A PIONEER DIAGNOSTIC CENTRE

【 0171-2532620, 8222896961 🛛 🖾 pkrjainhealthcare@gmail.com

COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: 46 YRS/FEMALE		
REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	. 40 IRS/ FEMALE	PATIENT ID	: 1746183
BARCODE NO. : CLIENT CODE. : CLIENT ADDRESS :		REG. NO./LAB NO.	: 122502050006
CLIENT CODE.		REGISTRATION DATE	: 05/Feb/2025 09:54 AM
CLIENT ADDRESS	: 12506840	COLLECTION DATE	: 05/Feb/2025 11:36AM
	P.K.R JAIN HEALTHCARE INSTITUTE	REPORTING DATE	:05/Feb/202501:16PM
	NASIRPUR, HISSAR ROAD, AMBALA CIT	TY - HARYANA	
Test Name	Valı	ue Unit	Biological Reference interval
	HA	AEMATOLOGY	
	НАІ	EMOGLOBIN (HB)	
HAEMOGLOBIN (HB)	10.2	22^L gm/dI	12.0 - 16.0
by CALORIMETRIC INTERPRETATION:-			
	ein molecule in red blood cells that carrie	es oxygen from the lungs to the	e bodys tissues and returns carbon dioxide from t
tissues back to the lung			
A low nemoglobin level ANEMIA (DECRESED HA	is referred to as ANEMIA or low red bloo	d count.	
1) Loss of blood (trauma	atic injury, surgery, bleeding, colon canc	er or stomach ulcer)	
Nutritional deficiency	y (iron, vitamin B12, folate)		
 Bone marrow probler Suppression by red b 	ns (replacement of bone marrow by cand lood cell synthesis by chemotherapy dru		
5) Kidney failure	nood cell synthesis by chemotherapy ard	193	
6) Abnormal hemoglobi	in structure (sickle cell anemia or thalass	semia).	
POLYCYTHEMIA (INČREA	ASED HAEMOGLOBIN):		
1) People in higher altit 2) Smoking (Secondary			
3) Dehvdration produce	es a falsely rise in hemoglobin due to incr	reased haemoconcentration	
4) Advanced lung diseas	se (for example, emphysema)		
5) Certain tumors			
	e marrow known as polycythemia rubra		the amount of oxygen available to the body by

7) Abuse of the drug erythropoetin (Epogen) by athletes for blood doping purposes (increasing the amount of oxygen available to the body by chemically raising the production of red blood cells).

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD



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DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST





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NAME	: Mrs. JASWINDER KAUR		
AGE/ GENDER	: 46 YRS/FEMALE	PATIENT ID	: 1746183
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BARCODE NO.	: 12506840	COLLECTION DATE	: 05/Feb/2025 11:36AM
CLIENT CODE.	: P.K.R JAIN HEALTHCARE INSTITUTE	REPORTING DATE	: 05/Feb/2025 01:48PM
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMBALA CITY	- HARYANA	
Test Name	Value	e Unit	Biological Reference interval
	DIMENTATION RATE (ESR) 43 ^H GATION BY CAPILLARY PHOTOMETRY	EDIMENTATION RATE (1 mm/1st	,
immune disease, but 2. An ESR can be affe as C-reactive protein	does not tell the health practitioner exactly of cted by other conditions besides inflammatic be used to monitor disease activity and response ematosus	where the inflammation is in the on. For this reason, the ESR is ty	ion associated with infection, cancer and auto e body or what is causing it. pically used in conjunction with other test suc bove diseases as well as some others, such as
(polycythaemia), sigr	n with conditions that inhibit the norma <mark>l sed</mark> hificantly high white blood cell count (leucoc e cell anaemia) also lower the ESR.	imentation of red blood cells, so ytosis), and some protein abno	uch as a high red blood cell count rmalities. Some changes in red cell shape (su
1. ESR and C - reactiv 2. Generally, ESR doe 3. CRP is not affected	e protein (C-RP) are both markers of inflamm es not change as rapidly as does CRP, either a by as many other factors as is ESR, making it	t the start of inflammation or as a better marker of inflammatior	

