



KOS Diagnostic Lab (A Unit of KOS Healthcare)

	Dr. Vinay Choj MD (Pathology & M Chairman & Consul	licrobiology)	Dr. Yugam C MD (Pa CEO & Consultant Par	thology)
NAME	: Mrs. SHAMITA VERMA			
AGE/ GENDER	: 54 YRS/FEMALE	PATIH	ENT ID	: 1803878
COLLECTED BY	: SURJESH	REG. N	NO./LAB NO.	: 012503240055
REFERRED BY	:	REGIS	TRATION DATE	: 24/Mar/2025 01:19 PM
BARCODE NO.	: 01527683	COLLI	ECTION DATE	: 24/Mar/2025 01:40PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	: 24/Mar/2025 02:42PM
LIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		HAEMATO	LOGY	
	COM	IPLETE BLOOD	COUNT (CBC)	
RED BLOOD CEL	LS (RBCS) COUNT AND INDIC	CES		
IAEMOGLOBIN (H	B)	11.7 ^L	gm/dL	12.0 - 16.0
RED BLOOD CELL (RBC) COUNT by hydro dynamic focusing, electrical impedence PACKED CELL VOLUME (PCV) by calculated by automated hematology analyzer MEAN CORPUSCULAR VOLUME (MCV) by calculated by automated hematology analyzer		3.75	Millions/cm	am 3.50 - 5.00
		36 ^L	%	37.0 - 50.0
		96.2	fL	80.0 - 100.0
MEAN CORPUSCULAR HAEMOGLOBIN (MCH) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER		31.1	pg	27.0 - 34.0
MEAN CORPUSCU	LAR HEMOGLOBIN CONC. (MC UTOMATED HEMATOLOGY ANALYZER	CHC) 32.4	g/dL	32.0 - 36.0
RED CELL DISTRI	BUTION WIDTH (RDW-CV) UTOMATED HEMATOLOGY ANALYZER	14.1	%	11.00 - 16.00
	BUTION WIDTH (RDW-SD) UTOMATED HEMATOLOGY ANALYZER	50.6	fL	35.0 - 56.0
MENTZERS INDEX by CALCULATED		25.65	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA:
GREEN & KING IN by Calculated	DEX	36.06	RATIO	>13.0 BETA THALASSEMIA TRAIT: <= 65.0 IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD C	ELLS (WBCS)			05.0
OTAL LEUCOCY	TE COUNT (TLC) Y by sf cube & microscopy	3970 ^L	/cmm	4000 - 11000
JUCLEATED RED	BLOOD CELLS (nRBCS) RT HEMATOLOGY ANALYZER	NIL		0.00 - 20.00
NUCLEATED RED BLOOD CELLS (nRBCS) %		NIL	%	< 10 %





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Test Name		Value	Unit	Biological Reference interval		
•	AUTOMATED HEMATOLOGY ANALYZER					
<u>DIFFERENTIAL L</u>	<u>EUCOCYTE COUNT (DLC)</u>					
NEUTROPHILS		66	%	50 - 70		
•	Y BY SF CUBE & MICROSCOPY	24	0/	20 10		
LYMPHOCYTES	Y BY SF CUBE & MICROSCOPY	24	%	20 - 40		
EOSINOPHILS		1	%	1 - 6		
	Y BY SF CUBE & MICROSCOPY		70			
MONOCYTES		9	%	2 - 12		
	Y BY SF CUBE & MICROSCOPY	0				
BASOPHILS	Y BY SF CUBE & MICROSCOPY	0	%	0 - 1		
	COCYTES (WBC) COUNT					
		2620	1	2000 7500		
ABSOLUTE NEUTI	KOPHIL COUNT Y BY SF CUBE & MICROSCOPY	2620	/cmm	2000 - 7500		
ABSOLUTE LYMP		953	/cmm	800 - 4900		
	Y BY SF CUBE & MICROSCOPY					
ABSOLUTE EOSIN		40	/cmm	40 - 440		
	Y BY SF CUBE & MICROSCOPY	257		00 000		
ABSOLUTE MONC	CYTE COUNT Y BY SF CUBE & MICROSCOPY	357	/cmm	80 - 880		
	OTHER PLATELET PREDICTIV	E MARKERS.				
		242000	lamm	150000 - 450000		
PLATELET COUN' by HYDRO DYNAMIC I	FOCUSING, ELECTRICAL IMPEDENCE	242000	/cmm	130000 - 430000		
PLATELETCRIT (F		0.27	%	0.10 - 0.36		
	FOCUSING, ELECTRICAL IMPEDENCE					
MEAN PLATELET	· /	11	fL	6.50 - 12.0		
	FOCUSING, ELECTRICAL IMPEDENCE E CELL COUNT (P-LCC)	80000	/cmm	30000 - 90000		
	CELL COUNT (P-LCC) FOCUSING, ELECTRICAL IMPEDENCE	80000	/cmm	20000 - 20000		
	E CELL RATIO (P-LCR)	33	%	11.0 - 45.0		
by HYDRO DYNAMIC I	FOCUSING, ELECTRICAL IMPEDENCE			-		
	IBUTION WIDTH (PDW)	15.7	%	15.0 - 17.0		
	FOCUSING, ELECTRICAL IMPEDENCE					
NOTE: TEST CONDU	JCTED ON EDTA WHOLE BLOOD					

