



RML – Quality Assurance Program (RML – QAP)



HEMATOLOGY ALL METHOD REPORT

Cycle-11/2022

Round -3

Date: 25/05/2022

Lab Code: 2494

Complete Blood Count (CBC)

Parameters	No. of Participants	Group Mean	Standard deviation (SD)	Uncertainty of Assign Values	Range (± 2 SD)	Your Value	Standard Deviation Index(SDI)
Hb gm/dl	169	11.6	0.4	0.04	10.8-12.4	11.1	-1.3
WBC $\times 10^3/\mu\text{l}$.	169	10.7	2.0	0.19	6.8-14.6	6.5	-2.1
RBC $\times 10^6/\mu\text{l}$.	168	4.0	0.1	0.01	3.76-4.24	4.01	0.1
Hct%	167	35.7	2.3	0.22	31.1-40.3	32.6	-1.3
MCV fl.	168	89.3	4.6	0.44	80.1-98.5	81.3	-1.7
MCH pg.	168	29.1	0.9	0.09	27.3-31.0	27.5	-1.8
MCHC gm/dl	168	32.7	2.1	0.20	28.5-36.8	33.9	0.6
Platelet $\times 10^3/\mu\text{l}$.	168	252.8	21.0	2.03	210.8-294.8	263	0.5

Interpretation of SDI:

SDI Value(+/-)	0 - 0.5	0.6 - 0.9	1.0 - 2.0	2.1 - 2.9	≥ 3
Interpretation	Excellent Performance	Good Performance	Acceptable Performance	Marginal Performance Need Improvement	Unacceptable Performance Needs Urgent action

Peripheral Blood Smear(PBS):

	Your Result	Consensus Result
DLC	P-63, L-29, E-3, M-4, B-1	P-61.5-74.4, L-19.3-31.6 Pmyelo-23.4-70.7
Morphology	RBC- Mild anisocytosis, predominantly normocytic normochromic RBCs, few microcytes+, WBC- within normal limits, Platelets- increased in number, normal in distribution	Δ Thrombocytosis (125/134) Δ Normocytic/ Normochromic (122/134) Δ Hypersegmented Neutrophils (43/134) Δ Giant Platelets (34/134) Δ Anisocytosis (25/134)
Diagnosis	Thrombocytosis	Thrombocytosis/ Essential Thrombocythemia/ Myeloproliferative Neoplasm(MPN)/ Reactive Thrombocytosis/ Essential Thrombocytosis

Legends	(*) Excluded From Group Mean	{ } Not Reported	(#)Late Result Submission	(\$)Reported in other Unit
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Chief Coordinator

Dr. Sanjay Mehrotra

Checked By:

Doc. No.: ASS/FR/06/R01/Dt.: 05.01.2022

Programme Director

Dr. Bandana Mehrotra

****End of Report****

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Address: B-171, Nirala Nagar, Lucknow - 226 020. Ph. : 4034100-130 (30 Lines), 4077180, 2788-44 Fax : (0522)2788555

Email: rmlresearchfoundation@gmail.com Website: www.rmlpathology.com

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IQC / EQAS Outlier Log

TM/FR/16/R00/Dt: 01.05.2022

Department HAEMATOLOGY

Date/Time	Parameter	Rule violated	Corrective action	Tech Sign	Reviewed by
2/6/2022	TLC	WBC SDI was - 2.1	ILC Done for the same, ILC Result with acceptable range	VIKS 02/06/22	[Signature] 2/6/2022

Patient Name : **MRS USHA RAWAT**
 DOB/Age/Gender : 59 (Female)
 Patient ID : 22545
 Referred By : SELF
 Sample Type : Edta Wb
 Client : -

Bill Date : Jun 01, 2022, 02:10 p.m.
 Sample Collected : Jun 01, 2022, 07:00 a.m.
 Sample Received : Jun 01, 2022, 02:10 p.m.
 Report Date : Jun 01, 2022, 02:55 p.m.
 Barcode No : 2724615222

Test Description	Value(s)	Unit(s)	Reference Range
PRIME FULL BODY CHECK-UP			
Complete Blood Count (CBC)			
Hemoglobin Method : Spectrophotometry	14.1	g/dL	11.5 - 15.0
RBC Count Method : Electrical Impedance	4.83	Mill/mm3	3.8 - 4.8
PCV Method : Calculated	42.6	%	36.0 - 46.0
MCV Method : Calculated	88.1	fL	80.0 - 100.0
MCH Method : Calculated	29.1	pg	27.0 - 32.0
MCHC Method : Calculated	33	g/dL	32.0 - 35.0
RDW (CV) Method : Calculated	15.3	%	11.5 - 14.5
RDW-SD Method : Calculated	47.5	fL	35.1 - 43.9
TLC Method : Electrical impedance & microscopy	7.26	10 ³ /uL	4.0 - 10.0
DIFFERENTIAL LEUCOCYTE COUNT			
Neutrophils	63	%	40.0 - 80.0
Lymphocytes	27	%	20.0 - 40.0
Monocytes	07	%	0.7 - 6.0
Eosinophils	02	%	1.0 - 6.0



Dr. Kanika Jain
 MBBS, MD
 Consultant Pathologist

Scan to Validate