4. If the ESR is elevated, it is typically a result of two types of proteins, globulins or fibrinogen.
5. Women tend to have a higher ESR, and menstruation and pregnancy can cause temporary elevations.
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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: Mrs. JASWINDER KAUR				
: 46 YRS/FEMALE	PAT	ENT ID	: 17461	83
:	REG.	NO./LAB NO.	: 1225	02050006
:	REGI	STRATION DATE	:05/Fel	b/2025 09:43 AM
: 12506840	COLI	LECTION DATE	:05/Fel	b/2025 11:36AM
: P.K.R JAIN HEALTHCARE INS	STITUTE REPO	DRTING DATE	:05/Fel	b/2025 01:16PM
: NASIRPUR, HISSAR ROAD, A	MBALA CITY - HARYAN	A		
	Value	Unit		Biological Reference interval
CLINIC	CAL CHEMISTRY	/BIOCHEMIST	RY	
	GLUCOSE FAS	TING (F)		
-	: : 12506840 : P.K.R JAIN HEALTHCARE INS : NASIRPUR, HISSAR ROAD, A	: REG. : REG. : 12506840 COLL : P.K.R JAIN HEALTHCARE INSTITUTE REPO : NASIRPUR, HISSAR ROAD, AMBALA CITY - HARYAN Value	: REG. NO./LAB NO. : REGISTRATION DATE : 12506840 COLLECTION DATE : P.K.R JAIN HEALTHCARE INSTITUTE REPORTING DATE : NASIRPUR, HISSAR ROAD, AMBALA CITY - HARYANA Value Unit	REG. NO./LAB NO.: 12250REGISTRATION DATE: 05/Fel: 12506840COLLECTION DATE: P.K.R JAIN HEALTHCARE INSTITUTEREPORTING DATE: NASIRPUR, HISSAR ROAD, AMBALA CITY - HARYANA

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

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 of above 125 mg/dl is highly suggestive of diabetic state. A repeat post-prandial is strongly recommended for all such patients.





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CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMBA	LA CITY - HARYAI	NA	
Test Name		Value	Unit	Biological Reference interval
		URIC A	CID	
URIC ACID: SERUM by URICASE - OXIDAS		3.81	mg/dL	2.50 - 6.80
3.Cytolytic treatment	rines (organ meats,legumes,anchov of malignancies especially leukema & myeloid metaplasia.	es, etc). s & lymphomas.		





