

SAMPLE COLLECTED AT :
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

TEST NAME	TECHNOLOGY	VALUE	UNITS
ANTI CCP (ACCP)	E.L.I.S.A	3.33	AU/mL

Bio. Ref. Interval. :-

Clinical Significance :

1. Anti-Cyclic-Citrullinated-Peptide (Anti-CCP) titre is used for diagnosis and monitoring of Rheumatoid Arthritis (RA).
2. RA is one of the most common systemic autoimmune diseases characterised by chronic inflammation of the synovial joints and progressive joint degeneration eventually leading to disability of affected individuals.
3. The diagnosis of RA often relies on clinical manifestations and certain non-specific laboratory tests such as rheumatoid factor (RF) and C-reactive protein (CRP), which may be present in healthy elderly persons or in patients with other autoimmune and infectious diseases.
4. Whereas, Anti-Cyclic-Citrullinated-Peptide (Anti-CCP) Antibodies hold promise for early and more accurate detection of Rheumatoid Arthritis before the disease proceeds into irreversible damage.
5. Interference with pathologic levels of nonspecific IgG can not be excluded.
6. The anti-CCP test results can be false negative in patients with hypergammaglobulinemia. Results from patients suffering from this disorder should not be used for diagnostic purposes.
7. If results are inconsistent with clinical history additional testing is suggested to confirm the results.
8. For diagnostic purposes, the results should always be assessed in conjunction with the patient's medical history, clinical examination and other findings.

References:

- Anti-CCP Reagent Kit Insert
- Vossenar ER et al. Arthritis Rheum. 2004
- Masson Bessire C et al. J Immunol. 2001

Please correlate with clinical conditions.

Method:- INDIRECT SOLID PHASE ENZYME IMMUNOASSAY

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TEST ASKED : ARTHRITIS PROFILE B WITH UTSH

SAMPLE COLLECTED AT :
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

TEST NAME	TECHNOLOGY	VALUE	UNITS
COMPLEMENT 3 (C3)	IMMUNOTURBIDIMETRY	< 1.25	gm/L

Bio. Ref. Interval. :
Adults : 0.80 - 1.70

Method : FULLY AUTOMATED IMMUNO TURBIDOMETRY

Please correlate with clinical conditions.

Dummy Report

Sample Collected on (SCT) : Sample collection time
Sample Received on (SRT) : Sample receiving time at Lab
Report Released on (RRT) : Report release time
Sample Type : SERUM
Labcode :
Barcode :

Doctor 1 Sign Doctor 2 Sign

NAME : XXXXXXXXXXXXXXXX
REF. BY : XXXXXXXXXXXXXXXX
TEST ASKED : ARTHRITIS PROFILE B WITH UTSH

SAMPLE COLLECTED AT :
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

TEST NAME	TECHNOLOGY	VALUE	UNITS
ANTI STREPTOLYSIN - O (ASO)	IMMUNOTURBIDIMETRY	40	IU/mL

Bio. Ref. Interval. :

Normal Range: < 166

Method : FULLY AUTOMATED RATE IMMUNOTURBIDIMETRY – BECKMAN COULTER

RHEUMATOID FACTOR (RF)	**IMMUNOTURBIDIMETRY**	**18.66**	**IU/mL**

Bio. Ref. Interval. :
ADULT : <= 18

Clinical Significance:
Rheumatoid factor is an anti IgG autoimmune antibody. There are high concentration of rheumatoid factor in the serum of some disease, especially rheumatoid arthritis patients. It helps to diagnose rheumatism ,systematic lupus erythematosus, chronic hepatitis etc.

Specifications:
Precision %CV :- Intra assay %CV- 1.38% , Inter assay %CV-2.88%, Sensitivity :- 40 IU/mL.

Kit Validation Reference:
Anderson, S.G., Bentzon, M.W., Houba, V. and Krag, P. Bull. Wld. Hlth. Org. 42: 311-318 (1970).

Method : LATEX ENHANCED IMMUNOTURBIDIMETRY

Please correlate with clinical conditions.

Dummy Report

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Report Released on (RRT) : Report release time
Sample Type : SERUM
Labode :
Barcode :

Doctor 1 Sign Doctor 2 Sign

NAME : XXXXXXXXXXXXXXXX
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TEST ASKED : ARTHRITIS PROFILE B WITH UTSH

SAMPLE COLLECTED AT :
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

TEST NAME	TECHNOLOGY	VALUE	UNITS
25-OH VITAMIN D (TOTAL)	**C.L.I.A**	**11.62**	**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 leveis 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**	**981**	**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.

