



RML – Quality Assurance Program (RML – QAP)



HEMATOLOGY

ALL METHOD REPORT

Lab Code: 2084

Cycle-10/2021

Round -1

Date: 12/02/2021

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	119	12.1	0.5	0.06	11.0-13.1	11.1	-1.8
WBC $\times 10^3/\mu\text{L}$	117	9.0	2.4	0.27	4.3-13.7	9.6	0.3
RBC $\times 10^5/\mu\text{L}$	116	4.2	0.2	0.02	3.8-4.5	4.34	0.9
Hct%	116	36.6	3.4	0.39	29.8-43.3	39.0	0.7
MCV fl.	116	87.5	4.9	0.57	77.7-97.3	90.0	0.5
MCH pg.	116	29.1	1.1	0.13	26.9-31.3	25.6	-3.2
MCHC gm/dl	116	33.2	2.6	0.31	28.0-38.5	28.5	-1.8
Platelet $\times 10^3/\mu\text{L}$	117	246.8	20.6	2.38	205.7-288.0	284	1.8

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	Myelo-5, Mmyelo-10, P-77, L-7, nRBC-1	P66.0-87.6, S2.5-14.9, Mmyelo1.3-5.1, Myelo1.2-4.3, L3.1-9.6, M1.2-4.8
Morphology	Normocytic Normochromic, Increased Rouleaux formation, Plasmacytoid lymphocytes 3%	Δ Normocytic/Normochromic(93/98) Δ Toxic granulation in Neutrophils (30/98), Δ Neutrophilia/ Shift to left (29/98), Δ Anisocytosis (22/98) Δ Leukocytosis (21/98)
Diagnosis	Neutrophilia with mild shift to left. No toxic granules	Neutrophilic Leukocytosis/ Leukoerythroblastic picture/ Leukemoid Reaction

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

Dr. Sanjay Mehrotra

Programme Director

Dr. Bandana Mehrotra

Checked By:



End of Report

Page 1 of 5



Address: B-171, Nirala Nagar, Lucknow - 226 020. Ph. : 4034100-130 (30 Lines), 4077180, 2788444 Fax : (0522)2788555

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

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HEMATOLOGY
METHOD WISE REPORT

Lab Code: 2084

Cycle-10/2021
Round - 1

Date: 12/02/2021

Note: Your lab is not the part of Method Group

Complete Blood Count (CBC)

Parameters	Method Group	No.of Participants	Group Mean	Standard deviation (SD)	Uncertainty of Assign Values	Range (± 2 SD)	Your Value	Standard Deviation Index(SDI)
Hb gm/dl	Photometric	43	12.1	0.5	0.10	11.0-13.1	.	-
WBC $\times 10^3/\mu\text{l}$.	Electrical impedance	48	9.3	1.9	0.35	5.4-13.1	.	-
RBC $\times 10^6/\mu\text{l}$	Electrical impedance	47	4.1	0.2	0.03	3.8-4.4	.	-
Hct%	Calculated	38	36.0	2.5	0.51	31.0-41.0	.	-
MCV fl.	Electrical impedance	28	88.0	4.2	0.99	79.7-96.4	.	-
MCH pg.	Calculated	49	28.9	1.1	0.19	26.7-31.0	.	-
MCHC gm/dl	Calculated	52	33.1	2.5	0.44	28.0-38.1	.	-
Platelet $\times 10^3/\mu\text{l}$.	Electrical impedance	41	243.9	13.9	2.70	216.2-271.6	.	-

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

Legends	(*) Excluded From Group Mean	(.) Not Reported	(#)Late Result Submission	(\$)Reported in other Unit
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Page 2 of 5

