



	Dr. Vinay Chopr MD (Pathology & Mic Chairman & Consulta	robiology)		(Pathology)
NAME	: Mrs. SHIVANI			
AGE/ GENDER	: 28 YRS/FEMALE		PATIENT ID	: 1570186
COLLECTED BY	:		REG. NO./LAB NO.	: 012408040028
REFERRED BY	:		REGISTRATION DATE	: 04/Aug/2024 09:08 AM
BARCODE NO.	:01514417		COLLECTION DATE	: 04/Aug/2024 09:12AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 04/Aug/2024 09:44AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	ALA CANT	Т	
Test Name		Value	Unit	Biological Reference interval
	SWAS	THYA W	ELLNESS PANEL: 1.2	
	CON		LOOD COUNT (CBC)	
RED BLOOD CELLS (F	RBCS) COUNT AND INDICES			
HAEMOGLOBIN (HB)		11.1 ^L	gm/dL	12.0 - 16.0
by CALORIMETRIC RED BLOOD CELL (RE		4.16	Millions/c	mm 3.50 - 5.00
PACKED CELL VOLUN	OCUSING, ELECTRICAL IMPEDENCE NE (PCV) AUTOMATED HEMATOLOGY ANALYZER	35.7 ^L	%	37.0 - 50.0
MEAN CORPUSCULA		85.9	fL	80.0 - 100.0
MEAN CORPUSCULA	R HAEMOGLOBIN (MCH)	26.7 ^L	pg	27.0 - 34.0
MEAN CORPUSCULA	R HEMOGLOBIN CONC. (MCHC) AUTOMATED HEMATOLOGY ANALYZER	31.2 ^L	g/dL	32.0 - 36.0
RED CELL DISTRIBUT	ION WIDTH (RDW-CV) UTOMATED HEMATOLOGY ANALYZER	14.5	%	11.00 - 16.00
RED CELL DISTRIBUT	ION WIDTH (RDW-SD) UTOMATED HEMATOLOGY ANALYZER	46.5	fL	35.0 - 56.0
MENTZERS INDEX		20.65	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDE	Х	29.96	RATIO	BETA THALASSEMIA TRAIT: < =
				65.0 IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELLS		105-		
TOTAL LEUCOCYTE C	OUNT (TLC) (by sf cube & microscopy	6090	/cmm	4000 - 11000
NUCLEATED RED BLC		NIL		0.00 - 20.00
	DOD CELLS (nRBCS) % <i>UTOMATED HEMATOLOGY ANALYZER</i> &	NIL	%	< 10 %

DIFFERENTIAL LEUCOCYTE COUNT (DLC)



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EXCELLENCE IN HEALTHCARE & DIAGNOSTICS

Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist SHIVANI RS/FEMALE Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist

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CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AM	BALA CANTT		U U	
Test Name	Value	Unit	Biological Reference interval	
NEUTROPHILS	55	%	50 - 70	
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES	36	%	20 - 40	
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	30	70	20 - 40	
EOSINOPHILS	3	%	1 - 6	
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY				
MONOCYTES	6	%	2 - 12	
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY BASOPHILS	0	%	0 - 1	
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	70	0-1	
ABSOLUTE LEUKOCYTES (WBC) COUNT				
ABSOLUTE NEUTROPHIL COUNT	3350	/cmm	2000 - 7500	
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY				
ABSOLUTE LYMPHOCYTE COUNT	2192	/cmm	800 - 4900	
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT	183	/cmm	40 - 440	
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	105	/ СППП	40 - 440	
ABSOLUTE MONOCYTE COUNT	365	/cmm	80 - 880	
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY				
ABSOLUTE BASOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	/cmm	0 - 110	
PLATELETS AND OTHER PLATELET PREDICTIVE MARKEI	RS.			
PLATELET COUNT (PLT)	219000	/cmm	150000 - 450000	
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	217000	, 011111		
PLATELETCRIT (PCT)	0.31	%	0.10 - 0.36	
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE		a	(50, 10,0	
MEAN PLATELET VOLUME (MPV) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	14 ^H	fL	6.50 - 12.0	
PLATELET LARGE CELL COUNT (P-LCC)	123000 ^H	/cmm	30000 - 90000	
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL RATIO (P-LCR)	r / oH	%	11.0 - 45.0	
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	56.2 ^H	70	11.0 - 45.0	
PLATELET DISTRIBUTION WIDTH (PDW)	16.1	%	15.0 - 17.0	
NUMBER DYNAMIC FOCUSING FLECTBICAL IMPEDENCE				

