



# RML – Quality Assurance Program (RML – QAP)



## HEMATOLOGY ALL METHOD REPORT

Cycle-11/2022  
Round -4

Date: 01/08/2022

Lab Code: 2564

### Complete Blood Count (CBC)

Parameters	No. of Participants	Group Mean	Standard deviation (SD)	Uncertainty of Assign Values	Range ( $\pm 2$ SD)	Your Value	Standard Deviation Index(SDI)
Hb gm/dl	214	11.6	0.4	0.03	10.8-12.4	10.2	-3.5 →
WBC $\times 10^3/\mu\text{l}$ .	212	10.5	2.4	0.21	5.6-15.3	11.1	0.3
RBC $\times 10^6/\mu\text{l}$ .	214	4.0	0.1	0.01	3.74-4.30	3.64	-3.6 →
Hct%	213	34.9	2.4	0.21	30.2-39.6	31.7	-1.3
MCV fl.	214	86.8	4.2	0.36	78.5-95.2	87.2	0.1
MCH pg.	214	28.8	1.0	0.09	26.8-30.8	28.1	-0.7
MCHC gm/dl	214	33.1	2.0	0.17	29.1-37.2	32.2	-0.4
Platelet $\times 10^3/\mu\text{l}$ .	214	269.3	22.6	1.93	224.0-314.5	246	-1.0

### Interpretation of SDI:

SDI Value(+/-)	0 - 0.5	0.6 - 0.9	1.0 - 2.0	2.1 - 2.9	$\geq 3$
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	-	L-66.0-84.7, P-11.8-24.7 ProL-3.0-13.3
Morphology	-	$\Delta$ Normocytic/ Normochromic (161/184) $\Delta$ Smudge cells (150/184) $\Delta$ Lymphocytosis (129/184) $\Delta$ Leukocytosis (101/184) $\Delta$ Atypical cells (30/184)
Diagnosis	-	Chronic Lymphocytic Leukemia (CLL), Chronic Lymphoproliferative Disorder (CLPD), Chronic Lymphoid Leukemia

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

Programme Director

Dr. Sanjay Mehrotra

Dr. Bandana Mehrotra

Checked By: *W*

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

**\*\*End of Report\*\***

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Continuous Efforts And Execution Leads To Quality Excellence

**RML EQAS CORRECTIVE &  
PREVENTIVE ACTION**

**Name of the department: Hematology**

**EQAS Programme : RML EQAS**

**Cycle / Sample No : 11**

**Month and year : AUGUST - 2022**

**Nature of Non conformance:**

**Hemoglobin and RBC SDI :  $\geq \pm 2.0$**

**Corrective and preventive action taken:**

**Hemoglobin and RBC** Reagent stability, Expiry status and internal quality Control values were verified on the day (12/07/22) we processed our EQAS sample and the QC value is within the normal range only. It may be due to Random Error.

Review in the next EQAS sample.

**Date:**

22/8/22



**Approved by:**

**Dr Mohd Khaleel Msc.Ph.D  
Head-Clinical Laboratory**