

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



		Chopra gy & Microbiology) Consultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mrs. SOVIDHA VOHRA			
AGE/ GENDER	: 30 YRS/FEMALE	PA	TIENT ID	: 1751246
COLLECTED BY	: SURJESH	RE	G. NO./LAB NO.	: 012502100006
REFERRED BY	:	RE	GISTRATION DATE	: 10/Feb/2025 08:22 AM
BARCODE NO.	: 01525248	CO	LLECTION DATE	: 10/Feb/2025 08:29AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	RE	PORTING DATE	: 10/Feb/2025 09:38AM
CLIENT ADDRESS	: 6349/1, NICHOLSON RO	AD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
HAEMOGLOBIN (HB by CALORIMETRIC INTERPRETATION:-		11 ^L	gm/dL	12.0 - 16.0
by CALORIMETRIC INTERPRETATION:- Hemoglobin is the pro- tissues back to the lun A low hemoglobin leve ANEMIA (DECRESED H/ 1) Loss of blood (traun 2) Nutritional deficience	é tein molecule in red blood gs. I is referred to as ANEMIA d	cells that carries oxygen t or low red blood count. ng, colon cancer or stom e)	from the lungs to the bo	12.0 - 16.0 odys tissues and returns carbon dioxide from the

KOS Diagnostic Lab (A Unit of KOS Healthcare)





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

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







	Dr. Vinay Ch MD (Pathology & Chairman & Con		Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mrs. SOVIDHA VOHRA			
AGE/ GENDER	: 30 YRS/FEMALE	PATIE	NT ID	: 1751246
COLLECTED BY	: SURJESH	REG. N	0./LAB NO.	: 012502100006
REFERRED BY		REGIST	RATION DATE	: 10/Feb/2025 08:22 AM
BARCODE NO.	: 01525248		CTION DATE	: 10/Feb/2025 08:29AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		TING DATE	: 10/Feb/2025 03:23PM
CLIENT CODE. CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,			. 10/ 100/ 2023 03.251 W
Test Name		Value	Unit	Biological Reference interval
	GLY	COSYLATED HAEMOG	LOBIN (HBA1C)	
GLYCOSYLATED HAE WHOLE BLOOD	MOGLOBIN (HbA1c):	5.2	%	4.0 - 6.4
by HPLC (HIGH PERFORM ESTIMATED AVERAG	MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY)	102.54	mg/dL	60.00 - 140.00
by HPLC (HIGH PERFORM ESTIMATED AVERAGE by HPLC (HIGH PERFORM	E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY)		mg/dL	60.00 - 140.00
by HPLC (HIGH PERFORM ESTIMATED AVERAG by HPLC (HIGH PERFORM INTERPRETATION: RE	E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAE FERENCE GROUP	ETES ASSOCIATION (ADA):	mg/dL MOGLOGIB (HBAIC) ir	
by HPLC (HIGH PERFORM ESTIMATED AVERAG by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab	E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAE FERENCE GROUP Detic Adults >= 18 years	ETES ASSOCIATION (ADA): GLYCOSYLATED HI	MOGLOGIB (HBAIC) ir <5.7	
by HPLC (HIGH PERFORM ESTIMATED AVERAG by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab At F	E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAE FERENCE GROUP Metic Adults >= 18 years Risk (Prediabetes)	ETES ASSOCIATION (ADA): GLYCOSYLATED HI	EMOGLOGIB (HBAIC) ir <5.7 5.7 − 6.4	
by HPLC (HIGH PERFORM ESTIMATED AVERAG by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab At F	E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAE FERENCE GROUP Detic Adults >= 18 years	ETES ASSOCIATION (ADA): GLYCOSYLATED HI	MOGLOGIB (HBAIC) ir <5.7 5.7 – 6.4 >= 6.5	
by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab At F	E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAE FERENCE GROUP Metic Adults >= 18 years Risk (Prediabetes)	ETES ASSOCIATION (ADA): GLYCOSYLATED HI	MOGLOGIB (HBAIC) ir <5.7 5.7 - 6.4 >= 6.5 > 19 Years	1%
by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab At F Diag	E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAE FERENCE GROUP vetic Adults >= 18 years Risk (Prediabetes) gnosing Diabetes	ETES ASSOCIATION (ADA): GLYCOSYLATED HI Society of the second sec	MOGLOGIB (HBAIC) ir <5.7 .7 - 6.4 >= 6.5 > 19 Years < 7.0	1%
by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab At F Diag	E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAE FERENCE GROUP Metic Adults >= 18 years Risk (Prediabetes)	ETES ASSOCIATION (ADA): GLYCOSYLATED HI Society of the second sec	MOGLOGIB (HBAIC) ir <5.7 5.7 - 6.4 >= 6.5 > 19 Years	1%