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SAMPLE COLLECTED AT :
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

TEST NAME	TECHNOLOGY	VALUE	UNITS
C-REACTIVE PROTEIN (CRP)	IMMUNOTURBIDIMETRY	1.33	mg/L

Bio. Ref. Interval. :-

Acute phase determination : < 5 mg/L

Clinical Significance:
It's a protein present in the sera of acutely ill patients that bound cell wall C-polysaccharide of streptococcus pneumoniae and agglutinates the organisms. CRP is one of the strongest acute -phase reactants, with plasma concentrations rising up after myocardial infarction, stress, trauma, infection, inflammation, surgery, or neoplastic proliferation.

Concentrations >5 mg/L suggest the presence of an infection or inflammatory process. Concentrations are generally higher in bacterial than viral infection. The increase in peak is proportional to tissue damage. Determination of CRP is clinically useful to screen activity of inflammatory diseases such as rheumatoid arthritis; SLE;Leukemia;after surgery;to detect rejection in renal allograft recipients;to detect neonatal septicemia and meningitis. However, it is a nonspecific marker and cannot be interpreted without other clinical information.

Reference:
Tietz Textbook of clinical chemistry and molecular diagnosis fifth edition chapter 21 P538-539

Please correlate with clinical conditions.

Method:- FULLY AUTOMATED LATEX AGGLUTINATION - BECKMAN COULTER

Dummy Report

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Sample Type : SERUM
Labcode :
Barcode :

Doctor 1 Sign Doctor 2 Sign

NAME : XXXXXXXXXXXXXXXX

REF. BY : XXXXXXXXXXXXXXXX

TEST ASKED : ARTHRITIS PROFILE B WITH UTSH

SAMPLE COLLECTED AT :

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

TEST NAME	TECHNOLOGY	VALUE	UNITS
ANTI NUCLEAR ANTIBODIES (ANA)	E.L.I.S.A	14.87	AU/mL

Bio. Ref. Interval. :

Negative : < 50
Borderline : 50 - 70
Positive : > 70

Clinical Significance:
Autoimmune diseases are characterized by abnormal functioning of Immune System where cell recognition mechanism fails to distinguish " Self " and " non-self " antigens. Presence of ANA autoantibodies associated with rhematic autoimmune diseases such as systemic Lupus Erythematosus (SLE), Sjogren Syndrome, Scleroderma and mixed connective tissue disease (MCTD).

Specifications:
Specification:- Precision: Intra assay (%CV): <=6.6, Inter assay (%CV): <=13.3, Sensitivity: 87.1%, Specificity: 80%.

Kit Validation Reference:
Antinuclear Antibody The Lancet, September 15, 1984: 611-13

Method : INDIRECT SOLID PHASE IMMUNOASSAY

Please correlate with clinical conditions.

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Sample Type : SERUM
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TEST ASKED : ARTHRITIS PROFILE B WITH UTSH

SAMPLE COLLECTED AT :

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

TEST NAME	TECHNOLOGY	VALUE	UNITS
IRON	PHOTOMETRY	98	µg/dL

Bio. Ref. Interval. :
Male : 65 - 175
Female : 50 - 170

Method : Ferrozine method without deproteinization

TOTAL IRON BINDING CAPACITY (TIBC)	PHOTOMETRY	334	µg/dL

Bio. Ref. Interval. :
Male: 225 - 535 µg/dl Female: 215 - 535 µg/dl

Method : Spectrophotometric Assay

% TRANSFERRIN SATURATION	CALCULATED	29	%

Bio. Ref. Interval. :
13 - 45

Method : Derived from IRON and TIBC values

UNSAT.IRON-BINDING CAPACITY(UIBC)	PHOTOMETRY	236.2	µg/dL

Bio. Ref. Interval. :
162 - 368

Method : SPECTROPHOTOMETRIC ASSAY

Please correlate with clinical conditions.

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SAMPLE COLLECTED AT :
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

TEST NAME	TECHNOLOGY	VALUE	UNITS	Bio. Ref. Interval.
TOTAL CHOLESTEROL	PHOTOMETRY	123	mg/dL	< 200
HDL CHOLESTEROL - DIRECT	PHOTOMETRY	56	mg/dL	40-60
LDL CHOLESTEROL - DIRECT	PHOTOMETRY	53.5	mg/dL	< 100
TRIGLYCERIDES	PHOTOMETRY	120	mg/dL	< 150
TC/ HDL CHOLESTEROL RATIO	**CALCULATED**	**2.2**	**Ratio**	**3 - 5**
TRIG / HDL RATIO	CALCULATED	2.12	Ratio	< 3.12
LDL / HDL RATIO	**CALCULATED**	**0.9**	**Ratio**	**1.5-3.5**
HDL / LDL RATIO	CALCULATED	1.05	Ratio	> 0.40
NON-HDL CHOLESTEROL	CALCULATED	66.2	mg/dL	< 160
VLDL CHOLESTEROL	CALCULATED	23.94	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.

