



	<b>Dr. Vinay Chopra</b> MD (Pathology & Microb Chairman & Consultant F			Pathology)	
NAME : ]	Mrs. NALINI SINGLA				
GE/ GENDER : :	27 YRS/FEMALE	]	PATIENT ID	: 1805266	
<b>OLLECTED BY</b> : S	SURJESH	]	REG. NO./LAB NO.	:0125032500	34
<b>REFERRED BY</b> :		]	REGISTRATION DATE	:25/Mar/2025	0:17 AM
<b>BARCODE NO.</b> : (	01527732	(	COLLECTION DATE	:25/Mar/2025	0:24AM
	KOS DIAGNOSTIC LAB	]	REPORTING DATE	: 25/Mar/2025	0:54AM
<b>CLIENT ADDRESS</b> : (	3349/1, NICHOLSON ROAD, AMBAL	A CANTT			
Test Name	V	alue	Unit	Biolog	ical Reference interval
			LINESS PANEL: 1	1	
			CLNESS PANEL: 1 OOD COUNT (CBC)	.1	
RED BLOOD CELLS	(RBCS) COUNT AND INDICES				
HAEMOGLOBIN (HB)		12.4	gm/dL	12.0 -	16.0
by CALORIMETRIC RED BLOOD CELL (RI	SC) COUNT	4.59	Millions/	cmm 3.50 -	5.00
	ISING, ELECTRICAL IMPEDENCE	4.37	ivinitons/	5.50	5.00
ACKED CELL VOLUN	ME (PCV) MATED HEMATOLOGY ANALYZER	37.6	%	37.0 -	50.0
IEAN CORPUSCULA		82	fL	80.0 -	100.0
	DMATED HEMATOLOGY ANALYZER R HAEMOGLOBIN (MCH)	27	20	27.0	24.0
	MATED HEMATOLOGY ANALYZER	27	pg	27.0	54.0
	R HEMOGLOBIN CONC. (MCHC)	32.9	g/dL	32.0 -	36.0
-	FION WIDTH (RDW-CV)	14.6	%	11.00	- 16.00
-	MATED HEMATOLOGY ANALYZER	447	đ	25.0	56.0
	TION WIDTH (RDW-SD) DMATED HEMATOLOGY ANALYZER	44.7	fL	35.0 -	50.0
MENTZERS INDEX		17.86	RATIO		THALASSEMIA TRAIT:
by CALCULATED				13.0 IRON	DEFICIENCY ANEMIA:
				>13.0	
GREEN & KING INDE	X	26.07	RATIO		THALASSEMIA TRAIT:
by CALCULATED				<= 65 IRON	5.0 [ DEFICIENCY ANEMIA: ]
				65.0	
VHITE BLOOD CEL	LS (WBCS)				
OTAL LEUCOCYTE		10730	/cmm	4000	- 11000
by FLOW CYTOMETRY BY	SF CUBE & MICROSCOPY OOD CELLS (nRBCS)	NIL		0.00.	20.00
by AUTOMATED 6 PART H	EMATOLOGY ANALYZER				
JUCLEATED RED BL	OOD CELLS (nRBCS) %	NIL	%	< 10	%





