# **PKR JAIN HEALTHCARE INSTITUTE** NASIRPUR, Hissar Road, AMBALA CITY- (Haryana) A PIONEER DIAGNOSTIC CENTRE

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

NAME	: Mrs. PRISHA			
AGE/ GENDER	: 37 YRS/FEMALE		PATIENT ID	: 1556420
<b>COLLECTED BY</b>	:		<b>REG. NO./LAB NO.</b>	: 122407220003
<b>REFERRED BY</b>	:		<b>REGISTRATION DATE</b>	: 22/Jul/2024 08:36 AM
BARCODE NO.	: 12503718		<b>COLLECTION DATE</b>	: 22/Jul/2024 01:30PM
CLIENT CODE.	: P.K.R JAIN HEALTHCARE INSTITU	TE	<b>REPORTING DATE</b>	: 22/Jul/2024 11:56AM
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMBAI	LA CITY - HA	ARYANA	
Test Name		Value	Unit	Biological Reference interval
	SWAS	THYA WI	ELLNESS PANEL: 1.5	
	COM	IPLETE BL	OOD COUNT (CBC)	
RED BLOOD CELLS (R	BCS) COUNT AND INDICES			
HAEMOGLOBIN (HB)		13	gm/dL	12.0 - 16.0
RED BLOOD CELL (RB		4.38	Millions/cr	mm 3.50 - 5.00
PACKED CELL VOLUM	DCUSING, ELECTRICAL IMPEDENCE E (PCV) JTOMATED HEMATOLOGY ANALYZER	38.1	%	37.0 - 50.0
MEAN CORPUSCULAR		86.9	KK fl	80.0 - 100.0
	R HAEMOGLOBIN (MCH) JTOMATED HEMATOLOGY ANALYZER	29.7	pg	27.0 - 34.0
	R HEMOGLOBIN CONC. (MCHC)	34.2	g/dL	32.0 - 36.0
by CALCULATED BY AU	ON WIDTH (RDW-CV) JTOMATED HEMATOLOGY ANALYZER	14.1	%	11.00 - 16.00
by CALCULATED BY AU	ON WIDTH (RDW-SD) JTOMATED HEMATOLOGY ANALYZER	46.7	fL	35.0 - 56.0
MENTZERS INDEX by CALCULATED		19.84	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDE	<	27.99	RATIO	BETA THALASSEMIA TRAIT: < = 65.0 IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELLS	<u>(WBCS)</u>			
TOTAL LEUCOCYTE CO	DUNT (TLC) by sf cube & microscopy	7150	/cmm	4000 - 11000
NUCLEATED RED BLO by CALCULATED BY AU MICROSCOPY	OD CELLS (nRBCS) JTOMATED HEMATOLOGY ANALYZER &	NIL		0.00 - 20.00
NUCLEATED RED BLO by CALCULATED BY AU MICROSCOPY	OD CELLS (nRBCS) % JTOMATED HEMATOLOGY ANALYZER &	NIL	%	< 10 %





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DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST

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CLIENT CODE. CLIENT ADDRESS				. 22/Jul/2024 11.30AM
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMB	ALA ULI I - HI	ARIANA	
Test Name		Value	Unit	Biological Reference interval
DIFFERENTIAL LEUCO	OCYTE COUNT (DLC)			
NEUTROPHILS		47 <sup>L</sup>	%	50 - 70
-	Y BY SF CUBE & MICROSCOPY		0/	20 40
LYMPHOCYTES by FLOW CYTOMETRY	BY SF CUBE & MICROSCOPY	45 <sup>H</sup>	%	20 - 40
EOSINOPHILS		2	%	1 - 6
	BY SF CUBE & MICROSCOPY		0/	2 12
MONOCYTES by FLOW CYTOMETRY	BY SF CUBE & MICROSCOPY	6	%	2 - 12
BASOPHILS		0	%	0 - 1
,	BY SF CUBE & MICROSCOPY			
ABSOLUTE LEUKOCY	TES (WBC) COUNT			
ABSOLUTE NEUTROP		33 <mark>61</mark>	/cmm	2000 - 7500
	BY SF CUBE & MICROSCOPY		1	000 4000
ABSOLUTE LYMPHOC	YTE COUNT BY SF CUBE & MICROSCOPY	3218 <sup>L</sup>	/cmm	800 - 4900
ABSOLUTE EOSINOPH		143	/cmm	40 - 440
by FLOW CYTOMETRY	BY SF CUBE & MICROSCOPY			
ABSOLUTE MONOCY		429	/cmm	80 - 880
ABSOLUTE BASOPHIL	BY SF CUBE & MICROSCOPY	0	/cmm	0 - 110
	BY SF CUBE & MICROSCOPY	Ŭ	701111	0 110
PLATELETS AND OTH	ER PLATELET PREDICTIVE MARKE	RS.		
PLATELET COUNT (PL	T)	313000	/cmm	150000 - 450000
	OCUSING, ELECTRICAL IMPEDENCE	• •		
PLATELETCRIT (PCT)	OCUSING, ELECTRICAL IMPEDENCE	0.3	%	0.10 - 0.36
MEAN PLATELET VOL		10	fL	6.50 - 12.0
	OCUSING, ELECTRICAL IMPEDENCE			5.55 .2.0
PLATELET LARGE CEL	. ,	77000	/cmm	30000 - 90000
-	OCUSING, ELECTRICAL IMPEDENCE	247	0/	11.0 45.0
PLATELET LARGE CEL	L RATIO (P-LCR) OCUSING, ELECTRICAL IMPEDENCE	24.7	%	11.0 - 45.0
PLATELET DISTRIBUT		16.1	%	15.0 - 17.0
	OCUSING, ELECTRICAL IMPEDENCE			

