



	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	obiology)	Dr. Yugam MD (CEO & Consultant	(Pathology)
JAME	: Baby. DEVASHRI			
GE/ GENDER	: 5 YRS/FEMALE	F	PATIENT ID	: 1704147
COLLECTED BY	:	F	REG. NO./LAB NO.	: 012412200024
REFERRED BY	:	F	REGISTRATION DATE	: 20/Dec/2024 11:34 AM
ARCODE NO.	: 01522720	(COLLECTION DATE	: 20/Dec/2024 11:36AM
LIENT CODE. LIENT ADDRESS	: KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, AMBA		REPORTING DATE	: 20/Dec/2024 11:57AM
LIENI ADDRESS	. 0349/ I, NICHOLSON KOAD, AMDA	ALA CANT I		
Fest Name		Value	Unit	Biological Reference interval
		HAEMA	TOLOGY	
	COMP	LETE BLO	OD COUNT (CBC)	
ED BLOOD CELLS	S (RBCS) COUNT AND INDICES			
AEMOGLOBIN (H	B)	13.8	gm/dL	12.0 - 16.0
by CALORIMETRIC ED BLOOD CELL (RBC) COUNT	5.09	Millions/	cmm 3.50 - 5.50
by HYDRO DYNAMIC F	OCUSING, ELECTRICAL IMPEDENCE			
ACKED CELL VOLU	JIVIE (PCV) UTOMATED HEMATOLOGY ANALYZER	41.6	%	35.0 - 49.0
	AR VOLUME (MCV) utomated hematology analyzer	81.7	fL	80.0 - 100.0
IEAN CORPUSCUL	AR HAEMOGLOBIN (MCH)	27.1	pg	27.0 - 34.0
IEAN CORPUSCUL	UTOMATED HEMATOLOGY ANALYZER AR HEMOGLOBIN CONC. (MCHC) UTOMATED HEMATOLOGY ANALYZER	33.2	g/dL	32.0 - 36.0
ED CELL DISTRIB	UTION WIDTH (RDW-CV)	15.7	%	11.00 - 16.00
	UTOMATED HEMATOLOGY ANALYZER UTION WIDTH (RDW-SD)	47.8	fL	35.0 - 56.0
by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER			
IENTZERS INDEX by CALCULATED		16.05	RATIO	BETA THALASSEMIA TRAIT: < 13.0
				IRON DEFICIENCY ANEMIA:
REEN & KING IND	DEX	25.19	RATIO	>13.0 BETA THALASSEMIA TRAIT:<=
by CALCULATED				65.0
				IRON DEFICIENCY ANEMIA: > 65.0
VHITE BLOOD CE	LLS (WBCS)			
OTAL LEUCOCYTE	E COUNT (TLC) / by sf cube & microscopy	14930	/cmm	5000 - 15000
UCLEATED RED B	BLOOD CELLS (nRBCS)	NIL		0.00 - 20.00
	RT HEMATOLOGY ANALYZER SLOOD CELLS (nRBCS) %	NIL	%	< 10 %
Ο Ο ΓΓΓΑΤΕΡΙΚΕΡΒ	UTOMATED HEMATOLOGY ANALYZER	INIL	/0	× 10 /0





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

KOS Central Lab:6349/1, Nicholson Road, Ambala Cantt -133 001, HaryanaKOS Molecular Lab:IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana0171-2643898, +91 99910 43898care@koshealthcare.comwww.koshealthcare.comwww.koshealthcare.com



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





Dr. Yugam Chopra

MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Baby. DEVASHRI **AGE/ GENDER** : 5 YRS/FEMALE **PATIENT ID** :1704147 **COLLECTED BY** :012412200024 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 20/Dec/2024 11:34 AM **BARCODE NO.** :01522720 **COLLECTION DATE** : 20/Dec/2024 11:36AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** : 20/Dec/2024 11:57AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval DIFFERENTIAL LEUCOCYTE COUNT (DLC) NEUTROPHILS** 72^H % 50 - 70 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES 19^L % 20 - 45 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 1 % 1 - 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES 8 % 3 - 12by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY BASOPHILS 0 % 0 - 1 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY **ABSOLUTE LEUKOCYTES (WBC) COUNT** ABSOLUTE NEUTROPHIL COUNT 2000 - 7500 10750^H /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 2837 800 - 4900 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 149/cmm 40 - 440 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT /cmm 80 - 880 1194^H by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE BASOPHIL COUNT 0 /cmm 0 - 110 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. PLATELET COUNT (PLT) 150000 - 450000 449000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELETCRIT (PCT) 0.45^H % 0.10 - 0.36 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) 10 fL 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 113000^H 30000 - 90000 PLATELET LARGE CELL COUNT (P-LCC) /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE % PLATELET LARGE CELL RATIO (P-LCR) 25.211.0 - 45.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) 15.0 - 17.0 15.9% by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

Dr. Vinay Chopra



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







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Test Name		Value Unit	Biological Reference interval