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NAME	: Mrs. NALINI SINGLA			
		D A TITLE		1005000
AGE/ GENDER	: 27 YRS/FEMALE	PATIE		: 1805266
COLLECTED BY	: SURJESH	REG. N	O./LAB NO.	: 012503250034
<b>REFERRED BY</b>	:	REGIST	<b>TRATION DATE</b>	: 25/Mar/2025 10:17 AM
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	BALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
	AUTOMATED HEMATOLOGY ANALYZER			
•	EUCOCYTE COUNT (DLC)			
NEUTROPHILS		59	%	50 - 70
	Y BY SF CUBE & MICROSCOPY	39	%0	30 - 70
LYMPHOCYTES		33	%	20 - 40
by FLOW CYTOMETR	Y BY SF CUBE & MICROSCOPY			
EOSINOPHILS		3	%	1 - 6
•	Y BY SF CUBE & MICROSCOPY	5	0/	2 12
MONOCYTES by FLOW CYTOMETR	Y BY SF CUBE & MICROSCOPY	3	%	2 - 12
BASOPHILS		0	%	0 - 1
by FLOW CYTOMETR	Y BY SF CUBE & MICROSCOPY			
ABSOLUTE LEUK	COCYTES (WBC) COUNT			
ABSOLUTE NEUT	ROPHIL COUNT	6331	/cmm	2000 - 7500
	Y BY SF CUBE & MICROSCOPY			
ABSOLUTE LYMP	HOCYTE COUNT y by sf cube & microscopy	3541	/cmm	800 - 4900
ABSOLUTE EOSIN		322	/cmm	40 - 440
	Y BY SF CUBE & MICROSCOPY	522	/ chilli	
ABSOLUTE MONO	OCYTE COUNT	536	/cmm	80 - 880
	Y BY SF CUBE & MICROSCOPY			
PLATELETS AND	OTHER PLATELET PREDICTIV	<u>'E MARKERS.</u>		
PLATELET COUN	T (PLT) FOCUSING, ELECTRICAL IMPEDENCE	263000	/cmm	150000 - 450000
PLATELETCRIT (I		0.31	%	0.10 - 0.36
(	FOCUSING, ELECTRICAL IMPEDENCE	0.01	,.	
MEAN PLATELET	. ,	12	fL	6.50 - 12.0
-	FOCUSING, ELECTRICAL IMPEDENCE		,	20000 00000
	E CELL COUNT (P-LCC) FOCUSING, ELECTRICAL IMPEDENCE	105000 <sup>H</sup>	/cmm	30000 - 90000
	E CELL RATIO (P-LCR)	40	%	11.0 - 45.0
-	FOCUSING, ELECTRICAL IMPEDENCE		70	11.0 15.0
	IBUTION WIDTH (PDW)	16.2	%	15.0 - 17.0
	FOCUSING, ELECTRICAL IMPEDENCE			
NOTE: TEST CONDU	JCTED ON EDTA WHOLE BLOOD			



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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		
Test Name	Value	Unit	<b>Biological Reference interval</b>



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



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BARCODE NO.	: 01527732	COL	LECTION DATE	: 25/Mar/2025 10:24AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		ORTING DATE	: 25/Mar/2025 11:28AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	ERYTHR	OCYTE SEDIME	NTATION RATE	(ESR)
	EDIMENTATION RATE (ESR GATION BY CAPILLARY PHOTOMET	, 23	mm/1st h	r 0 - 20
as sickle cells in sick NOTE: 1. ESR and C - reactiv 2. Generally, ESR doe 3. CRP is not affected 4. If the ESR is elevat 5. Women tend to ha 6. Drugs such as dex	le cell anaemia) also lower the l e protein (C-RP) are both marke es not change as rapidly as does l <b>by as many other factors as is E</b> ed, it is typically a result of two we a higher ESR, and menstruati	ESR. CRP, either at the start <b>SR, making it a better</b> types of proteins, glob on and pregnancy can (	of inflammation or as narker of inflammatior ulins or fibrinogen. ause temporary eleva	

KOS Diagnostic Lab (A Unit of KOS Healthcare)





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		ogy & Microbiology) Consultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)	
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REFERRED BY	: : 01527732 : KOS DIAGNOSTIC LAB		REGISTRATION DATE COLLECTION DATE REPORTING DATE	: 25/Mar/2025 10:17 AM : 25/Mar/2025 10:24AM : 25/Mar/2025 01:38PM	
BARCODE NO.					
CLIENT CODE.					
CLIENT ADDRESS	: 6349/1, NICHOLSON RO	AD, AMBALA CANTT			
Test Name		Value	Unit	<b>Biological Reference interval</b>	
		ICAL CHEMISTRY	//BIOCHEMIS	STRY	
	CLIN				
	CLIN	GLUCOSE FAS	TING (F)		

KOS Diagnostic Lab (A Unit of KOS Healthcare)

**IN ACCORDANCE WITH AMERICAN DIABETES ASSOCIATION GUIDELINES:** 1. A fasting plasma glucose level below 100 mg/dl is considered normal. 2. 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. 3. 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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TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT