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD



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Test Name	Value	Unit	Biological Reference interval
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CLIENT CODE.	: P.K.R JAIN HEALTHCARE IN	ISTITUTE	REPORTING DATE	: 22/Jul/2024 03:19PM
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, A			
Test Name		Value	Unit	Biological Reference interval
	(	GLYCOSYLATED H	IAEMOGLOBIN (HBA1C)	
GLYCOSYLATED HAEMO WHOLE BLOOD	DGLOBIN (HbA1c):	5.3	%	4.0 - 6.4
ESTIMATED AVERAGE F	,	105.41	mg/dL	60.00 - 140.00
	AS PER AMERICAN DI	ABETES ASSOCIATION		
RE	FERENCE GROUP		YLATED HEMOGLOGIB (HBAIC) i	n %
	etic Adults >= 18 years		<5.7	
	Risk (Prediabetes)		5.7 - 6.4	
Diag	gnosing Diabetes		>= 6.5	
			Age > 19 Years	
		Goals of Th		-
Therapeutic	goals for glycemic control	Actions Sug		
		Age < 19 Years		
		Goal of the	erapy: <7.5	

## 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, long life expectancy and no significant cardiovascular disease. In patients with significant complications 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.





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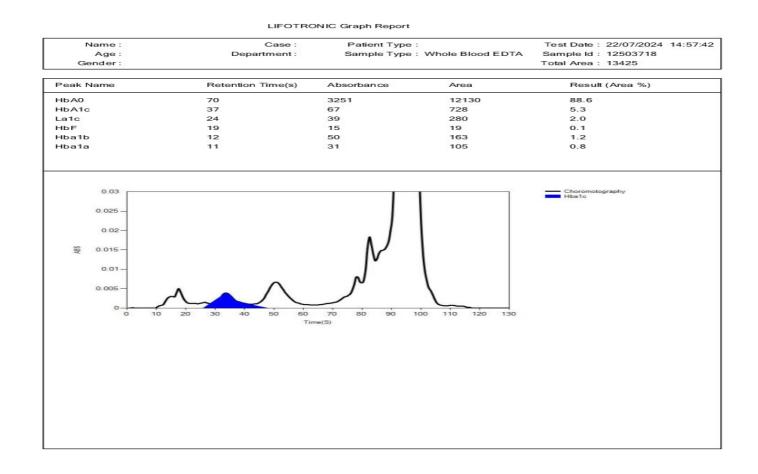
DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS , MD (PATHOLOGY)



#### NAME : Mrs. PRISHA AGE/ GENDER : 37 YRS/FEMALE **PATIENT ID** :1556420 **COLLECTED BY** REG. NO./LAB NO. : 122407220003 : **REFERRED BY REGISTRATION DATE** : 22/Jul/2024 08:36 AM : **BARCODE NO.** : 12503718 **COLLECTION DATE** : 22/Jul/2024 01:30PM CLIENT CODE. : P.K.R JAIN HEALTHCARE INSTITUTE **REPORTING DATE** : 22/Jul/2024 03:19PM **CLIENT ADDRESS** : NASIRPUR, HISSAR ROAD, AMBALA CITY - HARYANA Test Name Value Unit **Biological Reference interval**

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CLIENT CODE.	: P.K.R JAIN HEALTHCARE INS	TITUTE <b>REP</b>	ORTING DATE	: 22/Jul/2024 02:05PM
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, A	MBALA CITY - HARYAN	IA	
Test Name		Value	Unit	Biological Reference interval
	ERYTI	ROCYTE SEDIMEN	TATION RATE (ESI	R)
	MENTATION RATE (ESR)	10	mm/1st h	r 0-20
immune disease, but 2. An ESR can be affe as C-reactive protein	does not tell the health practition cted by other conditions besides	oner exactly where the inflammation. For this	inflammation is in the reason, the ESR is typ	on associated with infection, cancer and auto body or what is causing it. bically used in conjunction with other test suc bove diseases as well as some others, such as



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: 22/Jul/2024 01:30PM
: 22/Jul/2024 11:57AM
Biological Reference interval
NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0

