



RML – Quality Assurance Program (RML – QAP)



HEMATOLOGY

ALL METHOD REPORT

Lab Code: 3097

Cycle - 12/2023
Round No - 12

Date: 29/12/2023

Complete Blood Count (CBC)

Parameters	No. of Participants	Robust Mean	Robust Standard deviation (SD)	Uncertainty of Assign Values	Range (± 2 SD)	Your Value	Z Score
Hb gm/dl	282	12.0	0.4	0.03	11.3-12.8	12.9	1.3
WBC $\times 10^3/\mu\text{l}$.	280	10.6	0.7	0.05	9.2-12.0	11.3	0.4
RBC $\times 10^6/\mu\text{l}$.	281	4.1	0.1	0.01	3.9-4.3	4.39	1.9
Hct%	280	36.5	2.6	0.19	31.2-41.8	39.6	1.2
MCV fl.	280	88.4	5.0	0.37	78.4-98.4	90.2	0.4
MCH pg.	280	29.2	0.9	0.07	27.4-31.0	29.4	0.2
MCHC gm/dl	280	32.9	2.1	0.16	28.7-37.1	32.6	-0.1
Platelet $\times 10^3/\mu\text{l}$.	282	272.0	21.4	1.59	229.2-314.8	287.0	0.7

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	P-90, L-06, E-01, Mono-03	P-73.8-89.2, L-6.4-15.7, Prom-1.5-20.4, S-1.3-8.8
Morphology	RBC- Predominantly normocytic Hypochromic cells few microcytic Hypochromic cells noted. WBC- Total count is increased, DLC shows Neutrophilia with toxic granules. Platelets- Adequate	Δ Neutrophilia (250/254) Δ Leukocytosis (245/254) Δ Normocytic/ Normochromic (179/254) Δ Hypochromia/Hypochromic (137/254) Δ Microcytic/ Microcytosis/ Microcytes (130/254)
Diagnosis	Normocytic hypochromic anemia with neutrophilic leucocytosis	Neutrophilic Leukocytosis with Anemia/ Neutrophilia/ Leucocytosis

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 / R 01 / Dt.: 05.01.2022

****End of Report****

Programme Director

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