COMMENTS:

1.Glycosylated hemoglobin (HbA1c) test is three monthly monitoring done to assess compliace with therapeutic regimen in diabetic patients.

2.Since Hb1c reflects long term fluctuations in blood glucose concentration, a diabetic patient who has recently under good control may still have high concentration of HbAlc. Converse is true for a diabetic previously under good control but now poorly controlled.

3. Target goals of < 7.0 % may be beneficial in patients with short duration of diabetes, long life expectancy and no significant cardiovascular disease. In patients with significant complications of diabetes, limited life expectancy or extensive co-morbid conditions, targetting a goal of < 7.0% may not be appropriate. 4. High

HbA1c (>9.0 -9.5 %) is strongly associated with risk of development and rapid progression of microvascular and nerve complications 5. Any condition that shorten RBC life span like acute blood loss, hemolytic anemia falsely lower HbA1c results.

6.HbA1c results from patients with HbSS,HbSC and HbD must be interpreted with caution, given the pathological processes including anemia, increased red cell turnover, and transfusion requirement that adversely impact HbA1c as a marker of long-term gycemic control.

7.Specimens from patients with polycythemia or post-splenctomy may exhibit increse in HbA1c values due to a somewhat longer life span of the red cells.





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

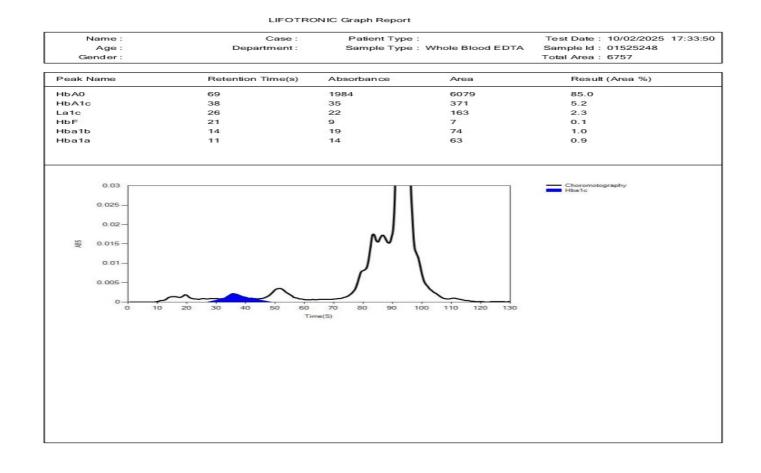


TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
: KOS DIAGNOSTIC LAB	REPOR	RTING DATE	: 10/Feb/2025 03:23PM
: 01525248	COLLE	CTION DATE	: 10/Feb/2025 08:29AM
:	REGIS	FRATION DATE	: 10/Feb/2025 08:22 AM
: SURJESH	REG. N	O./LAB NO.	: 012502100006
: 30 YRS/FEMALE	PATIE	NT ID	: 1751246
: Mrs. SOVIDHA VOHRA			
· · · · · ·	0, ,	MD CEO & Consultant	(Pathology) : Pathologist
		Dr. Yugan	
	MD (Pathology & Chairman & Cons : Mrs. SOVIDHA VOHRA : 30 YRS/FEMALE : SURJESH : : 01525248 : KOS DIAGNOSTIC LAB	: 30 YRS/FEMALE PATIE : SURJESH REG. N : REGIST : 01525248 COLLE	MD (Pathology & Microbiology) Chairman & Consultant Pathologist MD CEO & Consultant : Mrs. SOVIDHA VOHRA PATIENT ID : 30 YRS/FEMALE PATIENT ID : SURJESH REG. NO./LAB NO. : REGISTRATION DATE : 01525248 COLLECTION DATE : KOS DIAGNOSTIC LAB REPORTING DATE