by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT	
Test Name		Value Unit	Biological Reference interval
	ERYTH	IROCYTE SEDIMENTATION RATE ((ESR)
	MENTATION RATE (ESR) RGREN AUTOMATED METHOD	42 ^H mm/1	st hr 0 - 20
immune disease, but 2. An ESR can be affe as C-reactive protein 3. This test may also systemic lupus eryth CONDITION WITH LO A low ESR can be see (polycythaemia), sign	does not tell the health practitic acted by other conditions besides be used to monitor disease activ ematosus W ESR In with conditions that inhibit the	ner exactly where the inflammation is in inflammation. For this reason, the ESR is ity and response to therapy in both of th e normal sedimentation of red blood cells ount (leucocytosis), and some protein ab	s typically used in conjunction with other test such ne above diseases as well as some others, such as

NOTE:

ESR and C - reactive protein (C-RP) are both markers of inflammation.
 Generally, ESR does not change as rapidly as does CRP, either at the start of inflammation or as it resolves.
 CRP is not affected by as many other factors as is ESR, making it a better marker of inflammation.
 If the ESR is elevated, it is typically a result of two types of proteins, globulins or fibrinogen.
 Women tend to have a higher ESR, and menstruation and pregnancy can cause temporary elevations.
 Drugs such as douting, and contractentives, pencillamine processing the populations.

6. Drugs such as dextran, methyldopa, oral contraceptives, penicillamine procainamide, theophylline, and vitamin A can increase ESR, while aspirin, cortisone, and quinine may decrease it



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





		hopra & Microbiology) onsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAI), AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
Test Name	CLII		Unit RY/BIOCHEMISTR	
Test Name	CLII		RY/BIOCHEMISTR	

KOS Diagnostic Lab (A Unit of KOS Healthcare)

A fasting plasma glucose level below 100 mg/dl is considered normal.
 A fasting plasma glucose level between 100 - 125 mg/dl is considered as glucose intolerant or prediabetic. A fasting and post-prandial blood test (after consumption of 75 gms of glucose) is recommended for all such patients.
 A fasting plasma glucose level of above 125 mg/dl is highly suggestive of diabetic state. A repeat post-prandial is strongly recommended for all such patients.
 A fasting plasma glucose level in excess of 125 mg/dl on both occasions is confirmatory for diabetic state.



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Μ	Dr. Vinay Chopra ID (Pathology & Microbiology) hairman & Consultant Pathologist		(Pathology)
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CLIENT ADDRESS : 6349/1, NICH	OLSON ROAD, AMBALA CANTT		
Test Name	Value	Unit	Biological Reference interval
	LIPID PRO	OFILE : BASIC	
CHOLESTEROL TOTAL: SERUM by CHOLESTEROL OXIDASE PAP	160.83	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: SERUM by GLYCEROL PHOSPHATE OXIDASE (EI	иzymatic)	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROL (DIRECT): SERUM by SELECTIVE INHIBITION	33.66	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTOMETR	93.03	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159.0 HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
NON HDL CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTOMETR	Y 127.17	mg/dL	OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 - 189.0 HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTEROL: SERUM	34.14	mg/dL	0.00 - 45.00
by CALCULATED, SPECTROPHOTOMETR TOTAL LIPIDS: SERUM by CALCULATED, SPECTROPHOTOMETR	492.36	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL RATIO: SERUM by CALCULATED, SPECTROPHOTOMETR	4.78 ^H	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0
LDL/HDL RATIO: SERUM by CALCULATED, SPECTROPHOTOMETR	2.76 Y	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
		hopra	

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DR.VINAY CHOPRA CONSULTANT PATHOLOGIST



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Test Name		Value	Unit	Biological Reference interval
TRIGLYCERIDES/HD		5.07 ^H	RATIO	3.00 - 5.00

INTERPRETATION:

1. Measurements in the same patient can show physiological & analytical variations. Three serial samples 1 week apart are recommended for Total Cholesterol, Triglycerides, HDL & LDL Cholesterol.

