



# RML – Quality Assurance Program (RML – QAP)



## HEMATOLOGY

### ALL METHOD REPORT

Cycle-12/2023

Round -3

Date: 30/06/2023

Lab Code: 2993

#### Complete Blood Count (CBC)

Parameters	No. of Participants	Robust Mean	Robust Standard deviation (SD)	Uncertainty of Assign Values	Range ( $\pm 2SD$ )	Your Value	Z Score
Hb gm/dl	289	11.6	0.4	0.03	10.8-12.4	11.8	0.5
WBC $\times 10^3/\mu\text{l}$ .	287	11.3	0.7	0.05	9.9-12.7	11.4	0.1
RBC $\times 10^6/\mu\text{l}$ .	287	4.0	0.1	0.01	3.8-4.2	4.25	2.5
Hct%	286	35.1	2.4	0.18	30.4-39.8	39.3	1.8
MCV fl.	286	86.9	4.9	0.36	77.1-96.7	92.4	1.1
MCH pg.	286	28.9	1.0	0.07	26.9-31.0	27.8	-1.1
MCHC gm/dl	286	33.1	2.1	0.16	28.9-37.3	30.0	-1.5
Platelet $\times 10^3/\mu\text{l}$ .	287	263.1	19.3	1.42	224.6-301.6	287	1.2

#### Interpretation of Z Score:

Z Score Value(+/-)	$[Z] \leq 2.0$	$2.0 < [Z] < 3.0$	$[Z] \geq 3.0$
Interpretation	Satisfactory Performance No signal	Questionable Warning Signal	Unsatisfactory Performance action Signal

#### Peripheral Blood Smear(PBS):

	Your Result	Consensus Result
DLC	Meta-02, S-08, P-62, L-23, E-01, Mono-04	P-56.7-84.2, L-6.6-25.7, E-1.1-4.6, Mono- 1.1-4.5
Morphology	RBC- Normocytic(++), Microcytic(+), Normochromic(++), Hypochromic(+), mild Anisocytosis. WBC-Increased in number with increased Neutrophils. PLt-Increased	$\Delta$ Thrombocytosis (208/289) $\Delta$ Normocytic/ Normochromic (184/289) $\Delta$ Leukocytosis (173/289) $\Delta$ Microcytic/Microcytosis/Microcytes (126/289) $\Delta$ Hypochromia/Hypochromic (105/289)
Diagnosis	Normocytic Hypochromic Anemia with Neutrophilic Leukocytosis and Thrombocytosis	Thrombocytosis/Thrombocythemia/ Essential Thrombocytosis

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

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Checked By:

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

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

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RML Research Foundation

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