



RML – Quality Assurance Program (RML – QAP)



HEMATOLOGY

ALL METHOD REPORT

Cycle-11/2022

Round -4

Lab Code: 2563

Date: 01/08/2022

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	214	11.6	0.4	0.03	10.8-12.4	11.4	-0.5
WBC $\times 10^3/\mu\text{l}$.	212	10.5	2.4	0.21	5.6-15.3	11.5	0.4
RBC $\times 10^6/\mu\text{l}$.	214	4.0	0.1	0.01	3.74-4.30	4.02	0.2
Hct%	213	34.9	2.4	0.21	30.2-39.6	33.9	-0.4
MCV fl.	214	86.8	4.2	0.36	78.5-95.2	84.0	-0.7
MCH pg.	214	28.8	1.0	0.09	26.8-30.8	28.4	-0.4
MCHC gm/dl	214	33.1	2.0	0.17	29.1-37.2	33.7	0.3
Platelet $\times 10^3/\mu\text{l}$.	214	269.3	22.6	1.93	224.0-314.5	282	0.6

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

Peripheral Blood Smear(PBS):

	Your Result	Consensus Result
DLC	Bl-5, P-20, L-71, E-1, M-3	L-66.0-84.7, P-11.8-24.7 ProL-3.0-13.3
Morphology	RBCs normocytic normochromic, WBCs- shift to left upto blast cells, many smudge(smear) cells are seen, platelets are adequate on smear	Δ Normocytic/ Normochromic (161/184) Δ Smudge cells (150/184) Δ Lymphocytosis (129/184) Δ Leukocytosis (101/184) Δ Atypical cells (30/184)
Diagnosis	s/o Chronic Lymphocytic Leukemia	Chronic Lymphocytic Leukemia (CLL), Chronic Lymphoproliferative Disorder (CLPD), Chronic Lymphoid Leukemia

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

Sanjay Mehrotra

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Checked By: *W*

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Bandana Mehrotra

Dr. Bandana Mehrotra

Doc. No.: ASS / FR / 06 / R 01 / Dt. 05.01.2022

End of Report

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