A fasting plasma glucose level below 100 mg/di 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.
 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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CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AM	IBALA CITY - HARYA	NA	
Test Name		Value	Unit	Biological Reference interval
		LIPID PROFIL	E : BASIC	
CHOLESTEROL TOTA by CHOLESTEROL OX		296.07 <sup>H</sup>	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.
TRIGLYCERIDES: SER by GLYCEROL PHOSP	UM HATE OXIDASE (ENZYMATIC)	385.07 <sup>H</sup>	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROL (I by SELECTIVE INHIBITI		43.34	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL: S by CALCULATED, SPE		175.72 <sup>H</sup>	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159.0 HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
NON HDL CHOLESTE by CALCULATED, SPE		252.73 <sup>H</sup>	mg/dL	OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 - 189.0 HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTEROL:		77.01 <sup>H</sup>	mg/dL	0.00 - 45.00
by CALCULATED, SPE TOTAL LIPIDS: SERUI by CALCULATED, SPE	M	977.21 <sup>H</sup>	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL F by CALCULATED, SPE	RATIO: SERUM	6.83 <sup>H</sup>	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0
LDL/HDL RATIO: SER by calculated, spe		4.05 <sup>H</sup>	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0

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<b>CLIENT ADDRESS</b>	: NASIRPUR, HISSAR ROAD, AMBALA CITY -	HARYANA	
Test Name	Value	Unit	Biological Reference interval

		0	
TRIGLYCERIDES/HDL RATIO: SERUM	8.88 <sup>H</sup>	RATIO	3.00 - 5.00
by CALCULATED, SPECTROPHOTOMETRY			

## 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.

3. Low 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. 4. 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	: NASIRPUR, HISSAR ROAD, AMB.	ALA CITY - HA	ARYANA	
Test Name		Value	Unit	Biological Reference interval
	LIVE	R FUNCTIO	N TEST (COMPLETE)	
BILIRUBIN TOTAL: SE by diazotization, spl		0.62	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
BILIRUBIN DIRECT (CO by DIAZO MODIFIED, SH	ONJUGATED): SERUM	0.09	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT	(UNCONJUGATED): SERUM	0.53	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYR	RIDOXAL PHOSPHATE	33.21	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PYR		36.02	KR U/L	0.00 - 49.00
AST/ALT RATIO: SERL	IM	0.92	RATIO	0.00 - 46.00
ALKALINE PHOSPHAT		73.24	U/L	40.0 - 130.0
	TRANSFERASE (GGT): SERUM	20.47	U/L	0.00 - 55.0
TOTAL PROTEINS: SEP	RUM	7.46	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by bromocresol gr		4.62	gm/dL	3.50 - 5.50
GLOBULIN: SERUM		2.84	gm/dL	2.30 - 3.50
A : G RATIO: SERUM by CALCULATED, SPEC	CTROPHOTOMETRY	1.63	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 CARCINOMA & CHRONIC HEPATITIS		> 1.3 (Slightly Increased)	

**DECREASED:** 

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).

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	Biological Reference interval	
	KI	ONEY FUNCTIO	N TEST (COMPLETE)		
UREA: SERUM		16.48	mg/dL	10.00 - 50.00	
-	NATE DEHYDROGENASE (GLDH)		°,		
CREATININE: SERUN by ENZYMATIC, SPEC		0.76	mg/dL	0.40 - 1.20	
	)GEN (BUN): SERUM	7.7	mg/dL	7.0 - 25.0	
by CALCULATED, SPE	ECTROPHOTOMETRY				
	OGEN (BUN)/CREATININE	10.13	RATIO	10.0 - 20.0	
RATIO: SERUM	ECTROPHOTOMETRY				
UREA/CREATININE I		21.68	RATIO		
	ECTROPHOTOMETRY				
URIC ACID: SERUM		4.75	mg/dL	2.50 - 6.80	
by URICASE - OXIDAS CALCIUM: SERUM	SE PEROXIDASE	9.46	mg/dL	8.50 - 10.60	
	ECTROPHOTOMETRY	7.40	ilig/ dE	0.30 - 10.00	
PHOSPHOROUS: SEF		3.07	mg/dL	2.30 - 4.70	
	DATE, SPECTROPHOTOMETRY				
ELECTROLYTES				105.0 150.0	
SODIUM: SERUM by ISE (ION SELECTIV	/F FLECTRODE)	140.6	mmol/L	135.0 - 150.0	
POTASSIUM: SERUM		4.7	mmol/L	3.50 - 5.00	
by ISE (ION SELECTIV					
CHLORIDE: SERUM		105.45	mmol/L	90.0 - 110.0	
by ISE (ION SELECTIV ESTIMATED GLOME	RULAR FILTERATION RATE				
	RULAR FILTERATION RATE	103.4			
(eGFR): SERUM	RULAR FILTERATION RATE	103.4			
by CALCULATED					
INTERPRETATION:	and and and a set of the set of the				
	veen 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.