2. As per NLA-2014 guidelines, all adults above the age of 20 years should be screened for lipid status. Selective screening of children above the age of 2 years with a family history of premature cardiovascular disease or those with at least one parent with high total cholesterol is recommended.

 Low HDL levels are associated with increased risk for Atherosclerotic Cardiovascular disease (ASCVD) due to insufficient HDL being available to participate in reverse cholesterol transport, the process by which cholesterol is eliminated from peripheral tissues.
 NLA-2014 identifies Non HDL Cholesterol (an indicator of all atherogeniclipoproteins such as LDL, VLDL, IDL, Lpa, Chylomicron remnants) along with LDL-cholesterol as co- primary target for cholesterol lowering therapy. Note that major risk factors can modify treatment goals for LDL & Non HDL

5. Additional testing for Apolipoprotein B, hsCRP,Lp(a) & LP-PLA2 should be considered among patients with moderate risk for ASCVD for risk refinement





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CLIENT ADD	RESS : 634	49/1, NICHOLSON ROAD, AMBALA CANTT		

Test Name	Value	Unit	Biological Reference interval
LIV	/ER FUNCTION TE	ST (COMPLETE)	
BILIRUBIN TOTAL: SERUM by DIAZOTIZATION, SPECTROPHOTOMETRY	0.56	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
BILIRUBIN DIRECT (CONJUGATED): SERUM by DIAZO MODIFIED, SPECTROPHOTOMETRY	0.16	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT (UNCONJUGATED): SERUM by CALCULATED, SPECTROPHOTOMETRY	0.4	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	18.2	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	25.5	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM by calculated, spectrophotometry	0.71	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM by PARA NITROPHENYL PHOSPHATASE BY AMINO METHYL PROPANOL	81.73 L	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by SZASZ, SPECTROPHTOMETRY	16.12	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM by BIURET, SPECTROPHOTOMETRY	7.26	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GREEN	4.04	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by calculated, spectrophotometry	3.22	gm/dL	2.30 - 3.50
A : G RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	1.25	RATIO	1.00 - 2.00

<u>INTERPRETATION</u> NOTE:- To be correlated in individuals having SGOT and SGPT values higher than Normal Referance Range.

USE: - Differential diagnosis of diseases of hepatobiliary system and pancreas.

INCREASED:

DRUG HEPATOTOXICITY	> 2
ALCOHOLIC HEPATITIS	> 2 (Highly Suggestive)
CIRRHOSIS	1.4 - 2.0
INTRAHEPATIC CHOLESTATIS	> 1.5

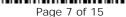




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Test Name		Value	Unit	Biological Reference interval
HEPATOCELLULAR C	ARCINOMA & CHRONIC HEPATITIS	> 1.	3 (Slightly Increa	sed)

1. Acute Hepatitis due to virus, drugs, toxins (with AST increased 3 to 10 times upper limit of normal)

2. Extra Hepatic cholestatis: 0.8 (normal or slightly decreased).

PROGNOSTIC SIGNIFICANCE:

NORMAL	< 0.65
GOOD PROGNOSTIC SIGN	0.3 - 0.6
POOR PROGNOSTIC SIGN	1.2 - 1.6



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EXCELLENCE IN HEALTHCARE & DIAGNOSTICS

