

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



9001:2008 CERTIFIED LAB	(A Unit of Dr. Vinay Cl MD (Pathology Chairman & Co		EXCELLENCE IN HEALTHCARE & DIA Dr. Yugam C MD (Pat CEO & Consultant Pat	thology)
AGE/ GENDER : 43 YRS/M COLLECTED BY : REFERRED BY : BARCODE NO. : 01528718 CLIENT CODE. : KOS DIAG		REG. I REGIS COLLI REPO	NO./LAB NO. : STRATION DATE : ECTION DATE :	1825123 012504100021 10/Apr/2025 08:14 AM 10/Apr/2025 08:23AM 10/Apr/2025 11:35AM
Test Name		Value	Unit	Biological Reference interval
	CLINIC	AL CHEMISTRY	/BIOCHEMISTI	RY
		GLUCOSE FAS	TING (F)	
est (after consumption of 75 gms	below 100 mg/dl is between 100 - 125 of glucose) is reco f above 125 mg/dl	considered normal. mg/dl is considered as gl mmended for all such pa is highly suggestive of di	tients. jabetic state. A repeat p	DIABETIC: > 0R = 126.0 diabetic. A fasting and post-prandial blood ost-prandial is strongly recommended for al ry for diabetic state.





DR.VINAY CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY & MICROBIOLOGY)

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







	MD (Vinay Chopra Pathology & Microbiolo man & Consultant Path		Dr. Yugaı MI CEO & Consultar	n Chopra D (Pathology) ht Pathologist	
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mr. SANJEEEV K : 43 YRS/MALE : : : 01528718 : KOS DIAGNOSTIC : 6349/1, NICHOLS	LAB SON ROAD, AMBALA C	REG REG COL REP CANTT	TENT ID 5. NO./LAB NO. ISTRATION DATE LECTION DATE ORTING DATE	: 1825123 : 012504100021 : 10/Apr/2025 08:14 AM : 10/Apr/2025 08:23AM : 10/Apr/2025 12:15PM	
Test Name		Val	ue	Unit	Biological Reference interval	
			CREATI	NINE		
CREATININE: SERI by ENZYMATIC, SPEC	TROPHOTOMETRY		DR.YUGAM C	mg/dL.	0.40 - 1.40	
	DR.VINAY CHOPRA CONSULTANT PATHO MBBS_MD (PATHOL			T PATHOLOGIST		
KOS Central Lab: 6349/1 KOS Molecular Lab: IInd 0171-2643898, +91 99910	, Nicholson Road, Amba Floor, Parry Hotel, Staff	la Cantt -133 001, Haryar Road, Opp. GPO, Ambala	na a Cantt - 133 0	001, Haryana		

Page 2 of 4





		Dr. Vinay Chopra MD (Pathology & Micro Chairman & Consultant	obiology)	M	a m Chopra ID (Pathology) ant Pathologist	
NAME	: Mr. SANJEE	EV KUMAR				
AGE/ GENDER	: 43 YRS/MAI	Æ		PATIENT ID	: 1825123	
COLLECTED BY	:			REG. NO./LAB NO.	:012504100021	
REFERRED BY	:			REGISTRATION DATE	: 10/Apr/2025 08:14 AM	
BARCODE NO.	:01528718			COLLECTION DATE	: 10/Apr/2025 08:23AM	
CLIENT CODE.	: KOS DIAGNO	OSTIC LAB		REPORTING DATE	: 10/Apr/2025 02:30PM	
CLIENT ADDRESS	: 6349/1, NIC	HOLSON ROAD, AMBA	LA CANTT			
Test Name			Value	Unit	Biological Refe	rence interval
		F	ENDOC	RINOLOGY		
		THYRO	ID FUNC	TION TEST: TOTA	L	
TRIIODOTHYRON by CMIA (CHEMILUMIN		UM ARTICLE IMMUNOASSAY)	0.943	ng/mL	0.35 - 1.93	
THYROXINE (T4): by CMIA (CHEMILUMIN		ARTICLE IMMUNOASSAY)	4.76 ^L	µgm/d	L 4.87 - 12.60	
THYROID STIMUL	ATING HORM	IONE (TSH): SERUM ARTICLE IMMUNOASSAY)	78.153 ^H	μIU/m	L 0.35 - 5.50	
3rd GENERATION, ULT <u>INTERPRETATION</u> :	RASENSITIVE					
day has influence on the	<i>measured serum TS</i> lure at any level of	H concentrations. TSH stime regulation of the hypothal	ulates the pr	oduction and secretion of the	9 pm. The variation is of the order of 5 e metabolically active hormones, thyr ther underproduction (hypothyroidis	oxine (T4)and
CLINICAL CONDITION		T3		T4	TSH	
Primary Hypothyroidis		Reduced		Reduced	Increased (Significantly)	4
Subclinical Hypothyroi	uism:	Normal or Low Norma	1	Normal or Low Normal	High	

111	ЛТД		NS:-
LIIN	/11 1 /	11U	143

Primary Hyperthyroidism:

Subclinical Hyperthyroidism:

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.

Increased

Normal or High Normal

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 (e.g.: phenytoin , salicylates).

3. Serum T4 levels 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 hypothyroidism, 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

Increased

Normal or High Normal





DR.VINAY CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY & MICROBIOLOGY)

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

KOS Central Lab: 6349/1, Nicholson Road, Ambala Cantt -133 001, Haryana KOS Molecular Lab: Ilnd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana 0171-2643898, +91 99910 43898 | care@koshealthcare.com | www.koshealthcare.com



Reduced (at times undetectable)

Reduced

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





		Dr. Vinay Ch MD (Pathology & Chairman & Cons	Microbiology)		Yugam Chopra MD (Pathology) nsultant Pathologist
NAME	: Mr. SANJ	EEEV KUMAR			
AGE/ GENDER	: 43 YRS/M	ALE		PATIENT ID	: 1825123
COLLECTED BY	BY :			REG. NO./LAB NO.	. : 012504100021
REFERRED BY	:			REGISTRATION D	ATE : 10/Apr/2025 08:14 AM
BARCODE NO.	:01528718	;		COLLECTION DAT	E : 10/Apr/2025 08:23AM
CLIENT CODE.	: KOS DIAG	NOSTIC LAB		REPORTING DATE	E : 10/Apr/2025 02:30PM
CLIENT ADDRE	SS : 6349/1, N	IICHOLSON ROAD,	AMBALA CANTT		
Test Name			Value	Uni	nit Biological Reference interval
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
	RECOM	MENDATIONS OF TSH LE	VELS DURING PREGN	ANCY (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, iodine 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 goiter & Thyroiditis.

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

3. Autonomously functioning Thyroid adenoma

4. Secondary pituitary or hypothalamic 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

*** End Of Report *





DR.VINAY CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY & MICROBIOLOGY)

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