2. Catabolic states with increased tissue breakdown.



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NAME	: Mrs. PRISHA			
AGE/ GENDER	: 37 YRS/FEMALE	PATIEN	T ID	: 1556420
COLLECTED BY	:	REG. NO	./LAB NO.	: 122407220003
<b>REFERRED BY</b>	:	REGIST	RATION DATE	: 22/Jul/2024 08:36 AM
BARCODE NO.	: 12503718	COLLEC	FION DATE	: 22/Jul/2024 01:30PM
CLIENT CODE.	: P.K.R JAIN HEALTHCARE INSTITUT	TE <b>REPOR</b> T	TING DATE	: 22/Jul/2024 12:01PM
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMBALA	A CITY - HARYANA		
Test Name		Value	Unit	Biological Reference interval
<ol> <li>GI haemorrhage.</li> <li>High protein intake</li> </ol>				
5. Impaired renal fur	•	lag infaction Clab	oding thurstovic	cosis, Cushing's syndrome, high protein diet,
burns, surgery, cache	•	(e.g. infection, di ble	eunig, invioloxit	cosis, cushing s syndrome, nigh protein diet,
	n (e.g. ureter colostomy)			
	nass (subnormal creatinine production)			
	tetracycline, glucocorticoids)	_		
	20:1) WITH ELEVATED CREATININE LEVEL		-   4	- + 1 2
	a (BUN rises disproportionately more th	nan creatinine) (e.g.	obstructive uropa	atny).
	superimposed on renal disease. 10:1) WITH DECREASED BUN :			
1. Acute tubular necr				
2 Low protein diet a				

2. Low protein diet and starvation.

3. Severe liver disease.

4. Other causes of decreased urea synthesis.

5. Repeated dialysis (urea rather than creatinine diffuses out of extracellular fluid).

- 6. Inherited hyperammonemias (urea is virtually absent in blood).
- 7. SIADH (syndrome of inappropiate antidiuretic harmone) due to tubular secretion of urea.
- 8. Pregnancy.

#### DECREASED RATIO (<10:1) WITH INCREASED CREATININE:

1. Phenacimide therapy (accelerates conversion of creatine to creatinine).

2. Rhabdomyolysis (releases muscle creatinine).

3. Muscular patients who develop renal failure.

### **INAPPROPIATE RATIO:**

1. Diabetic ketoacidosis (acetoacetate causes false increase in creatinine with certain methodologies, resulting in normal ratio when dehydration should produce an increased BUN/creatinine ratio).

2. Cephalosporin therapy (interferes with creatinine measurement).

CKD STAGE	DESCRIPTION	GFR ( mL/min/1.73m2 )	ASSOCIATED FINDINGS
G1	Normal kidney function	>90	No proteinuria
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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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

3. 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 eGFR with Cystatin C for confirmation of CKD

4. eGFR category G1 OR G2 does not fullfill 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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<b>BARCODE NO.</b> : 12503718	COLL	ECTION DATE	22/Jul/2024 01:30PM
CLIENT CODE. : P.K.R JAIN HEALTHCARE INS	STITUTE <b>REPO</b>	RTING DATE	22/Jul/2024 05:03PM
<b>CLIENT ADDRESS</b> : NASIRPUR, HISSAR ROAD, A	MBALA CITY - HARYANA	A	
Test News		11	Distantia I Dafamana internal
Test Name	Value	Unit	Biological Reference interval
	IRON PRO	FILE	
IRON: SERUM by Ferrozine, spectrophotometry	65.79	μg/dL	37.0 - 145.0
UNSATURATED IRON BINDING CAPACITY (UIBC) SERUM by FERROZINE, SPECTROPHOTOMETERY	156.53	μg/dL	150.0 - 336.0
TOTAL IRON BINDING CAPACITY (TIBC) SERUM by SPECTROPHOTOMETERY	222.32 <sup>L</sup>	μg/dL	230 - 430
%TRANSFERRIN SATURATION: SERUM	29.59	%	15.0 - 50.0

TRANSFERRIN: SERUM by SPECTROPHOTOMETERY (FERENE)

by CALCULATED, SPECTROPHOTOMETERY (FERENE)

INTERPRETATION:-

VARIABLES	ANEMIA OF CHRONIC DISEASE	IRON DEFICIENCY ANEMIA	THALASSEMIA α/β TRAIT
SERUM IRON:	Normal to Reduced	Reduced	Normal
TOTAL IRON BINDING CAPACITY:	Decreased	Increased	Normal
% TRANSFERRIN SATURATION:	Decreased	Decreased < 12-15 %	Normal
SERUM FERRITIN:	Normal to Increased	Decreased	Normal or Increased
IDON			

157.85<sup>L</sup>

IRON:

1.Serum iron studies is recommended for differential diagnosis of microcytic hypochromic anemia.i.e iron deficiency anemia, zinc deficiency anemia, anemia of chronic disease and thalassemia syndromes.

mg/dL

200.0 - 350.0

2. It is essential to isolate iron deficiency anemia from Beta thalassemia syndromes because during iron replacement which is therapeutic for iron deficiency anemia, is severely contra-indicated in Thalassemia.

TOTAL IRON BÍNDING CAPACITY (TÍBC):

1.It is a direct measure of protein transferrin which transports iron from the gut to storage sites in the bone marrow.