		Lhopra & Microbiology) onsultant Pathologis	MD	n <b>Chopra</b> (Pathology) t Pathologist
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CLIENT CODE.	: KOS DIAGNOSTIC LAB		<b>REPORTING DATE</b>	: 25/Mar/2025 01:46PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
		LIPID PRO	OFILE : BASIC	
CHOLESTEROL TO	TAL: SERUM	140.76	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OX	IDASE PAP			BORDERLINE HIGH: 200.0 -
				239.0 HIGH CHOLESTEROL: > OR =
				240.0
TRIGLYCERIDES: S	SERUM	74.35	mg/dL	OPTIMAL: < 150.0
by GLYCEROL PHOSP	HATE OXIDASE (ENZYMATIC)			BORDERLINE HIGH: 150.0 -
				199.0 HIGH: 200.0 - 499.0
				VERY HIGH: > OR = 500.0
HDL CHOLESTERC	DL (DIRECT): SERUM	56.02	mg/dL	LOW HDL: < 30.0
by SELECTIVE INHIBITI	ION			BORDERLINE HIGH HDL: 30.0
				60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTERO	L: SERUM	69.87	mg/dL	OPTIMAL: < 100.0
by CALCULATED, SPE		0,101		ABOVE OPTIMAL: 100.0 - 129.0
				BORDERLINE HIGH: 130.0 -
				159.0 HICH: 160.0 180.0
				HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
NON HDL CHOLES	TEROL: SERUM	84.74	mg/dL	OPTIMAL: < 130.0
by CALCULATED, SPE	CTROPHOTOMETRY			ABOVE OPTIMAL: 130.0 - 159.0
				BORDERLINE HIGH: 160.0 -
				189.0 HIGH: 190.0 - 219.0
				VERY HIGH: > OR = 220.0
VLDL CHOLESTER		14.87	mg/dL	0.00 - 45.00
by CALCULATED, SPE		255.07		250.00 700.00
TOTAL LIPIDS: SEI by CALCULATED, SPE		355.87	mg/dL	350.00 - 700.00
CHOLESTEROL/HD	DL RATIO: SERUM	2.51	RATIO	LOW RISK: 3.30 - 4.40
	CTROPHOTOMETRY			AVERAGE RISK: 4.50 - 7.0

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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
				MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0
LDL/HDL RATIO: S by CALCULATED, SPE		1.25	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H by CALCULATED, SPE	IDL RATIO: SERUM	1.33 <sup>L</sup>	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.

 Cow 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 ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	ALA CANT	Т	
Test Name		Value	Unit	<b>Biological Reference interval</b>
	LIVER F	UNCTIO	ON TEST (COMPLETE	C)
BILIRUBIN TOTAL by DIAZOTIZATION, SH	: SERUM PECTROPHOTOMETRY	0.45	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	T (CONJUGATED): SERUM	0.14	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE by CALCULATED, SPE	ECT (UNCONJUGATED): SERUM	0.31	mg/dL	0.10 - 1.00
SGOT/AST: SERUN by IFCC, WITHOUT PY	I RIDOXAL PHOSPHATE	20.8	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	I RIDOXAL PHOSPHATE	23.1	U/L	0.00 - 49.00
AST/ALT RATIO: S by CALCULATED, SPE		0.9	RATIO	0.00 - 46.00
ALKALINE PHOSP by PARA NITROPHEN PROPANOL	HATASE: SERUM YL PHOSPHATASE BY AMINO METHYL	50.49	U/L	40.0 - 130.0
GAMMA GLUTAM by SZASZ, SPECTROF	YL TRANSFERASE (GGT): SERUN PHTOMETRY	A 13.61	U/L	0.00 - 55.0
TOTAL PROTEINS by BIURET, SPECTRO	: SERUM	6.57	gm/dL	6.20 - 8.00
ALBUMIN: SERUM		3.54	gm/dL	3.50 - 5.50
GLOBULIN: SERUN by CALCULATED, SPE	Λ	3.03	gm/dL	2.30 - 3.50
A : G RATIO: SERU by CALCULATED, SPE	<sup>I</sup> M	1.17	RATIO	1.00 - 2.00

**INTERPRETATION** 

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	ased)