Dummy Report

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TEST ASKED : ARTHRITIS PROFILE B WITH UTSH

SAMPLE COLLECTED AT :
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

TEST NAME	TECHNOLOGY	VALUE	UNITS	Bio. Ref. Interval.
ALKALINE PHOSPHATASE	PHOTOMETRY	105.1	U/L	45-129
BILIRUBIN - TOTAL	PHOTOMETRY	0.45	mg/dL	0.3-1.2
BILIRUBIN -DIRECT	PHOTOMETRY	0.1	mg/dL	< 0.3
BILIRUBIN (INDIRECT)	CALCULATED	0.35	mg/dL	0-0.9
GAMMA GLUTAMYL TRANSFERASE (GGT)	PHOTOMETRY	13.4	U/L	< 55
ASPARTATE AMINOTRANSFERASE (SGOT)	PHOTOMETRY	24.3	U/L	< 35
ALANINE TRANSAMINASE (SGPT)	PHOTOMETRY	32.9	U/L	< 45
SGOT / SGPT RATIO	CALCULATED	0.74	Ratio	< 2
PROTEIN - TOTAL	PHOTOMETRY	6.98	gm/dL	5.7-8.2
ALBUMIN - SERUM	PHOTOMETRY	4.14	gm/dL	3.2-4.8
SERUM GLOBULIN	CALCULATED	2.84	gm/dL	2.5-3.4
SERUM ALB/GLOBULIN RATIO	CALCULATED	1.46	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[1]method (Colorimetric Assay Endpoint)
SEGB - DERIVED FROM SERUM ALBUMIN AND PROTEIN VALUES
A/GR - Derived from serum Albumin and Protein values

Dummy Report

Sample Collected on (SCT) : Sample collection time
Sample Received on (SRT) : Sample receiving time at Lab
Report Released on (RRT) : Report release time
Sample Type : SERUM
Labcode :
Barcode :

Doctor 1 Sign Doctor 2 Sign

NAME : XXXXXXXXXXXXXXXX

REF. BY : XXXXXXXXXXXXXXXX

TEST ASKED : ARTHRITIS PROFILE B WITH UTSH

SAMPLE COLLECTED AT :

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

TEST NAME	TECHNOLOGY	VALUE	UNITS
PHOSPHOROUS	PHOTOMETRY	4.24	mg/dL

Bio. Ref. Interval. :
Adults : 2.4 - 5.1 mg/dL
Children : 4.0 - 7.0 mg/dL

Clinical Significance:
In plasma and serum the majority of phosphate exists in the inorganic form (Pi), approximately 15% bound to protein and the remainder in complexes and free forms. Serum phosphate concentrations are dependent on diet and variation in the secretion of hormones such as Parathyroid Hormone (PTH).

Specifications:
Precision %CV :- Intra assay %CV- 1.55% , Inter assay %CV-2.99% , Sensitivity:-0.10 mmol/L

Kit Validation Reference:
Young DS. Effects of drugs on clinical laboratory tests, 5th ed. AACC Press, 2000.

Method : UNREDUCED PHOSPHOMOLYBDATE METHOD

Please correlate with clinical conditions.

Dummy Report

Sample Collected on (SCT) : Sample collection time

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Report Released on (RRT) : Report release time

Sample Type : SERUM

Labcode :

Barcode :

Doctor 1 Sign Doctor 2 Sign

NAME : XXXXXXXXXXXXXXXX
REF. BY : XXXXXXXXXXXXXXXX
TEST ASKED : ARTHRITIS PROFILE B WITH UTSH

SAMPLE COLLECTED AT :
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

TEST NAME	TECHNOLOGY	VALUE	UNITS
SODIUM	I.S.E - INDIRECT	137	mmol/L

Bio. Ref. Interval. :
Adults: 136-145 mmol/l

Method : ION SELECTIVE ELECTRODE - INDIRECT

POTASSIUM	I.S.E - INDIRECT	< 4.3	mmol/L

Bio. Ref. Interval. :
ADULTS: 3.5-5.1 MMOL/L

Clinical Significance :
An abnormal increase in potassium (hyperkalemia)can profoundly affect the nervous system and increase the chance of irregular heartbeats (arrhythmias), which ,when extreme ,can be fatal. 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 Potassium in a given specimen may vary due to differences in assay methods, calibration and reagent specificity.

