



Dr. Vinay Che MD (Pathology & Chairman & Cons				Pathology)
NAME	: Mr. RAJINDER SINGH			
AGE/ GENDER	: 47 YRS/MALE	PATIE	NT ID	: 1741835
COLLECTED BY	:	REG. N	0./LAB NO.	: 012501310058
REFERRED BY	: P.G.I. (CHANDIGARH)	REGIS	FRATION DATE	: 31/Jan/2025 07:21 PM
BARCODE NO.	:01524732		CTION DATE	: 31/Jan/2025 07:23PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		RTING DATE	: 31/Jan/2025 08:36PM
			UING DAIL	. 31/ Jail/ 2023 08.301 W
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTI		
Test Name		Value	Unit	Biological Reference interval
	GL	HAEMATOL COSYLATED HAEMOG		
GLYCOSYLATED HAE WHOLE BLOOD by HPLC (HIGH PERFORM	MOGLOBIN (HbA1c):	6.3	%	4.0 - 6.4
ESTIMATED AVERAGE PLASMA GLUCOSE by HPLC (HIGH PERFORMANCE LIQUID CHROMATOGRAPHY) INTERPETATION:		134.11	mg/dL	60.00 - 140.00
	AS PER AMERICAN DIA	BETES ASSOCIATION (ADA):		
RE	FERENCE GROUP		EMOGLOGIB (HBAIC) in	%
	etic Adults >= 18 years		<5.7	
	Risk (Prediabetes)		5.7 – 6.4	
Diag	gnosing Diabetes	A_	>= 6.5 > 19 Years	
		Goals of Therapy:	> 19 Years < 7.0	
Therapeutic	goals for glycemic control	Actions Suggested:	>8.0	
			e < 19 Years	
		Goal of therapy:	<7.5	

KOS Diagnostic Lab

(A Unit of KOS Healthcare)

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

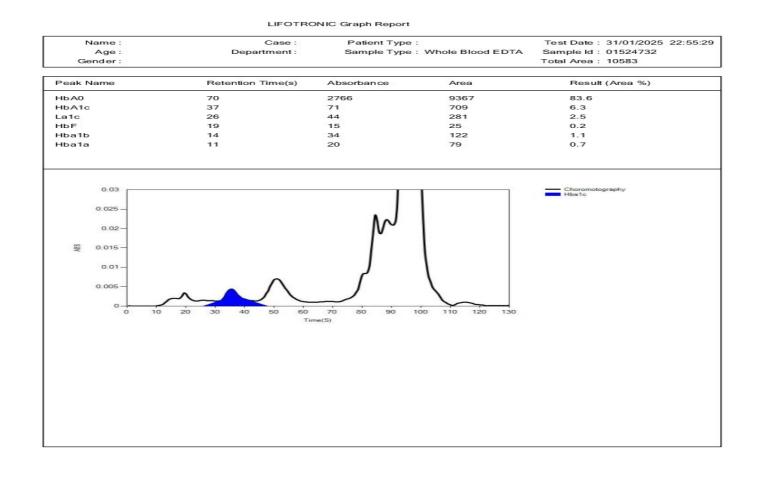


TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT





	Dr. Vinay Choj MD (Pathology & M Chairman & Consu	licrobiology) MI	m Chopra D (Pathology) ht Pathologist
NAME	: Mr. RAJINDER SINGH		
AGE/ GENDER	: 47 YRS/MALE	PATIENT ID	: 1741835
COLLECTED BY	:	REG. NO./LAB NO.	: 012501310058
REFERRED BY	: P.G.I. (CHANDIGARH)	REGISTRATION DATE	: 31/Jan/2025 07:21 PM
BARCODE NO.	: 01524732	COLLECTION DATE	: 31/Jan/2025 07:23PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 31/Jan/2025 08:36PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT	
Test Name		Value Unit	Biological Reference interval