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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Test Name		Value	Unit	<b>Biological Reference interval</b>
	KIDNEY	Y FUNCTI	ON TEST (COMPLETE	$\Sigma$ )
UREA: SERUM		13.76	mg/dL	10.00 - 50.00
	ATE DEHYDROGENASE (GLDH)	15.70	mg/dL	10.00 50.00
	CREATININE: SERUM		mg/dL	0.40 - 1.20
	by ENZYMATIC, SPECTROPHOTOMETERY			7.0.25.0
BLOOD UREA NITROGEN (BUN): SERUM by CALCULATED, SPECTROPHOTOMETRY		6.43 <sup>L</sup>	mg/dL	7.0 - 25.0
BLOOD UREA NITI	ROGEN (BUN)/CREATININE	8.46 <sup>L</sup>	RATIO	10.0 - 20.0
RATIO: SERUM				
by CALCULATED, SPE UREA/CREATININI		18.11	RATIO	
by CALCULATED, SPE		10.11	KAHO	
URIC ACID: SERUM		3.08	mg/dL	2.50 - 6.80
by URICASE - OXIDAS		0.64		8.50 10.00
CALCIUM: SERUM by ARSENAZO III, SPE		9.64	mg/dL	8.50 - 10.60
PHOSPHOROUS: SH		3.84	mg/dL	2.30 - 4.70
	ATE, SPECTROPHOTOMETRY			
ELECTROLYTES				
SODIUM: SERUM		139.3	mmol/L	135.0 - 150.0
by ISE (ION SELECTIV POTASSIUM: SERU		4.17	mmol/L	3.50 - 5.00
by ISE (ION SELECTIV				5.50 5.00
	CHLORIDE: SERUM		mmol/L	90.0 - 110.0
by ISE (ION SELECTIV ESTIMATED GLO	E ELECTRODE) MERULAR FILTERATION RAT	E		
	IERULAR FILTERATION RATE			
(eGFR): SERUM		110.1		
by CALCULATED				
INTERPRETATION:	een nre- and nost renal azotemia			

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.



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





	<b>Dr. Vinay Chopra</b> MD (Pathology & Microbi Chairman & Consultant P						
NAME	: Mrs. NALINI SINGLA						
GE/ GENDER	: 27 YRS/FEMALE		<b>PATIENT ID</b>	: 1805266			
COLLECTED BY	: SURJESH		<b>REG. NO./LAB NO.</b>	:012503250034			
REFERRED BY			REGISTRATION D		7 AM		
BARCODE NO.	: 01527732		COLLECTION DAT				
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATI				
CLIENT ADDRESS	: 6349/1, NICHOLSON R			. 23/ Wai / 2023 01.4			
CLIENT ADDRESS	. 0343/ 1, MCHOLSON R	OAD, AIVIDALA CAIV					
Test Name		Value	Un	it Biological	l Reference interval		
5. Repeated dialysis 6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. <b>DECREASED RATIO</b> (< 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients <b>INAPPROPIATE RATIO</b> 1. Diabetic ketoacido should produce an in	nd starvation. e. ccreased urea synthesis. (urea rather than creatining monemias (urea is virtually of inappropiate antidiuretic <b>10:1) WITH INCREASED CREA</b> apy (accelerates conversion releases muscle creatinine) who develop renal failure.	y absent in blood). harmone) due to tu ATININE: of creatine to creati Ilse increase in creat tio).	bular secretion of urea	hodologies,resulting in norma	al ratio when dehydratio		
ESTIMATED GLOMERU	JLAR FILTERATION RATE:		(m) (min (1.72m))		1		
CKD STAGE G1	DESCRIPT Normal kidney		<u>(mL/min/1.73m2)</u> >90	ASSOCIATED FINDINGS No proteinuria	1		
G2	Kidney dama	ge with	>90	Presence of Protein,	1		
	normal or hi	gh GFR		Albumin or cast in urine			