## % TRANSFERRIN SATURATION:

1.Occurs in idiopathic hemochromatosis and transfusional hemosiderosis where no unsaturated iron binding capacity is available for iron mobilization. Similar condition is seen in congenital deficiency of transferrin.



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CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AM	IBALA CITY - HARYAN	NA	
Test Name		Value	Unit	Biological Reference interval
		ENDOCRIN	OLOGY	
	т	HYROID FUNCTIO	N TEST: TOTAL	
TRIIODOTHYRONINE	E (T3): SERUM IESCENT MICROPARTICLE IMMUNOAS	0.386 SAY)	ng/mL	0.35 - 1.93
THYROXINE (T4): SE by CMIA (CHEMILUMI IMMUNOASSAY)	RUM NESCENT MICROPARTICLE	1.38 <sup>L</sup>	µgm/dL	4.87 - 12.60
THYROID STIMULAT	ING HORMONE (TSH): SERUM	>100.0 <sup>H</sup>	µlU/mL	0.35 - 5.50
3rd GENERATION, ULT	RASENSITIVE			

#### **INTERPRETATION**:

TSH levels are subject to circadian 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 concentrations.TSH stimulates the production and secretion of the metabolically active hormones, thyroxine (T4) and trilodothyronine (T3). Failure at any level of regulation of the hypothalamic-pituitary-thyroid axis will result in either underproduction (hypothyroidism) or overproduction(hyperthyroidism) of T4 and/or T3.

CLINICAL CONDITION	T3	T4	TSH
Primary Hypothyroidism:	Reduced	Reduced	Increased (Significantly)
Subclinical Hypothyroidism:	Normal or Low Normal	Normal or Low Normal	High
Primary Hyperthyroidism:	Increased	Increased	Reduced (at times undetectable)
Subclinical Hyperthyroidism:	Normal or High Normal	Normal or High Normal	Reduced

#### I IMITATIONS-

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.

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 (eg: phenytoin , salicylates).

3. Serum T4 levles 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 hypothroidism, pregnancy, phenytoin therapy.

TRIIODOTHY	RONINE (T3)	THYROXINE (T4)		THYROID STIMULATING HORMONE (TSH)		
Age	Refferance Range (ng/mL)	Age Refferance Range ( µg/dL)		Age	Reference Range ( μIU/mL)	

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





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Test Name			Value	Unit		Biologi	cal Reference interva
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		
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		
	RECO	DMMENDATIONS OF TSH LI	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, idonie 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 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.

8. Pregnancy: 1st and 2nd Trimester



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CLIENT CODE.	: P.K.R JAIN HEALTHCAR	E INSTITUTE <b>REP</b> (	ORTING DATE	: 22/Jul/2024 04:15PM	
CLIENT ADDRESS	: NASIRPUR, HISSAR ROA	D, AMBALA CITY - HARYAN	IA		
Test Name		Value	Unit	Biological Reference interval	
		VITAMI	NS		
		VITAMIN D/25 HYDRO			
				DEFICIENCY: < 20.0	
	ROXY VITAMIN D3): SERUI vescence immunoassay)	/I 18.9 <sup>L</sup>	ng/mL	INSUFFICIENCY: < 20.0 - 30.0	
				SUFFICIENCY: 30.0 - 100.0	
				TOXICITY: > 100.0	
INTERPRETATION:		0.2			
		< 20	, i i i i i i i i i i i i i i i i i i i	g/mL	
	FICIENT: ED RANGE:	30 - 100		g/mLg/mL	
	CATION:	> 100		g/mL	
tissue and tightly bou 3.Vitamin D plays a p phosphate reabsorpt 4.Severe deficiency n <b>DECREASED:</b> 1.Lack of sunshine ex 2.Inadeguate intake,	und by a transport protein v rimary role in the maintena ion, skeletal calcium deposinay lead to failure to minera posure. malabsorption (celiac disea Vitamin D 25- hydroxylase inced Liver disease	vhile in circulation. Ince of calcium homeostatis tion, calcium mobilization, alize newly formed osteoid ase) activity	s. It promotes calciun mainly regulated by p	port form of Vitamin D, being stored in adipo n absorption, renal calcium absorption and parathyroid harmone (PTH). ickets in children and osteomalacia in adults.	
6.Enzyme Inducing di INCREASED: 1. Hypervitaminosis I severe hypercalcemia CAUTION: Replaceme hypervitaminosis D	rugs: anti-epileptic drugs lik D is Rare, and is seen only al a and hyperphophatemia. ent therapy in deficient indiv	ter prolonged exposure to e	and carbamazepine, extremely high doses by periodic assessmen	that increases Vitamin D metabolism. of Vitamin D. When it occurs, it can result in it of Vitamin D levels in order to prevent <i>iency due to excess of melanin pigment which</i>	