Method : ION SELECTIVE ELECTRODE - INDIRECT

CHLORIDE	I.S.E - INDIRECT	101	mmol/L

Bio. Ref. Interval. :
ADULTS: 98-107 MMOL/L

Clinical Significance :
An increased level of blood chloride (called hyperchloremia) usually indicates dehydration, but can also occur with other problems that cause high blood sodium, such as Cushing syndrome or kidney disease. Hyperchloremia also occurs when too much base is lost from the body (producing metabolic acidosis) or when a person hyperventilates (causing respiratory alkalosis). A decreased level of blood chloride (called hypochloremia) occurs with any disorder that causes low blood sodium. Hypochloremia also occurs with congestive heart failure, prolonged vomiting or gastric suction, Addison disease, emphysema or other chronic lung diseases (causing respiratory acidosis), and with loss of acid from the body (called metabolic alkalosis).

Method : ION SELECTIVE ELECTRODE - INDIRECT

Please correlate with clinical conditions.

Dummy Report

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Report Released on (RRT) : Report release time
Sample Type : SERUM
Labcode :
Barcode :

Doctor 1 Sign Doctor 2 Sign

PROCESSED AT :

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COLLEGE of AMERICAN PATHOLOGISTS

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Tests you can trust

Thyrocare Technologies Limited, D-37/3, TTC MIDC, Turbhe, Navi Mumbai - 400 703 9870666333 wellness@thyrocare.com

First National Diagnostic Chain to have 100% of its Labs with NABL Accreditation#

NAME : XXXXXXXXXXXXXXXX
REF. BY : XXXXXXXXXXXXXXXX
TEST ASKED : ARTHRITIS PROFILE B WITH UTSH

SAMPLE COLLECTED AT :
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

TEST NAME	TECHNOLOGY	VALUE	UNITS	Bio. Ref. Interval.
BLOOD UREA NITROGEN (BUN)	PHOTOMETRY	12.6	mg/dL	7.94 - 20.07
CREATININE - SERUM	**PHOTOMETRY**	**0.7**	**mg/dL**	**0.72-1.18**
BUN / Sr.CREATININE RATIO	CALCULATED	18	Ratio	9:1-23:1
UREA (CALCULATED)	CALCULATED	26.96	mg/dL	Adult : 17-43
UREA / SR.CREATININE RATIO	CALCULATED	38.52	Ratio	< 52
CALCIUM	PHOTOMETRY	9.62	mg/dL	8.8-10.6
URIC ACID	PHOTOMETRY	6.8	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 ASKED : ARTHRITIS PROFILE B WITH UTSH

SAMPLE COLLECTED AT :

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

TEST NAME	TECHNOLOGY	VALUE	UNITS	Bio. Ref. Interval.
TOTAL TRIIODOTHYRONINE (T3)	C.L.I.A	79	ng/dL	60-200
TOTAL THYROXINE (T4)	C.L.I.A	6.4	µg/dL	4.5-12
TSH - ULTRASENSITIVE	C.M.I.A	<2.92	µIU/mL	0.35-4.94

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

Method :

T3 - Competitive Chemi Luminescent Immuno Assay
T4 - Competitive Chemi Luminescent Immuno Assay
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.

Report
Dummy

Sample Collected on (SCT) : Sample collection time
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Doctor 1 Sign Doctor 2 Sign

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NAME : XXXXXXXXXXXXXXXX
REF. BY : XXXXXXXXXXXXXXXX
TEST ASKED : ARTHRITIS PROFILE B WITH UTSH

SAMPLE COLLECTED AT :
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

TEST NAME	TECHNOLOGY	VALUE	UNITS
EST. GLOMERULAR FILTRATION RATE (eGFR)	CALCULATED	134	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:- 2021 CKD EPI Creatinine Equation

~~ End of report ~~

Dummy Report

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Report Released on (RRT) : Report release time
Sample Type : SERUM
Labcode :
Barcode :

Doctor 1 Sign Doctor 2 Sign

Scan QR code to verify authenticity of reported results; active for 30days from release time.

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: (a) 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, (b) any claims of any nature whatsoever arising from or relating to the performance of the requested tests as well as any claim for indirect, incidental or consequential damages. The total liability, in any case, of Thyrocare shall not exceed the total amount of invoice for the services provided and paid for.
- Thyrocare Discovery video link :- https://youtu.be/nbdYeRgYyQc

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, clinical support or feedback, write to us at **customersupport@thyrocare.com** or call us on **022-3090 0000**





*+T&C Apply, #As on 5th December 2024, *As per a survey on doctors' perception of laboratory diagnostics (IJARIIT,2023)*