G2	Kidney damage with	>90	Presence of Protein,
	normal or high GFR		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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AGE/ GENDER	: 27 YRS/FEMALE	PATIENT ID	: 1805266
COLLECTED BY	: SURJESH	<b>REG. NO./LAB NO.</b>	: 012503250034
<b>REFERRED BY</b>	:	<b>REGISTRATION DATE</b>	: 25/Mar/2025 10:17 AM
BARCODE NO.	: 01527732	<b>COLLECTION DATE</b>	: 25/Mar/2025 10:24AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 25/Mar/2025 01:46PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBAL	A 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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		A Microbiology) onsultant Pathologis	Dr. Yugam Chopra MD (Pathology) t CEO & Consultant Pathologist	
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAI	D, AMBALA CANTT		
		¥7. 1	TT •4	
Test Name		OID STIMULA	Unit RINOLOGY ATING HORMONE (1 uIU/mL	
THYROID STIMUL by CMIA (CHEMILUMIN Brd GENERATION, ULT	ATING HORMONE (TSH): S	ENDOC OID STIMULA SERUM 3.165	RINOLOGY	
THYROID STIMUL by CMIA (CHEMILUMIN Brd GENERATION, ULT	ATING HORMONE (TSH): S IESCENT MICROPARTICLE IMMUNC RASENSITIVE	ENDOC OID STIMULA SERUM 3.165	RINOLOGY ATING HORMONE (1 µIU/mL	<b>(1997)</b> 0.35 - 5.50
THYROID STIMUL by CMIA (CHEMILUMIN Brd GENERATION, ULT	ATING HORMONE (TSH): S	ENDOC OID STIMULA SERUM 3.165	RINOLOGY ATING HORMONE (1	ГSH) 0.35 - 5.50 (µU/mL)
THYROID STIMUL by CMIA (CHEMILUMIN Brd GENERATION, ULT	ATING HORMONE (TSH): S iescent microparticle immunc rasensitive AGE	ENDOC OID STIMULA SERUM 3.165	RINOLOGY ATING HORMONE (T µIU/mL REFFERENCE RANGE	ГSH) 0.35 - 5.50 (µU/mL) 0
THYROID STIMUL by CMIA (CHEMILUMIN	ATING HORMONE (TSH): S IESCENT MICROPARTICLE IMMUNC RASENSITIVE AGE 0 – 5 DAYS	ENDOC OID STIMULA SERUM 3.165	RINOLOGY ATING HORMONE (Π μIU/mL REFFERENCE RANGE 0.70 – 15.20	ГSH) 0.35 - 5.50 (µU/mL) 0 0
THYROID STIMUL by CMIA (CHEMILUMIN Brd GENERATION, ULT	ATING HORMONE (TSH): S IESCENT MICROPARTICLE IMMUNC RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months	ENDOC OID STIMULA SERUM 3.165	RINOLOGY ATING HORMONE (Π μIU/mL REFFERENCE RANGE 0.70 – 15.20 0.70 – 11.00	ГSH) 0.35 - 5.50 (µU/mL) 0 0
THYROID STIMUL by CMIA (CHEMILUMIN Brd GENERATION, ULT	ATING HORMONE (TSH): S IESCENT MICROPARTICLE IMMUNO RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years	ENDOC OID STIMULA SERUM 3.165	RINOLOGY ΔΤΙΝG HORMONE (Τ μIU/mL	<b>ΓSH)</b> 0.35 - 5.50 (μU/mL) 0 0 0
THYROID STIMUL by CMIA (CHEMILUMIN Brd GENERATION, ULT	ATING HORMONE (TSH): S IESCENT MICROPARTICLE IMMUNO RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years 11 - 15	ENDOC OID STIMULA SERUM 3.165	RINOLOGY ΔΤΙΝG HORMONE (Τ μIU/mL	ГSH) 0.35 - 5.50 (µU/mL) 0 0 0 0
THYROID STIMUL by CMIA (CHEMILUMIN Brd GENERATION, ULT	ATING HORMONE (TSH): S IESCENT MICROPARTICLE IMMUNO RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years	ENDOC: OID STIMULA SERUM 3.165 DASSAY)	RINOLOGY ΔΤΙΝG HORMONE (Τ μIU/mL	ГSH) 0.35 - 5.50 (µU/mL) 0 0 0 0
THYROID STIMUL by CMIA (CHEMILUMIN Brd GENERATION, ULT	ATING HORMONE (TSH): S IESCENT MICROPARTICLE IMMUNO RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years 11 - 15 > 20 Years (Adults)	ENDOC OID STIMULA SERUM 3.165	RINOLOGY ΔTING HORMONE (T μIU/mL	<b>ΓSH)</b> 0.35 - 5.50 (μU/mL) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
THYROID STIMUL by CMIA (CHEMILUMIN Brd GENERATION, ULT	ATING HORMONE (TSH): S IESCENT MICROPARTICLE IMMUNO RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years 11 - 15	ENDOC: OID STIMULA SERUM 3.165 DASSAY)	RINOLOGY ΔΤΙΝG HORMONE (Τ μIU/mL	<b>ΓSH)</b> 0.35 - 5.50 (μU/mL) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

of the order of 50 %. Hence time of the day has influence on the measured serum TSH concentration.