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



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BARCODE NO.       : 12503718       COLLECTION DATE       : 22/Jul/2024 01:30PM         CLIENT CODE.       : P.K.R JAIN HEALTHCARE INSTITUTE       REPORTING DATE       : 22/Jul/2024 04:15PM         CLIENT ADDRESS       : NASIRPUR, HISSAR ROAD, AMBALA CITY - HARYANA       Biological Reference interval         Test Name       Value       Unit       Biological Reference interval         VITAMIN B12/COBALAMIN: SERUM by CMIA (CHEMILUMINESCENT MICROPARTICLE MMUNOASSAY)       170.8 <sup>L</sup> pg/mL       200.0 - 1100.0         NTERPRETATION:-       INCREASED VITAMIN B12       1.Pregnancy       2         1.Ingestion of Vitamin C       1.Pregnancy       2       2         2.Ingestion of Vitamin A       3.Ethanol Igestion       3       4         4.Hepatocellular injury       4. Contraceptive Harmones       5       5         5.Myeloproliferative disorder       5.Haemodialysis       6       6	COLLECTED BY	:		<b>REG. NO./LAB NO.</b>	: 122407220003		
BARCODE NO.       : 12503718       COLLECTION DATE       : 22/Jul/2024 01:30PM         CLIENT CODE.       : P.K.R JAIN HEALTHCARE INSTITUTE       REPORTING DATE       : 22/Jul/2024 04:15PM         CLIENT ADDRESS       : NASIRPUR, HISSAR ROAD, AMBALA CITY - HARYANA       Biological Reference interval         Fest Name       Value       Unit       Biological Reference interval         VITAMIN B12/COBALAMIN: SERUM by CMIA (CHEMILUMINESCENT MICROPARTICLE MMUNOASSAY)       170.8L       pg/mL       200.0 - 1100.0         NTERPRETATION:-       INCREASED VITAMIN B12       1.Pregnancy       2         1.Ingestion of Vitamin C       1.Pregnancy       2       2         2.Ingestion of Vitamin A       3.Ethanol Igestion       3       4         4.Hepatocellular injury       4. Contraceptive Harmones       5       5         5.Myeloproliferative disorder       5. Haemodialysis       6       6	REFERRED BY	•		REGISTRATION DATE	: 22/Jul/2024 08:36 AM		
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CLIENT ADDRESS       : NASIRPUR, HISSAR ROAD, AMBALA CITY - HARYANA         Fest Name       Value       Unit       Biological Reference interval         VITAMIN B12/COBALAMIN: SERUM by CMIA (CHEMILUMINESCENT MICROPARTICLE MMUNOASSAY) NTERPRETATION:-       170.8 <sup>L</sup> pg/mL       200.0 - 1100.0         NETERPRETATION:- 1.Ingestion of Vitamin C       1.Pregnancy       200.0 - 1100.0         2.Ingestion of Estrogen       2.DRUGS: Aspirin, Anti-convulsants, Colchicine       3. Isthanol Igestion         3.Ingestion of Vitamin A       3.Ethanol Igestion       4. Contraceptive Harmones       4. S.Myeloproliferative disorder       5.Haemodialysis         6. Uremia       6. Multiple Myeloma       4.       Multiple Myeloma			INCTITUTE				
Test Name       Value       Unit       Biological Reference interval         VITAMIN B12/COBALAMIN         //TAMIN B12/COBALAMIN: SERUM       170.8 <sup>L</sup> pg/mL       200.0 - 1100.0         by CMIA (CHEMILUMINESCENT MICROPARTICLE MMUNOASSAY)       170.8 <sup>L</sup> pg/mL       200.0 - 1100.0         NTERPRETATION:-       INCREASED VITAMIN B12       1.0       100.0         1.Ingestion of Vitamin C       1.Pregnancy       2.0       2.0         2.Ingestion of Estrogen       2.DRUGS:Aspirin, Anti-convulsants, Colchicine       3.0         3.Ingestion of Vitamin A       3.Ethanol Igestion       4.         4.Hepatocellular injury       4. Contraceptive Harmones       5.         5.Myeloproliferative disorder       5.Haemodialysis       6. Multiple Myeloma							
VITAMIN B12/COBALAMIN: SERUM       170.8 <sup>L</sup> pg/mL       200.0 - 1100.0         by CMA (CHEMILUMINESCENT MICROPARTICLE MINUNOASSAY)       170.8 <sup>L</sup> pg/mL       200.0 - 1100.0         INCREASED VITAMIN B12       1.0       1.0       1.0       1.0         1.Ingestion of Vitamin C       1.0       1.0       1.0       1.0         2.Ingestion of Estrogen       2.0       2.0       1.0       1.0         3.Ingestion of Vitamin A       3.0       3.0       1.0       1.0         4.Hepatocellular injury       4. Contraceptive Harmones       5.0       5.0       5.0       5.0       1.0       1.0         6.Uremia       6. Multiple Myeloma       1.0       1.0       1.0       1.0       1.0	LIENI ADDRESS	: NASIRPUR, HISSAR ROAD	, AMBALA UTTY - H	IAKIANA			