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_			
Test Name	Value	Unit	Biological Reference interval





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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REF	ORTING DATE	: 24/Mar/2025 03:05PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT			
Fest Name		Value	Unit	Biological Reference inter	rval
	CLINI	CAL CHEMISTR	Y/BIOCHEMIS	STRY	
		URIC A			
URIC ACID: SERUN	Л	2.55	mg/dL	2.50 - 6.80	
 B. Cytolytic treatment Polycythemai vera Psoriasis. Sickle cell anaemia B. DUE TO DECREASE Alcohol ingestion. P. Thiazide diuretics. Lactic acidosis. Aspirin ingestion (lidication contents) Diabetic ketoacido: Renal failure due to DECREASED:- A) DUE TO DIETARY E Dietary deficiency of 2. Fanconi syndrome Multiple sclerosis. 	urines (organ meats,legumes, c of malignancies especially le & myeloid metaplasia. etc. D EXCREATION (BY KIDNEYS) ess than 2 grams per day). sis or starvation. o any cause etc. DEFICIENCY of Zinc, Iron and molybdenum. & Wilsons disease.	ukemais & lymphomas.			
B). DUE TO INCREASE				ds and ACTH, anti-coagulants and estroge	ens e
T.DrugsProbenecia	, sulphinipyrazone, aspirin dos	ses (more than 4 grains p	er day), controstentor	us and ACTH, anti-coaguiants and estroye	

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Test Name		Value	Unit	Biological Reference interval	
			OGY/SEROLOG		
	ANTI CYCLIC CITRU RULLINATED PEPTIDE (CCP)		PTIDE CCP2 (HIG. AU/mL	HLY SENSITIVE) 0.00 - 5.00	
 Anti-CCP is of two Anti-CCP2 is HIGHI Anti-CCP2 predict Anti-CCP2 may be Rheumatoid Arthritis The positive predict Frequencies The disparatory of the dispar	from Polymyalgia Rheumatic & Ei tive value of Anti-CCP antibodies i atoid Arthritis also show Anti CCP ITIS: tis is a systemic autoimmune diso novium) joints which leads to pro s from small to large joints, with A is primarily based on clinical, ra	c (98%) than Anti-Co imatoid Arthritis (R ears before onset o rosive SLE. for Rheumatoid Art antibodies ease that is multi-f greasive joint desti greatest damage ir adiological & immu	CP1. A), when found in undiffe f clinical Rheumatoid Ar hritis is far greater than unctional in origin and is uction and in most case		





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		,,,,,,					
Test Name			Value	Unit		Biological Reference interval	
	RH	EUMATOID I	FACTOR ()	RA): QUANTITAT	TIVE - SERUN	м	
RHEUMATOID (RA)	FACTOR QUA	NTITATIVE:	0.69	IU/m	L	NEGATIVE: < 18.0	
SERUM						BORDERLINE: 18.0 - 25.0	
by NEPHLOMETRY						POSITIVE: > 25.0	
<u>INTERPRETATION:-</u> RHEUMATOID FACTOR	(RA):						
1. Rheumatoid factors	(RF) are antibodi	es that are directed	ed against the	Fc fragment of IgG alt	ered in its tertiar	y structure. toantibody (RF) is diagnostically	
useful although it may	not be etiologica	ally related to RA.	0	5 0	•	3.1.1.6	
 Inflammatory Mark The titer of RF correl 	ers such as ESR &	C-Reactive protei	in (CRP) are n but those pati	ormal in about 60 % of	patients with po	sitive RA. severe disease course.	
5. The test is useful for	r diagnosis and p	prognosis of rheur	natoid arthrit	ils.			
RHEUMATOID ARTHIRI 1. Rheumatoid Arthiri	F IS: tis is a systemic a	utoimmune disea	ise that is mu	Iti-functional in origin	and is characteri	ized by chronic inflammation of the	
membrane lining (syn	ovium) joints wh	ich ledas to progr	essive joint d	estruction and in most	cases to disabili	ty and reduction of quality life.	
2. The disease spredas 3. The diagnosis of RA	is primarily base	ed on clinical, radi	ological & im	munological features.	The most frequer	nt serological test is the	
measurement of RA face CAUTION (FALSE POST							
1. RA factor is not spec	ific for Rheumato	id arthiritis, as it is	often present	in healthy individuals w	with other autoim	mune diseases and chronic infections.	
RA patients have a nor	reactive titer and	8% of nonrheuma	toid patients	have a positive titer).		e of rheumatoid factor (RF) (15% of	
3. Patients with variou	s nonrheumatoid i	diseases character	ized by chroni	c inflammation may hav infectious mononucleos	/e positive tests fo	or RF. These diseases include systemic	
4. Anti-CCP have been	discovered in joint	ts of patients with	RA, but not in	other form of joint dise	ase.Anti-CCP2 is F	HIGHLY SENSITIVE (71%) & more	
specific (98%) than RA	factor. ts with Seronegat	ive Rheumatoid ar	thiritis also sh	ow Anti-CCP antibodies			
6. The positive predicti	ve value of Anti-Co	CP antibodies for R	heumatoid Ar	rthiritis is far greater tha	an Rheumatoid fa	ctor.	
		* * *	End Of R	eport ***			





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