**USE**:- TSH controls biosynthesis and release of thyroid harmones T4 & T3. It is a sensitive measure of thyroid function, especially useful in early or subclinical hypothyroidism, before the patient develops any clinical findings or goitre or any other thyroid function abnormality. **INCREASED LEVELS**:

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

2.Hypothyroid patients receiving insufficient thyroid replacement therapy.

3.Hashimotos thyroiditis.

4.DRUGS: Amphetamines, Iodine containing agents and dopamine antagonist.

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

DECREASED 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.



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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 25/Mar/2025 01:18PM
BARCODE NO.	: 01527732	<b>COLLECTION DATE</b>	: 25/Mar/2025 10:24AM
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COLLECTED BY	: SURJESH	<b>REG. NO./LAB NO.</b>	: 012503250034
AGE/ GENDER	: 27 YRS/FEMALE	PATIENT ID	: 1805266
NAME	: Mrs. NALINI SINGLA		
	MD (Pathology & № Chairman & Consu		D (Pathology) nt Pathologist
	Dr. Vinay Cho		m Chopra

7.DRUGS: Glucocorticoids, Dopamine, Levodopa, T4 replacement therapy, Anti-thyroid drugs for thyrotoxicosis. 8.Pregnancy: 1st and 2nd Trimester

LIMITATIONS:

1.TSH may be normal in central hypothyroidism, recent rapid correction of hyperthyroidism or hypothyroidism, pregnancy, phenytoin therapy. 2.Autoimmune disorders may produce spurious results.



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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTI	NG DATE	: 25/Mar/2025 10:40AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interva</b>
		CLINICAL PATHO	DLOGY	
	URINE ROU	TINE & MICROSCO	PIC EXAMI	NATION
PHYSICAL EXAM	<b>IINATION</b>			
QUANTITY RECIE	VED CTANCE SPECTROPHOTOMETRY	10	ml	
COLOUR		PALE YELLOW		PALE YELLOW
TRANSPARANCY	CTANCE SPECTROPHOTOMETRY	HAZY		CLEAR
by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY			
SPECIFIC GRAVIT	Y CTANCE SPECTROPHOTOMETRY	1.01		1.002 - 1.030
CHEMICAL EXAN				
REACTION		NEUTRAL		
by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
	CTANCE SPECTROPHOTOMETRY	negative		NEGATIVE (-ve)
SUGAR		Negative		NEGATIVE (-ve)
pH	CTANCE SPECTROPHOTOMETRY	7		5.0 - 7.5
	CTANCE SPECTROPHOTOMETRY			
BILIRUBIN by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
NITRITE		Negative		NEGATIVE (-ve)
by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY.	Normal	EU/dL	0.2 - 1.0
by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY		LO/uL	
KETONE BODIES	CTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
BLOOD		Negative		NEGATIVE (-ve)
-	CTANCE SPECTROPHOTOMETRY			
ASCORBIC ACID by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY	NEGATIVE (-ve)		NEGATIVE (-ve)

**MICROSCOPIC EXAMINATION** 



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MD (Pathology & Microbiology) Chairman & Consultant Pathologist

Dr. Vinay Chopra



Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist

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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	ÍBALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
RED BLOOD CELL	S (RBCs) CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)	/HPF	0 - 3
PUS CELLS by MICROSCOPY ON (	CENTRIFUGED URINARY SEDIMENT	8-10	/HPF	0 - 5
EPITHELIAL CELL	S CENTRIFUGED URINARY SEDIMENT	4-5	/HPF	ABSENT
CRYSTALS by MICROSCOPY ON C	CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
CASTS by MICROSCOPY ON C	CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
BACTERIA		NEGATIVE (-ve)		NEGATIVE (-ve)

OTHERS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT TRICHOMONAS VAGINALIS (PROTOZOA)

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

\*\*\* End Of Report \*\*\*

ABSENT

NEGATIVE (-ve)





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NEGATIVE (-ve)

ABSENT