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 Choj MD (Pathology & M Chairman & Consu	1icrobiology)	Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist	
NAME	: Mr. RAJINDER SINGH			
AGE/ GENDER	: 47 YRS/MALE	PA	ATIENT ID	: 1741835
COLLECTED BY	:	RI	EG. NO./LAB NO.	: 012501310058
REFERRED BY	: P.G.I. (CHANDIGARH)		EGISTRATION DATE	: 31/Jan/2025 07:21 PM
BARCODE NO.	: 01524732		DLLECTION DATE	: 31/Jan/2025 07:23PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		EPORTING DATE	: 31/Jan/2025 10:26PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	MBALA CANTT		
		Value	Unit	Biological Reference interv
	THYROI ATING HORMONE (TSH): SERUM VESCENT MICROPARTICLE IMMUNOASS	ENDOCRI D STIMULATI 1 2.137		
THYROID STIMULA by CMIA (CHEMILUMII Brd GENERATION, ULT	ATING HORMONE (TSH): SERUM	ENDOCRI D STIMULATI 1 2.137	NOLOGY NG HORMONE (TS	H)
THYROID STIMULA by CMIA (CHEMILUMII Brd GENERATION, ULT	ATING HORMONE (TSH): SERUM	ENDOCRI D STIMULATI 1 2.137	NOLOGY NG HORMONE (TS	H) 0.35 - 5.50
THYROID STIMULA by CMIA (CHEMILUMII Brd GENERATION, ULT	ATING HORMONE (TSH): SERUM Nescent microparticle immunoass Trasensitive	ENDOCRI D STIMULATI 1 2.137	NOLOGY ING HORMONE (TS μIU/mL	H) 0.35 - 5.50
THYROID STIMULA by CMIA (CHEMILUMII Brd GENERATION, ULT	ATING HORMONE (TSH): SERUM NESCENT MICROPARTICLE IMMUNOASS IRASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months	ENDOCRI D STIMULATI 1 2.137	NOLOGY ING HORMONE (TS μIU/mL REFFERENCE RANGE (0.70 – 15.20 0.70 – 11.00	H) 0.35 - 5.50
THYROID STIMULA by CMIA (CHEMILUMII Brd GENERATION, UL1	ATING HORMONE (TSH): SERUM NESCENT MICROPARTICLE IMMUNOASS IRASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months	ENDOCRI D STIMULATI 1 2.137	NOLOGY ING HORMONE (TS μIU/mL REFFERENCE RANGE (0.70 – 15.20 0.70 – 11.00 0.70 – 8.40	H) 0.35 - 5.50
THYROID STIMUL	ATING HORMONE (TSH): SERUM NESCENT MICROPARTICLE IMMUNOASS TRASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years	ENDOCRI D STIMULATI 1 2.137	NOLOGY ING HORMONE (TS μIU/mL REFFERENCE RANGE (0.70 – 15.20 0.70 – 11.00 0.70 – 8.40 0.70 – 7.00	H) 0.35 - 5.50
THYROID STIMULA by CMIA (CHEMILUMII Brd GENERATION, UL1	ATING HORMONE (TSH): SERUM NESCENT MICROPARTICLE IMMUNOASS RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years	ENDOCRI D STIMULATI 1 2.137	NOLOGY ING HORMONE (TS μIU/mL REFFERENCE RANGE (0.70 – 15.20 0.70 – 11.00 0.70 – 8.40 0.70 – 7.00 0.60 – 5.50	H) 0.35 - 5.50
THYROID STIMULA by CMIA (CHEMILUMII Brd GENERATION, UL1	ATING HORMONE (TSH): SERUM NESCENT MICROPARTICLE IMMUNOASS TRASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years 11 - 15	ENDOCRI D STIMULATI 1 2.137	NOLOGY ING HORMONE (TS μIU/mL REFFERENCE RANGE (0.70 – 15.20 0.70 – 11.00 0.70 – 8.40 0.70 – 7.00 0.60 – 5.50 0.50 – 5.50	H) 0.35 - 5.50
THYROID STIMULA by CMIA (CHEMILUMII Brd GENERATION, UL1	ATING HORMONE (TSH): SERUM VESCENT MICROPARTICLE IMMUNOASS RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years 11 - 15 > 20 Years (Adults)	ENDOCRI D STIMULATI 1 2.137 AY)	NOLOGY ING HORMONE (TS μIU/mL REFFERENCE RANGE (0.70 – 15.20 0.70 – 11.00 0.70 – 8.40 0.70 – 7.00 0.60 – 5.50	H) 0.35 - 5.50
THYROID STIMULA by CMIA (CHEMILUMII Brd GENERATION, UL1	ATING HORMONE (TSH): SERUM VESCENT MICROPARTICLE IMMUNOASS TRASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years 11 - 15 > 20 Years (Adults)	ENDOCRI D STIMULATI 1 2.137	NOLOGY ING HORMONE (TS μIU/mL REFFERENCE RANGE (0.70 – 15.20 0.70 – 11.00 0.70 – 11.00 0.70 – 8.40 0.70 – 7.00 0.60 – 5.50 0.50 – 5.50 0.27 – 5.50	H) 0.35 - 5.50
THYROID STIMULA by CMIA (CHEMILUMII Brd GENERATION, UL1	ATING HORMONE (TSH): SERUM VESCENT MICROPARTICLE IMMUNOASS RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years 11 - 15 > 20 Years (Adults)	ENDOCRI D STIMULATI 1 2.137 AY)	NOLOGY ING HORMONE (TS μIU/mL REFFERENCE RANGE (0.70 – 15.20 0.70 – 11.00 0.70 – 8.40 0.70 – 7.00 0.60 – 5.50 0.50 – 5.50	H) 0.35 - 5.50