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COLLECTED BY	:	REG	G. NO./LAB NO.	: 1225	02050006	
REFERRED BY	:	REG	GISTRATION DATE	:05/Fe	b/2025 09:4	3 AM
BARCODE NO.	: 12506840	COI	LLECTION DATE	:05/Fe	b/2025 11:3	6AM
CLIENT CODE.	: P.K.R JAIN HEALTHCARE INS	TITUTE Rei	PORTING DATE	:05/Fel	b/2025 01:1	6PM
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AM	IBALA CITY - HARYA	NA			
Test Name		Value	Unit		Biologica	l Reference interva
by CMIA (CHEMILUMIN	TING HORMONE (TSH): SERU	M 2.28	NOLOGI NG HORMONE (TS µIU/mL	5H)	0.35 - 5.5	60
by CMIA (CHEMILUMIN 3rd GENERATION, ULTI	TING HORMONE (TSH): SERU	DID STIMULATIN M 2.28	NG HORMONE (TS	SH)	0.35 - 5.5	50
by CMIA (CHEMILUMIN 3rd GENERATION, ULTI	TING HORMONE (TSH): SERU	DID STIMULATIN M 2.28	NG HORMONE (TS		0.35 - 5.5	50
by CMIA (CHEMILUMIN 3rd GENERATION, ULTI	TING HORMONE (TSH): SERU escent microparticle immunoas rasensitive	DID STIMULATIN M 2.28	NG HORMONE (TS μIU/mL	(μlU/mL)	0.35 - 5.5	50
by CMIA (CHEMILUMIN 3rd GENERATION, ULTI INTERPRETATION:	TING HORMONE (TSH): SERU ESCENT MICROPARTICLE IMMUNOAS RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months	DID STIMULATIN M 2.28	NG HORMONE (TS μIU/mL REFFERENCE RANGE (0.70 – 15.20 0.70 – 11.00	(μIU/mL)	0.35 - 5.5	50
by CMIA (CHEMILUMIN 3rd GENERATION, ULTI INTERPRETATION:	TING HORMONE (TSH): SERU ESCENT MICROPARTICLE IMMUNOAS RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months	DID STIMULATIN M 2.28	NG HORMONE (TS μIU/mL REFFERENCE RANGE 0.70 – 15.20 0.70 – 11.00 0.70 – 8.40	(μIU/mL)	0.35 - 5.5	50
by CMIA (CHEMILUMIN 3rd GENERATION, ULTI INTERPRETATION:	TING HORMONE (TSH): SERU ESCENT MICROPARTICLE IMMUNOAS RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years	DID STIMULATIN M 2.28	NG HORMONE (TS μIU/mL REFFERENCE RANGE (0.70 – 15.20 0.70 – 11.00 0.70 – 8.40 0.70 – 7.00	(μIU/mL)	0.35 - 5.5	50
by CMIA (CHEMILUMIN 3rd GENERATION, ULTI INTERPRETATION:	TING HORMONE (TSH): SERU ESCENT MICROPARTICLE IMMUNOAS RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years	DID STIMULATIN M 2.28	NG 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	(μIU/mL)	0.35 - 5.5	50
by CMIA (CHEMILUMIN 3rd GENERATION, ULTI INTERPRETATION:	TING HORMONE (TSH): SERU ESCENT MICROPARTICLE IMMUNOAS RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years 11 - 15	DID STIMULATIN M 2.28	NG 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	(μIU/mL)	0.35 - 5.5	50
by CMIA (CHEMILUMIN 3rd GENERATION, ULTI INTERPRETATION:	TING HORMONE (TSH): SERU ESCENT MICROPARTICLE IMMUNOAS RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years	DID STIMULATIN M 2.28 SSAY)	NG 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	(μIU/mL)	0.35 - 5.5	50
by CMIA (CHEMILUMIN 3rd GENERATION, ULTI INTERPRETATION:	TING HORMONE (TSH): SERU ESCENT MICROPARTICLE IMMUNOAS RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years 11 - 15 > 20 Years (Adults)	DID STIMULATIN M 2.28	NG 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 0.27 – 5.50	(μIU/mL)	0.35 - 5.5	50
by CMIA (CHEMILUMIN 3rd GENERATION, ULTI INTERPRETATION:	TING HORMONE (TSH): SERU ESCENT MICROPARTICLE IMMUNOAS RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years 11 - 15	DID STIMULATIN M 2.28 SSAY)	NG 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	(μIU/mL)	0.35 - 5.5	50

NOTE:-TSH levels are subjected to circardian variation, reaching peak levels between 2-4 a.m and at a minimum between 6-10 pm. The variation is 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, lodine 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.





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Test Name	Value	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.







