



## HEMATOLOGY

### ALL METHOD REPORT

Cycle-12/2023

Lab Code: 2719

Round -2

Date: 29/04/2023

#### 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	12.2	0.5
WBC × 10 <sup>3</sup> /μl.	280	10.6	0.7	0.05	9.2-12.0	10.1	-0.7
RBC × 10 <sup>6</sup> /μl.	281	4.1	0.1	0.01	3.9-4.3	4.10	0.0
Hct%	280	36.5	2.6	0.19	31.2-41.8	38.7	0.8
MCV fl.	280	88.4	5.0	0.37	78.4-98.4	94.5	1.2
MCH pg.	280	29.2	0.9	0.07	27.4-31.0	29.7	0.6
MCHC gm/dl	280	32.9	2.1	0.16	28.7-37.1	31.5	-0.7
Platelet × 103/μl.	282	272.0	21.4	1.59	229.2-314.8	244	-1.3

#### Interpretation of Z Score:

Z Score Value(+/-)	[Z] ≤ 2.0	2.0 < [Z] < 3.0	[z] ≥ 3.0
Interpretation	Satisfactory Performance No signal	Questionable Warning Signal	Unsatisfactory Performance action Signal

#### Peripheral Blood Smear(PBS):

	Your Result	Consensus Result
DLC	Meta- 05, S-10, P-66, L-10, E-05, Mono-05	P-73.8-89.2, L-6.4-15.7, Prom-1.5-20.4, S-1.3-8.8
Morphology	RBC are Microcytic Hypochromic with moderate degree of anisopoikilocytosis. Tear drop cells, Pencil shaped cells are seen WBC are increased in number, Normal in morphology & distribution. Few stab forms and metamyelocytes are seen Platelets are adequate. Giant platelets and platelet clumps are seen.	ΔNeutrophilia (250/254) ΔLeukocytosis (245/254) ΔNormocytic/ Normochromic (179/254) ΔHypochromia/Hypochromic (137/254) ΔMicrocytic/ Microcytosis/ Microcytes (130/254)
Diagnosis	Microcytic hypochromic anaemia	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:

Programme Director

Dr. Bandana Mehrotra

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

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

Page 1 of 5



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