



HEMATOLOGY

ALL METHOD REPORT

Cycle-11/2022

Round -5

Lab Code: 2582

Date: 07/09/2022

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	210	11.6	0.5	0.04	10.5-12.6	11.6	0.0
WBC $\times 10^3/\mu\text{l}$.	209	10.6	2.6	0.22	5.5-15.8	12.6	0.8
RBC $\times 10^6/\mu\text{l}$.	209	4.0	0.2	0.02	3.67-4.39	4.13	0.6
Hct%	208	35.3	2.4	0.21	30.5-40.1	38.0	1.1
MCV fl.	209	87.7	4.7	0.41	78.2-97.1	91.9	0.9
MCH pg.	209	28.8	1.1	0.10	26.5-31.0	28.1	-0.6
MCHC gm/dl	209	32.8	2.0	0.17	28.8-36.8	30.6	-1.1
Platelet $\times 10^3/\mu\text{l}$.	209	268.6	23.2	2.01	222.1-315.0	271	0.1

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	S-3, P-74, L-18, E-4, M-1	P-61.0-76.8 L-16.8-30.7 E-1.0-4.4 M-1.5-4.6
Morphology	shows anisocytosis, microcytic hypochromic polychromatophils macro-ovalocytes, elliptocytes, 5 lobed neutrophils (occasional present) Macroplatelets are seen, reduced platelet count	Δ Microcytic/ Microcytosis (140/155) Δ Hypochromic/Hypochromia (133/155) Δ Anisocytosis (108/155) Δ Poikilocytosis (87/155) Δ Thrombocytopenia (65/155)
Diagnosis	Nutritional Anemia predominantly iron deficiency anemia with associated early vit B12 deficiency	Microcytic Hypochromic Anemia/ Dimorphic Anemia/ Nutritional Deficiency Anemia/ Iron Deficiency Anemia

Legends	(*) Excluded From Group Mean	[.] Not Reported	(#)Late Result Submission	(\$)Reported in other Unit
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