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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CLINICA	L CHEMIS	TRY/BIOCHEMIST	'RY
		BILIRUBI	IN COMPLETE	
BILIRUBIN TOTAL by DIAZOTIZATION, SI	: SERUM PECTROPHOTOMETRY	0.41	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	C (CONJUGATED): SERUM	0.12	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE	CT (UNCONJUGATED): SERUM	0.29	mg/dL	0.10 - 1.00





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

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		hopra & Microbiology) onsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
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		V-L	Unit	Biological Reference interval
Test Name		Value	СШС	biological licit chec hiter var
Test Name		SGOT/SGPT I		
SGOT/AST: SERUM	[/RIDOXAL PHOSPHATE			7.00 - 45.00
SGOT/AST: SERUM by IFCC, WITHOUT PY SGPT/ALT: SERUM	RIDOXAL PHOSPHATE	SGOT/SGPT I	PROFILE	

NOTE: To be correlated in individuals having SGOT and SGPT values higher than Normal Reference 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
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).

PROGNOSTIC SIGNIFICANCE:-

NORMAL	< 0.65
GOOD PROGNOSTIC SIGN	0.3 - 0.6
POOR PROGNOSTIC SIGN	1.2 - 1.6





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		Chopra gy & Microbiology) Consultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
VAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Baby. DEVASHRI : 5 YRS/FEMALE : : : 01522720 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROA	REGIST COLLE REPOR	NT ID O./LAB NO. FRATION DATE CTION DATE PTING DATE	: 1704147 : 012412200024 : 20/Dec/2024 11:34 AM : 20/Dec/2024 11:36AM : 20/Dec/2024 12:51PM
Test Name		Value	Unit	Biological Reference interval
<u>INTERPRETATION:</u> DEFI	CIENT:	< 20	n	SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0
	FICIENT:	21 - 29		g/mL
PREFFER	ED RANGE:	30 - 100 > 100	n	j/mL j/mL
conversion of 7- dihy 2.25-OHVitamin D r tissue and tightly boi 3.Vitamin D plays a p phosphate reabsorpt 4.Severe deficiency r DECREASED: 1.Lack of sunshine ex 2.Inadeguate intake, 3.Depressed Hepatic	vdrocholecalciferol to Vitamir epresents the main body rese und by a transport protein will primary role in the maintenar tion, skeletal calcium depositi nay lead to failure to mineral coosure. malabsorption (celiac diseas Vitamin D 25- hydroxylase ac need Liver disease	n D3 in the skin upon Ultravid evoir and transport form of V hile in circulation. noe of calcium homeostatis. I ion, calcium mobilization, ma ize newly formed osteoid in se) ctivity n (Mild to Moderate deficier	olet exposure. itamin D and trans t promotes calciun ainly regulated by p bone, resulting in r	lecalciferol (from animals, Vitamin D3), or by port form of Vitamin D, being stored in adipose n absorption, renal calcium absorption and parathyroid harmone (PTH). ickets in children and osteomalacia in adults. that increases Vitamin D metabolism.

KOS Diagnostic Lab (A Unit of KOS Healthcare)





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Page 6 of 7





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LIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT				
Cest Name		Value	Unit	Biological Reference interval		
<u>NTERPRETATION:-</u> INCREAS	IESCENT MICROPARTICLE IMMUNO		DECREASED VITAMII	N B12		
1.Ingestion of Vitan 2.Ingestion of Estro		1.Pregnand 2 DRUGS:A	2.DRUGS:Aspirin, Anti-convulsants, Colchicine			
3.Ingestion of Vitan	nin A	3.Ethanol I	3.Ethanol Igestion			
4.Hepatocellular in			4. Contraceptive Harmones			
5.Myeloproliferativ 6.Uremia	e disorder		5.Haemodialysis 6. Multiple Myeloma			
In humans, it is ob The body uses its v xcreted. Vitamin B12 deficie eal resection, small Vitamin B12 deficie roprioception, poor he neurologic defec: Serum methylmalo Follow-up testing f IOTE: A normal serur eficiency at the cell	ency may be due to lack of IF set intestinal diseases). ency frequently causes macrocy coordination, and affective bel ts without macrocytic anemia. nic acid and homocysteine leve or antibodies to intrinsic factor n concentration of vitamin B12	as and requires intrin cally, reabsorbing vit cretion by gastric mu- tic anemia, glossitis, navioral changes. The ls are also elevated ir (IF) is recommended does not rule out tiss If clinical symptoms	sic factor (IF) for absorp amin B12 from the ileur cosa (eg, gastrectomy, g peripheral neuropathy, ese manifestations may n vitamin B12 deficiency to identify this potentia ue deficiency of vitamin	n and returning it to the liver; very little is gastric atrophy) or intestinal malabsorption (eg weakness, hyperreflexia, ataxia, loss of occur in any combination; many patients have		
onsidered, even il s	erum vitamin BTZ concentration	is are normal.				



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