VITAMIN B12/COBALAMIN: SERUM by CMIA (CHEMILUMINESCENT MICROPARTICLE MMUNOASSAY)170.8Lpg/mL200.0 - 1100.0NTERPRETATION:-INCREASED VITAMIN B121.Ingestion of Vitamin C1.Pregnancy2.Ingestion of Estrogen2.DRUGS:Aspirin, Anti-convulsants, Colchicine3.Ingestion of Vitamin A3.Ethanol Igestion4.Hepatocellular injury4. Contraceptive Harmones5.Myeloproliferative disorder5.Haemodialysis6.Uremia6. Multiple Myeloma	Test Name		Value	Unit	Biological Reference int	erval	
VITAMIN B12/COBALAMIN: SERUM by CMIA (CHEMILUMINESCENT MICROPARTICLE MMUNOASSAY)170.8Lpg/mL200.0 - 1100.0NTERPRETATION:-INCREASED VITAMIN B121.Ingestion of Vitamin C1.Pregnancy2.Ingestion of Estrogen2.DRUGS:Aspirin, Anti-convulsants, Colchicine3.Ingestion of Vitamin A3.Ethanol Igestion4.Hepatocellular injury4. Contraceptive Harmones5.Myeloproliferative disorder5.Haemodialysis6.Uremia6. Multiple Myeloma			VITAMIN	B12/COBALAMIN			
by CMIA (CHEMILUMINESCENT MICROPARTICLE MMUNOASSAY) <u>NTERPRETATION:-</u> INCREASED VITAMIN B12 1.Ingestion of Vitamin C 2.Ingestion of Estrogen 3.Ingestion of Vitamin A 4.Hepatocellular injury 5.Myeloproliferative disorder 6.Uremia DECREASED VITAMIN B12 1.Pregnancy 2.DRUGS:Aspirin, Anti-convulsants, Colchicine 3.Ethanol Igestion 4. Contraceptive Harmones 5.Myeloproliferative disorder 6. Multiple Myeloma					200.0 1100.0		
MMUNOASSAY)INTERPRETATION:-INCREASED VITAMIN B12Ingestion of Vitamin C1.Ingestion of Vitamin C2.Ingestion of Estrogen3.Ingestion of Vitamin A3.Ethanol Igestion4.Hepatocellular injury5.Myeloproliferative disorder6.Uremia			170.8	pg/mL	200.0 - 1100.0		
INCREASED VITAMIN B12DECREASED VITAMIN B121.Ingestion of Vitamin C1.Pregnancy2.Ingestion of Estrogen2.DRUGS:Aspirin, Anti-convulsants, Colchicine3.Ingestion of Vitamin A3.Ethanol Igestion4.Hepatocellular injury4. Contraceptive Harmones5.Myeloproliferative disorder5.Haemodialysis6.Uremia6. Multiple Myeloma	IMMUNOAŠSAY)						
1.Ingestion of Vitamin C1.Pregnancy2.Ingestion of Estrogen2.DRUGS:Aspirin, Anti-convulsants, Colchicine3.Ingestion of Vitamin A3.Ethanol Igestion4.Hepatocellular injury4. Contraceptive Harmones5.Myeloproliferative disorder5.Haemodialysis6.Uremia6. Multiple Myeloma		SED VITAMIN B12			I B12		
2.Ingestion of Estrogen2.DRUGS:Aspirin, Anti-convulsants, Colchicine3.Ingestion of Vitamin A3.Ethanol Igestion4.Hepatocellular injury4. Contraceptive Harmones5.Myeloproliferative disorder5.Haemodialysis6.Uremia6. Multiple Myeloma			1.Preg				
3.Ingestion of Vitamin A3.Ethanol Igestion4.Hepatocellular injury4. Contraceptive Harmones5.Myeloproliferative disorder5.Haemodialysis6.Uremia6. Multiple Myeloma							
5.Myeloproliferative disorder     5.Haemodialysis       6.Uremia     6. Multiple Myeloma	3.Ingestion of Vitan	nin A					
6. Uremia 6. Multiple Myeloma	4.Hepatocellular in	jury	9				
	5.Myeloproliferativ	e disorder	5.Haemodialysis				
		b.Uremia 6. Multiple Myeloma					
2. In humans, it is obtained only from animal proteins and requires intrinsic factor (IF) for absorption.		Itamin B12 stores very econor	mically, reabsorbin	g vitamin B12 from the ileun	h and returning it to the liver; very lit	ile is	
3. The body uses its vitamin B12 stores very economically, reabsorbing vitamin B12 from the ileum and returning it to the liver; very little is		ency may be due to lack of IEs	secretion by dastric	mucosa (en dastrectomy d	astric atrophy) or intestinal malabsor	ntion	
B. The body uses its vitamin B12 stores very economically, reabsorbing vitamin B12 from the ileum and returning it to the liver; very little is excreted.			seel etteri by gustine	i maeosa (eg, gastreetomy, g		ption	
3. The body uses its vitamin B12 stores very economically, reabsorbing vitamin B12 from the ileum and returning it to the liver; very little is			cytic anemia, gloss	sitis, peripheral neuropathy.	weakness, hyperreflexia, ataxia, loss	of	

