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

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

NAME	: Baby. VERONICA				
AGE/ GENDER	: 11 YRS/FEMALE		PATIENT ID	: 1573272	
COLLECTED BY	:	<b>REG. NO./LAB NO.</b>		: 122412040020	
REFERRED BY	:	<b>REGISTRATION DATE</b>		: 04/Dec/2024 03:23 PM	
BARCODE NO.	: 12505997	COLLECTION DATETEREPORTING DATE		: 04/Dec/2024 03:25PM : 04/Dec/2024 04:16PM	
CLIENT CODE.	: P.K.R JAIN HEALTHCARE INSTITU				
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMBAL	A CITY - HA	ARYANA		
Test Name		Value	Unit	Biological Reference interval	
		НАЕМ	IATOLOGY		
	СОМР	LETE BI	LOOD COUNT (CBC)		
RED BLOOD CELLS	(RBCS) COUNT AND INDICES				
HAEMOGLOBIN (HI by calorimetric	3)	11.6 <sup>L</sup>	gm/dL	12.0 - 16.0	
RED BLOOD CELL (I by hydro dynamic fo	RBC) COUNT DCUSING, ELECTRICAL IMPEDENCE	4.36	Millions/	cmm 3.50 - 5.50	
PACKED CELL VOLU	JME (PCV) utomated hematology analyzer	33.8 <sup>L</sup>	%	35.0 - 49.0	
MEAN CORPUSCULA	AR VOLUME (MCV) UTOMATED HEMATOLOGY ANALYZER	77.6 <sup>L</sup>	KR fL	80.0 - 100.0	
MEAN CORPUSCUL	AR HAEMOGLOBIN (MCH) UTOMATED HEMATOLOGY ANALYZER	26.5 <sup>L</sup>	pg	27.0 - 34.0	
	AR HEMOGLOBIN CONC. (MCHC)	34.2	g/dL	32.0 - 36.0	
	JTION WIDTH (RDW-CV)	12.5	%	11.00 - 16.00	
	JTION WIDTH (RDW-SD) UTOMATED HEMATOLOGY ANALYZER	36.4	fL	35.0 - 56.0	
MENTZERS INDEX by CALCULATED		17.8	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA:	
GREEN & KING IND by calculated	EX	22.16	RATIO	>13.0 BETA THALASSEMIA TRAIT:< 65.0 IRON DEFICIENCY ANEMIA: > 65.0	
WHITE BLOOD CEI	LS (WBCS)				
TOTAL LEUCOCYTE by FLOW CYTOMETRY	COUNT (TLC) by sf cube & microscopy	8850	/cmm	4000 - 12000	
DIFFERENTIAL LE	<u>UCOCYTE COUNT (DLC)</u>				
NEUTROPHILS by flow cytometry	BY SF CUBE & MICROSCOPY	48 <sup>L</sup>	%	50 - 70	
LYMPHOCYTES		40	%	20 - 45	

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DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST

440 Dated 17.5.2012 u/s 80 G OF INCOME TAX ACT. PAN NO. AAAAP1600. **REPORT ATTRACTS THE CONDITIONS PRINTED OVERLEAF (P.T.O.)** 



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CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMBA	ALA CITY - HA	ARYANA	
Test Name		Value	Unit	Biological Reference interval
	Y BY SF CUBE & MICROSCOPY			
EOSINOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY		8 <sup>H</sup>	%	1 - 6
MONOCYTES	T BT SF COBE & MICROSCOFT	4	%	3 - 12
	Y BY SF CUBE & MICROSCOPY	-		
BASOPHILS		0	%	0 - 1
	Y BY SF CUBE & MICROSCOPY CYTES (WBC) COUNT			
ABSOLUTE NEUTR		4248	/cmm	2000 - 7500
by FLOW CYTOMETR	Y BY SF CUBE & MICROSCOPY			
ABSOLUTE LYMPH	OCYTE COUNT Y BY SF CUBE & MICROSCOPY	3540 <sup>L</sup>	/cmm	800 - 4900
ABSOLUTE EOSINO		708 <sup>H</sup>	/cmm	40 - 440
by FLOW CYTOMETR	Y BY SF CUBE & MICROSCOPY			
ABSOLUTE MONOC		354	/cmm	80 - 880
ABSOLUTE BASOP	Y BY SF CUBE & MICROSCOPY HIL COUNT	0	/cmm	0 - 110
	Y BY SF CUBE & MICROSCOPY	Ŭ	/ chim	0 110
<u>PLATELETS AND (</u>	<b>OTHER PLATELET PREDICTIVE</b>	MARKERS.		
PLATELET COUNT by HYDRO DYNAMIC F	(PLT) FOCUSING, ELECTRICAL IMPEDENCE	283000	/cmm	150000 - 450000
PLATELETCRIT (PC		0.27	%	0.10 - 0.36
MEAN PLATELET V	FOCUSING, ELECTRICAL IMPEDENCE	10	fL	6.50 - 12.0
by HYDRO DYNAMIC F	OCUSING, ELECTRICAL IMPEDENCE	10		
	CELL COUNT (P-LCC) FOCUSING, ELECTRICAL IMPEDENCE	70000	/cmm	30000 - 90000
PLATELET LARGE by HYDRO DYNAMIC F	CELL RATIO (P-LCR) FOCUSING, ELECTRICAL IMPEDENCE	24.7	%	11.0 - 45.0
PLATELET DISTRII by hydro dynamic f	BUTION WIDTH (PDW) FOCUSING, ELECTRICAL IMPEDENCE	16.2	%	15.0 - 17.0
NOTE: TEST CONDU	ICTED ON EDTA WHOLE BLOOD			