KOS Diagnostic Lab

(A Unit of KOS Healthcare)

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.

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





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 & Microbio Chairman & Consultant Pa		(Pathology)
NAME	: Mr. RAJINDER SINGH		
AGE/ GENDER	: 47 YRS/MALE	PATIENT ID	: 1741835
COLLECTED BY	:	REG. NO./LAB NO.	: 012501310058
REFERRED BY	: P.G.I. (CHANDIGARH)	REGISTRATION DATE	: 31/Jan/2025 07:21 PM
BARCODE NO.	: 01524732	COLLECTION DATE	: 31/Jan/2025 07:23PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 31/Jan/2025 10:26PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA	CANTT	
Test Name	Va	lue Unit	Biological Reference interval

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.



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.



	MD (Pathology & I	MD (Pathology & Microbiology)		Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist	
NAME	: Mr. RAJINDER SINGH				
AGE/ GENDER	: 47 YRS/MALE		PATIENT ID	: 1741835	
COLLECTED BY	:		REG. NO./LAB NO.	: 012501310058	
REFERRED BY	: P.G.I. (CHANDIGARH)		REGISTRATION DATE	: 31/Jan/2025 07:21 PM	
BARCODE NO.	: 01524732		COLLECTION DATE	: 31/Jan/2025 07:23PM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	:01/Feb/2025 11:54AM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANT'	Г		
Test Name		Value	Unit	Biological Reference interva	
	IMM	поратн	OLOGY/SEROLOGY	v	
			ANTIGEN DETECTION		
by CLIA (CHEMILUMINI INTERPRETATION: CLINICAL BACKGROUI H pylori infection is a an independent risk f infected with H. pylor NOTE: 1. It is a chemilumine for diagnosis, therapy 2. It is a qualitative te 3. A positive result (a 4. A negative result of 5. Assay results shou patient management	associated with peptic ulcer disea actor for gastric cancer and prima i may not show any symptoms of t scent Immunoassay (CLIA) for det eutic monitoring and to assess era est. ntigen detected) is indicative of H oes not exclude the possibility of Id be utilized in conjuction with c	ry malignant ly the disease. ection of Helic dication of H. pylori presenc Helicobacter p other clinical a preparations a date formalin,	mphoma of the stomach. He cobacter pylori antigen in fac pylori infection post treatme volori infection. nd laoratory data to assist t re known to supress H.pylor sodium acetate formalin,or	ecal samples and can be used ent. he clinician in making individual ri and if ingested may give a	
7. Fecal specimens pi					
7. Fecal specimens pi		* End Of F			

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)