5.Vitamin B12 deficiency frequently causes macrocytic anemia, glossitis, peripheral neuropathy, weakness, hyperreflexia, ataxia, loss of proprioception, poor coordination, and affective behavioral changes. These manifestations may occur in any combination; many patients have the neurologic defects without macrocytic anemia.

6.Serum methylmalonic acid and homocysteine levels are also elevated in vitamin B12 deficiency states.

7.Follow-up testing for antibodies to intrinsic factor (IF) is recommended to identify this potential cause of vitamin B12 malabsorption. **NOTE:**A normal serum concentration of vitamin B12 does not rule out tissue deficiency of vitamin B12. The most sensitive test for vitamin B12 deficiency at the cellular level is the assay for MMA. If clinical symptoms suggest deficiency, measurement of MMA and homocysteine should be considered, even if serum vitamin B12 concentrations are normal.



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT

# **PKR JAIN HEALTHCARE INSTITUTE** NASIRPUR, Hissar Road, AMBALA CITY- (Haryana) A PIONEER DIAGNOSTIC CENTRE

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

NAME	: Mrs. PRISHA			
AGE/ GENDER	: 37 YRS/FEMALE	PATI	ENT ID	: 1556420
COLLECTED BY	:	REG. 1	NO./LAB NO.	: 122407220003
REFERRED BY	:	REGIS	STRATION DATE	: 22/Jul/2024 08:36 AM
BARCODE NO.	: 12503718		ECTION DATE	: 22/Jul/2024 01:30PM
CLIENT CODE.	: P.K.R JAIN HEALTHCARE INST		RTING DATE	: 22/Jul/2024 01:16PM
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AM			. 22/ Jul/ 2024 01.101 W
CLIENT ADDRESS	. NASIM UR, HISSAR ROAD, AM	IDALA CITT - HARTANA	1	
Test Name		Value	Unit	Biological Reference interval
		CLINICAL PATH	HOLOGY	
	URINE RC	DUTINE & MICROSO	OPIC EXAMINAT	ΓΙΟΝ
PHYSICAL EXAMINA	TION			
QUANTITY RECIEVED	C	20	ml	
	TANCE SPECTROPHOTOMETRY			
COLOUR		PALE YELLOW		PALE YELLOW
by DIP STICK/REFLEC TRANSPARANCY	TANCE SPECTROPHOTOMETRY	CLEAR		CLEAR
	TANCE SPECTROPHOTOMETRY	ULEAR		CLEAR
SPECIFIC GRAVITY		1.01 PKF		1.002 - 1.030
	TANCE SPECTROPHOTOMETRY	1.01		1.002 1.000
CHEMICAL EXAMINA	ATION			
REACTION		ACIDIC		
	TANCE SPECTROPHOTOMETRY			
PROTEIN		NEGATIVE (-ve)		NEGATIVE (-ve)
	TANCE SPECTROPHOTOMETRY			
SUGAR		NEGATIVE (-ve)		NEGATIVE (-ve)
	TANCE SPECTROPHOTOMETRY			
pH	TANCE SPECTROPHOTOMETRY	6.5		5.0 - 7.5
BILIRUBIN		NEGATIVE (-ve)		NEGATIVE (-ve)
	TANCE SPECTROPHOTOMETRY			
NITRITE		NEGATIVE (-ve)		NEGATIVE (-ve)
	TANCE SPECTROPHOTOMETRY.			
UROBILINOGEN		NOT DETECTED	EU/dL	0.2 - 1.0
-	TANCE SPECTROPHOTOMETRY			
KETONE BODIES	TANCE SPECTROPHOTOMETRY	NEGATIVE (-ve)		NEGATIVE (-ve)
BLOOD		NEGATIVE (-ve)		NEGATIVE (-ve)
	TANCE SPECTROPHOTOMETRY			
ASCORBIC ACID		NEGATIVE (-ve)		NEGATIVE (-ve)
-	TANCE SPECTROPHOTOMETRY			
MICROSCOPIC EXAN	<u>/IINATION</u>			

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DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST

**NOT VALID FOR MEDICO LEGAL PURPOSE** 



A PIONEER DIAGNOSTIC CENTRE

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

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Test Name		Value	Unit	Biological Reference interval
RED BLOOD CELLS (F	RBCs) CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)	/HPF	0 - 3
PUS CELLS	CENTRIFUGED URINARY SEDIMENT	3-5	/HPF	0 - 5
EPITHELIAL CELLS	CENTRIFUGED URINARY SEDIMENT	2-3	/HPF	ABSENT
CRYSTALS	CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
CASTS	CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
BACTERIA by MICROSCOPY ON (	CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
OTHERS by MICROSCOPY ON (	CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
TRICHOMONAS VAG	SINALIS (PROTOZOA)	ABSENT		ABSENT

TRICHOMONAS VAGINALIS (PROTOZOA) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

\*\*\* End Of Report





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