NAME

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<b>ELIENT CODE.</b> : P.K.R JAIN HEALTHCARE INSTITUTE		UTE <b>REI</b>	PORTING DATE	:04/Dec/202407:12PM	
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMBA	ALA CITY - HARYA	NA		
Test Name		Value	Unit	Biological Reference interval	
	CLINICAI	L CHEMISTR	Y/BIOCHEMIST	RY	
	CLINICAI	L CHEMISTR IRON PR		RY	
IRON: SERUM				<b>RY</b> 37.0 - 145.0	
by FERROZINE, SPEC		IRON PR	OFILE		
by FERROZINE, SPECUNSATURATED IR SERUM	CTROPHOTOMETRY	<b>IRON PR</b> 85.7	<b>OFILE</b> μg/dL	37.0 - 145.0	
by FERROZINE, SPEC UNSATURATED IR :SERUM by FERROZINE, SPEC TOTAL IRON BIND	CTROPHOTOMETRY CON BINDING CAPACITY (UIBC)	<b>IRON PR</b> 85.7	<b>OFILE</b> μg/dL	37.0 - 145.0	
by FERROZINE, SPEC UNSATURATED IR :SERUM by FERROZINE, SPEC TOTAL IRON BINE :SERUM	CTROPHOTOMETRY CON BINDING CAPACITY (UIBC) CTROPHOTOMETERY DING CAPACITY (TIBC)	<b>IRON PR</b> 85.7 195.55	<b>OFILE</b> μg/dL μg/dL	37.0 - 145.0 150.0 - 336.0	
by FERROZINE, SPEC UNSATURATED IR :SERUM by FERROZINE, SPEC TOTAL IRON BIND :SERUM by SPECTROPHOTON %TRANSFERRIN S	CTROPHOTOMETRY CON BINDING CAPACITY (UIBC) CTROPHOTOMETERY DING CAPACITY (TIBC)	<b>IRON PR</b> 85.7 195.55	<b>OFILE</b> μg/dL μg/dL	37.0 - 145.0 150.0 - 336.0	

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				

## 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.

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 CODE.	: P.K.R JAIN HEALTHCARE IN	STITUTE <b>REP</b> O	DRTING DATE	:07/Dec/2024 10:41AM
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, A	MBALA CITY - HARYAN	A	
Test Name		Value	Unit	Biological Reference interval
		SPECIAL INVEST	FIGATIONS	
	INSULIN	GROWTH FACTOR	- 1/SOMATOME	EDIN-C
INSULIN GROWTH FACTOR (IGF) - 1		121	ng/mL	118.0 - 448.0
SOMATOMEDIN-C:	SERUM ESCENCE IMMUNOASSAY)			
INTERPRETATION:				
4.In addition, derange 5.The mechanism bel evels resulting from 6.Complete correction 7.In the type I, II diabe 8.In type I diabetes, Ii 9.At the same time, n 10.This reduction of I 11.Increased release 12.At the same time, f 13.In poorly controlle 14.In any kind of diab important factor to a INCREASED	s.c. administration of insulin. n of the GH–IGF- I axis only see etes, GH / IGF- I axis is abnorm iver resistant GH, leading the liv nore IGFBP-I are generated, IGFI GF- I cause the feedback of gro of GH will lead to high blood su the reduction of IGF- I also led t ed type II diabetes, there will be	ve been associated with GF- I axis in type 1 diab ms possible with portal al, GH increased, IGF- I rer IGF- I concentration BP-I can play a role in bin wth hormone's decrease igar by antagonizing the to j growth retardation of also a high release of G ontrol of blood sugar and	hyperfiltration and letes has been sugges administration of in reduced. s decreased. nding to and inhibit 10 e. function of insulin. of juvenile or young v H, antagonising the e	ited to be due to relatively low portal insulin isulin. GF- I .
1.gigantism 2.acromegaly				
3.pregnancy.				
	ficiencies			
3.pregnancy. DECREASED 1.growth hormone de 2.hypopituitarism. NOTE:	ficiencies in 5-10 % cases of acromegaly a	and 10-20 % cases of dv	varfism.	

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