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Test Name		Value	Unit	Biological Reference interval
	KIE	ONEY FUNCTION	TEST (COMPLETE)	
UREA: SERUM		16.38	mg/dL	10.00 - 50.00
•	NATE DEHYDROGENASE (GLDH)		Ũ	
CREATININE: SERUN by ENZYMATIC, SPEC		0.87	mg/dL	0.40 - 1.20
BLOOD UREA NITRO	DGEN (BUN): SERUM	7.65	mg/dL	7.0 - 25.0
	GEN (BUN)/CREATININE	8.79 ^L	RATIO	10.0 - 20.0
RATIO: SERUM				
UREA/CREATININE	ectrophotometry RATIO: SERUM	18.83	RATIO	
	ECTROPHOTOMETRY			
URIC ACID: SERUM by URICASE - OXIDAS		4.16	mg/dL	2.50 - 6.80
CALCIUM: SERUM	SE PERUNIDASE	9.75	mg/dL	8.50 - 10.60
by ARSENAZO III, SPE			, i i i i i i i i i i i i i i i i i i i	
PHOSPHOROUS: SEF		2.93	mg/dL	2.30 - 4.70
ELECTROLYTES	DATE, SPECTROPHOTOMETRY			
Sodium: Serum		141.6	mmol/L	135.0 - 150.0
by ISE (ION SELECTIV	/E ELECTRODE)			
POTASSIUM: SERUM		4.4	mmol/L	3.50 - 5.00
by ISE (ION SELECTIN CHLORIDE: SERUM	/E ELECTRODE)	106.2	mmol/L	90.0 - 110.0
by ISE (ION SELECTIN	/E ELECTRODE)	100.2	minol/L	70.0 - 110.0
ESTIMATED GLOME	RULAR FILTERATION RATE			
ESTIMATED GLOME (eGFR): SERUM	RULAR FILTERATION RATE	93		

by CALCULATED INTERPRETATION:

To differentiate between pre- and post renal azotemia. INCREASED RATIO (>20:1) WITH NORMAL CREATININE:

1. Prerenal azotemia (BUN rises without increase in creatinine) e.g. heart failure, salt depletion, dehydration, blood loss) due to decreased glomerular filtration rate.

2. Catabolic states with increased tissue breakdown.



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





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6. Inherited hyperam 7. SIADH (syndrome o 8. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera	e. creased ui jurea rathe monemias of inapproj 10:1) WITH py (accele	rea synthesis. er than creatinine diffuse s (urea is virtually absent piate antidiuretic harmon i INCREASED CREATININE: erates conversion of creat	in blood). ie) due to tubula	r secretion of urea		
2. Rhabdomyolysis (r						
 Muscular patients INAPPROPIATE RATIO 		iop renai failure.				
		acetate causes false incre	ease in creatinin	e with certain metl	nodologies,resultina in	normal ratio when dehydratio
should produce an in	creased B	UN/creatinine ratio).			5 . 5	j e e e
2. Cephalosporin the	apy (inter	feres with creatinine mea	asurement).			
ESTIMATED GLOMERU CKD STAGE		DESCRIPTION	GFR (ml	/min/1.73m2)	ASSOCIATED FINDIN	GS
		Normal kidnov function		>00	No protoinuria	

CKD STAGE	DESCRIPTION	GFR (mL/min/1.73m2)	ASSOCIATED FINDINGS
G1	Normal kidney function	>90	No proteinuria
G2	Kidney damage with normal or high GFR	>90	Presence of Protein , Albumin or cast in urine
G3a	Mild decrease in GFR	60 -89	
G3b	Moderate decrease in GFR	30-59	
G4	Severe decrease in GFR	15-29	
G5	Kidney failure	<15	





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DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS , MD (PATHOLOGY)







	Dr. Vinay Chopra MD (Pathology & Micro Chairman & Consultan	obiology) MD	m Chopra D (Pathology) ht Pathologist
NAME	: Mrs. SHIVANI		
AGE/ GENDER	: 28 YRS/FEMALE	PATIENT ID	: 1570186
COLLECTED BY	:	REG. NO./LAB NO.	: 012408040028
REFERRED BY	:	REGISTRATION DATE	: 04/Aug/2024 09:08 AM
BARCODE NO.	: 01514417	COLLECTION DATE	:04/Aug/202409:12AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	:04/Aug/2024 10:48AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBA	ALA CANTT	
Test Name		Value Unit	Biological Reference interval

COMMENTS:

Estimated Glomerular filtration rate (eGFR) is the sum of filtration rates in all functioning nephrons and so an estimation of the GFR provides a measure of functioning nephrons of the kidney.
 eGFR calculated using the 2009 CKD-EPI creatinine equation and GFR category reported as per KDIGO guideline 2012
 In patients, with eGFR creatinine between 45-59 ml/min/1.73 m2 (G3) and without any marker of Kidney damage, It is recommended to measure of CFD with the commended to measure