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LIENT CODE.	: P.K.R JAIN HEALTHCARE INST	ITUTE RE I	PORTING DATE	: 05/Feb/2025 04:59PM
LIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMI	BALA CITY - HARYA	NA	
Fest Name		Value	Unit	Biological Reference interval
	IMMI	INOPATHOL)GY/SEROLOGY	V
			QUANTITATIVE	
RHEUMATOID (RA) ERUM by NEPHLOMETRY	FACTOR QUANTITATIVE:	0.85	IU/mL	NEGATIVE: < 18.0 BORDERLINE: 18.0 - 25.0 POSITIVE: > 25.0
 Over 75% of patient iseful although it may Inflammatory Marks The titer of RF corree The test is useful fo HEUMATOID ARTHIRI Rheumatoid Arthiri 	(RF) are antibodies that are direc s with rheumatoid arthritis (RA) I not be etiologically related to RA ers such as ESR & C-Reactive prot- lates poorly with disease activity, r diagnosis and prognosis of rheu rIS:	have an IgM antibou ein (CRP) are norma but those patients umatoid arthritis.	by to IgG immunoglobu I in about 60 % of pation with high titers tend to nctional in origin and i	ulin. This autoantibody (RF) is diagnostically ents with positive RA. have more severe disease course.

4. Anti-CCP have been discovered in joints of patients with RA, but not in other form of joint disease. Anti-CCP2 is HIGHLY SENSITIVE (71%) & more specific (98%) than RA factor. 5. Upto 30 % of patients with Seronegative Rheumatoid arthiritis also show Anti-CCP antibodies.

6. The positive predictive value of Anti-CCP antibodies for Rheumatoid Arthiritis is far greater than Rheumatoid factor.



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CLIENT CODE.	: P.K.R JAIN HEALTHCARE INSTIT	TUTE RI	EPORTING DATE	:05/Feb/202501:16PM
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMB.	ALA CITY - HARY	ANA	
Test Name		Value	Unit	Biological Reference interval
		VITA	MINS	
	VITAM	IN D/25 HYD	ROXY VITAMIN D	3
	DROXY VITAMIN D3): SERUM escence immunoassay)	19.11 ^L	ng/mL	DEFICIENCY: < 20.0 INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0
INTERPRETATION:	CIENT:	< 20		ı/mL

<u>INTERPRETATION:</u>		
DEFICIENT:	< 20	ng/mL
INSUFFICIENT:	21 - 29	ng/mL
PREFFERED RANGE:	30 - 100	ng/mL
INTOXICATION:	> 100	ng/mL

1. Vitamin D compounds are derived from dietary ergocalciferol (from plants, Vitamin D2), or cholecalciferol (from animals, Vitamin D3), or by conversion of 7- dihydrocholecalciferol to Vitamin D3 in the skin upon Ultraviolet exposure.

2.25-OH--Vitamin D represents the main body resevoir and transport form of Vitamin D and transport form of Vitamin D, being stored in adipose tissue and tightly bound by a transport protein while in circulation.

3.Vitamin D plays a primary role in the maintenance of calcium homeostatis. It promotes calcium absorption, renal calcium absorption and phosphate reabsorption, skeletal calcium deposition, calcium mobilization, mainly regulated by parathyroid harmone (PTH).
4.Severe deficiency may lead to failure to mineralize newly formed osteoid in bone, resulting in rickets in children and osteomalacia in adults.

DECREASED:

TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTI

1.Lack of sunshine exposure.

2.Inadequate intake, malabsorption (celiac disease)

3.Depressed Hepatic Vitamin D 25- hvdroxylase activity

4. Secondary to advanced Liver disease

5. Osteoporosis and Secondary Hyperparathroidism (Mild to Moderate deficiency)

6.Enzyme Inducing drugs: anti-epileptic drugs like phenytoin, phenobarbital and carbamazepine, that increases Vitamin D metabolism.

INCREASED:

1. Hypervitaminosis D is Rare, and is seen only after prolonged exposure to extremely high doses of Vitamin D. When it occurs, it can result in severe hypercalcemia and hyperphophatemia.

CAUTION: Replacement therapy in deficient individuals must be monitored by periodic assessment of Vitamin D levels in order to prevent hypervitaminosis D

NOTE:-Dark coloured individuals as compare to whites, is at higher risk of developing Vitamin D deficiency due to excess of melanin pigment which interefere with Vitamin D absorption.

*** End Of Report ***





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