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: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana 0171-2643898, +91 99910 43898 care@koshealthcare.com www.koshealthcare.com







		& Microbiology) onsultant Patholog		(Pathology)
NAME	: Mrs. SOVIDHA VOHRA			
AGE/ GENDER	: 30 YRS/FEMALE		PATIENT ID	: 1751246
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012502100006
REFERRED BY	:		REGISTRATION DATE	: 10/Feb/2025 08:22 AM
BARCODE NO.	:01525248		COLLECTION DATE	: 10/Feb/2025 08:29AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 10/Feb/2025 09:55AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD), AMBALA CANT	Т	
Test Name		Value	Unit	Biological Reference interval
	CLINI		STRY/BIOCHEMIST E FASTING (F)	'nY
GLUCOSE FASTING by GLUCOSE OXIDAS	(F): PLASMA e - peroxidase (god-pod)	89.91	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)

INTERPRETATION 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.



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: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana 0171-2643898, +91 99910 43898 | care@koshealthcare.com | www.koshealthcare.com



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





		Chopra gy & Microbiology) Consultant Pathologi:	M	a m Chopra ID (Pathology) ant Pathologist	
NAME	: Mrs. SOVIDHA VOHRA				
AGE/ GENDER	: 30 YRS/FEMALE		PATIENT ID	: 1751246	
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012502100006	
REFERRED BY	:		REGISTRATION DATE	: 10/Feb/2025 08:22 AM	
BARCODE NO.	: 01525248		COLLECTION DATE	: 10/Feb/2025 08:29AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 10/Feb/2025 10:26AM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	AD, AMBALA CANTI	2		
Test Name		Value	Unit	Biological Refer	ence interval
		ENDOC	RINOLOGY		
		THYROID FUNG	TION TEST: TOTA	Ĺ	
TRIIODOTHYRONII	NE (T3): SERUM DESCENT MICROPARTICLE IMMUI	1.024 NOASSAY)	ng/mI	0.35 - 1.93	
THYROXINE (T4): S by CMIA (CHEMILUMIN	ERUM ESCENT MICROPARTICLE IMMUI	7.26 NOASSAY)	μgm/c	L 4.87 - 12.60	
	TING HORMONE (TSH): S		µIU/m	L 0.35 - 5.50	
BY CMA (CHEMILOMIN 3rd GENERATION, ULT. INTERPRETATION:		10A33A1)			
day has influence on the i triiodothyronine (T3).Fai	measured serum TSH concentration	s. TSH stimulates the pr	oduction and secretion of the	9 pm. The variation is of the order of 505 e metabolically active hormones, thyroz ther underproduction (hypothyroidism	kine (T4)and
CLINICAL CONDITION	T3		T4	TSH	
Primary Hypothyroidis			Reduced	Increased (Significantly)	
Subclinical Hypothyroi	dism: Normal or	Low Normal	Normal or Low Normal	High	

IIM	ΙΤΑΤ	IONS:-	

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

Reduced (at times undetectable)

Reduced

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.

TRIIODOTH	YRONINE (T3)	THYROX	(INE (T4)	THYROID STIMU	LATING 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
6 - 12 Months	0.74 - 2.40	6 - 12 Months	7.10 - 16.16	6 – 12 Months	0.70 - 7.00

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: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana 0171-2643898, +91 99910 43898 | care@koshealthcare.com | www.koshealthcare.com





	Dr. Vinay Chopra MD (Pathology & Microbiolog Chairman & Consultant Patho		(Pathology)
NAME	: Mrs. SOVIDHA VOHRA		
AGE/ GENDER	: 30 YRS/FEMALE	PATIENT ID	: 1751246
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012502100006
REFERRED BY	:	REGISTRATION DATE	: 10/Feb/2025 08:22 AM
BARCODE NO.	:01525248	COLLECTION DATE	: 10/Feb/2025 08:29AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 10/Feb/2025 10:26AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CA	NTT	
Test Name	Value	e Unit	Biological Reference interval
1			

	1					1
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	
	RECON	MMENDATIONS OF TSH L	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, 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)