3. In patients, with eGFR cleaning between 45-59 minimit 1.73 m2 (G3) and without any marker of Kidney damage, it is recommended to measure eGFR with Cystatin C for confirmation of CKD
4. eGFR category G1 OR G2 does not fulfill the criteria for CKD, in the absence of evidence of Kidney Damage
5. In a suspected case of Acute Kidney Injury (AKI), measurement of eGFR should be done after 48-96 hours of any Intervention or procedure
6. eGFR calculated by Serum Creatinine may be less accurate due to certain factors like Race, Muscle Mass, Diet, Certain Drugs. In such cases, eGFR should be calculated using Serum Cystatin C
7. A decrease in eGFR implies either progressive renal disease, or a reversible process causing decreased nephron function (eg, severe dehydration).

ADVICE:

KDIGO guideline, 2012 recommends Chronic Kidney Disease (CKD) should be classified based on cause, eGFR category and Albuminuria (ACR) category. GFR & ACR category combined together reflect risk of progression and helps Clinician to identify the individual who are progressing at more rapid rate than anticipated



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MBBS, MD (PATHOLOGY)







	MD (Pathology & I	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist		r Chopra (Pathology) Pathologist
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Test Name		Value	Unit	Biological Reference interval
		ENDOCRIN	OLOGY	
	TI	HYROID FUNCTIO	N TEST: TOTAL	
TRIIODOTHYRONINE		0.912	ng/mL	0.35 - 1.93
THYROXINE (T4): SER	ESCENT MICROPARTICLE IMMUNOASS RUM ESCENT MICROPARTICLE IMMUNOASS	7.53	μgm/dL	4.87 - 12.60
	ING HORMONE (TSH): SERUM	15.655 ^H	μlU/mL	0.35 - 5.50
	RASENSITIVE			

overproduction(hyperthyroidism) of T4 and/or T3.

CLINICAL CONDITION	Т3	T4	TSH
Primary Hypothyroidism:	Reduced	Reduced	Increased (Significantly)
Subclinical Hypothyroidism:	Normal or Low Normal	Normal or Low Normal	High
Primary Hyperthyroidism:	Increased	Increased	Reduced (at times undetectable)
Subclinical Hyperthyroidism:	Normal or High Normal	Normal or High Normal	Reduced

LIMITATIONS:-

1. T3 and T4 circulates in reversibly bound form with Thyroid binding globulins (TBG), and to a lesser extent albumin and Thyroid binding Pre Albumin so conditions in which TBG and protein levels alter such as pregnancy, excess estrogens, androgens, anabolic steroids and glucocorticoids may falsely affect the T3 and T4 levels and may cause false thyroid values for thyroid function tests.

2. Normal levels of T4 can also be seen in Hyperthyroid patients with :T3 Thyrotoxicosis, Decreased binding capacity due to hypoproteinemia or ingestion of certain drugs (eg: phenytoin , salicylates).

3. Serum T4 levles in neonates and infants are higher than values in the normal adult , due to the increased concentration of TBG in neonate serum.

4. TSH may be normal in central hypothyroidism, recent rapid correction of hyperthyroidism or hypothroidism, pregnancy, phenytoin therapy.

TRIIODOTHYRONINE (T3)		THYROXI	NE (T4)	THYROID STIMULATING HORMONE (TSH)		
Age	Refferance Range (ng/mL)	Age	Refferance Range (µg/dL)	Age	Reference Range (μIU/mL)	
0-7 Days	0.20 - 2.65	0 - 7 Days	5.90 - 18.58	0 - 7 Days	2.43 - 24.3	
7 Days - 3 Months	0.36 - 2.59	7 Days - 3 Months	6.39 - 17.66	7 Days - 3 Months	0.58 - 11.00	
3 - 6 Months	0.51 - 2.52	3 - 6 Months	6.75 - 17.04	3 Days – 6 Months	0.70 - 8.40	





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Test Name			Value	Unit	t	Biological Reference interva
6 - 12 Months	0.74 - 2.40	6 - 12 Months	7.10 - 16.16	6 – 12 Months	0.70 - 7.00	
1 - 10 Years	0.92 - 2.28	1 - 10 Years	6.00 - 13.80	1 – 10 Years	0.60 - 5.50	
11- 19 Years	0.35 - 1.93	11 - 19 Years	4.87- 13.20	11 – 19 Years	0.50 - 5.50	
> 20 years (Adults)	0.35 - 1.93	> 20 Years (Adults)	4.87 - 12.60	> 20 Years (Adults)	0.35- 5.50	
	RECO	DMMENDATIONS OF TSH LI	EVELS DURING PRE	GNANCY (µIU/mL)		
1st Trimester			0.10 - 2.50			
	2nd Trimester		0.20 - 3.00			
	3rd Trimester	•		0.30 - 4.10		

INCREASED TSH LEVELS:

1.Primary or untreated hypothyroidism may vary from 3 times to more than 100 times normal depending upon degree of hypofunction.

2.Hypothyroid patients receiving insufficient thyroid replacement therapy.

3.Hashimotos thyroiditis

4.DRUGS: Amphetamines, idonie containing agents & dopamine antagonist.

5.Neonatal period, increase in 1st 2-3 days of life due to post-natal surge

DECREASED TSH LEVELS:

1.Toxic multi-nodular goitre & Thyroiditis.

2. Over replacement of thyroid harmone in treatment of hypothyroidism.

3. Autonomously functioning Thyroid adenoma

4. Secondary pituatary or hypothalmic hypothyroidism

5. Acute psychiatric illness

6.Severe dehydration.

7.DRUGS: Glucocorticoids, Dopamine, Levodopa, T4 replacement therapy, Anti-thyroid drugs for thyrotoxicosis.

8. Pregnancy: 1st and 2nd Trimester





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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CAN I I		
Test Name		Value	Unit	Biological Reference interval
		CLINICAL PATHO	IOGY	
		OUTINE & MICROSCOF		LION
PHYSICAL EXAMINATION				
		10	ml	
COLOUR	TANCE SPECTROPHOTOMETRY	AMBER YELLOW		PALE YELLOW
	TANCE SPECTROPHOTOMETRY	AND ER TELEOW		
TRANSPARANCY		HAZY		CLEAR
-	TANCE SPECTROPHOTOMETRY	1 01		1 002 1 020
SPECIFIC GRAVITY	TANCE SPECTROPHOTOMETRY	1.01		1.002 - 1.030
CHEMICAL EXAMINA				
REACTION		ACIDIC		
	TANCE SPECTROPHOTOMETRY			
PROTEIN		Negative		NEGATIVE (-ve)
by DIP STICK/REFLEC SUGAR	TANCE SPECTROPHOTOMETRY	Negetius		
	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
pH		<=5.0		5.0 - 7.5
-	TANCE SPECTROPHOTOMETRY			
BILIRUBIN		Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY NITRITE		Negative		NEGATIVE (-ve)
	TANCE SPECTROPHOTOMETRY.	Negative		
UROBILINOGEN		Normal	EU/dL	0.2 - 1.0
	TANCE SPECTROPHOTOMETRY	Negotius		
KETONE BODIES by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
BLOOD		Negative		NEGATIVE (-ve)
	TANCE SPECTROPHOTOMETRY			
ASCORBIC ACID		NEGATIVE (-ve)		NEGATIVE (-ve)
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY			

MICROSCOPIC EXAMINATION



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





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Test Name		Value	Unit	Biological Reference interval
RED BLOOD CELLS (F	RBCs) CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)	/HPF	0 - 3
PUS CELLS by MICROSCOPY ON (CENTRIFUGED URINARY SEDIMENT	0-2	/HPF	0 - 5
EPITHELIAL CELLS by MICROSCOPY ON (CENTRIFUGED URINARY SEDIMENT	6-8	/HPF	ABSENT

CRYSTALS NEGATIVE (-ve) NEGATIVE (-ve) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT CASTS NEGATIVE (-ve) NEGATIVE (-ve) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT BACTERIA NEGATIVE (-ve) NEGATIVE (-ve) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT NEGATIVE (-ve) NEGATIVE (-ve) OTHERS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT TRICHOMONAS VAGINALIS (PROTOZOA) ABSENT ABSENT

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

End Of Report *





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