



RML – Quality Assurance Program (RML – QAP)



HEMATOLOGY

ALL METHOD REPORT

Cycle-11/2022

Round -5

Date: 07/09/2022

Lab Code: 2544

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	11.4	-0.4
WBC $\times 10^3/\mu\text{l}$.	209	10.6	2.6	0.22	5.5-15.8	12.3	0.7
RBC $\times 10^6/\mu\text{l}$.	209	4.0	0.2	0.02	3.67-4.39	4.02	0.1
Hct%	208	35.3	2.4	0.21	30.5-40.1	36.4	0.5
MCV fl.	209	87.7	4.7	0.41	78.2-97.1	90.5	0.6
MCH pg.	209	28.8	1.1	0.10	26.5-31.0	28.4	-0.4
MCHC gm/dl	209	32.8	2.0	0.17	28.8-36.8	31.4	-0.7
Platelet $\times 10^3/\mu\text{l}$.	209	268.6	23.2	2.01	222.1-315.0	280	0.5

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-65, L-22, E-7, M-3	P-61.0-76.8 L-16.8-30.7 E-1.0-4.4 M-1.5-4.6
Morphology	Predominantly normocytic to microcytic hypochromic smear, Few macrocytes seen, Anisopoikilocytosis present, Trophozoite and schizont of P vivax Malarial parasites seen	Δ Microcytic/ Microcytosis (140/155) Δ Hypochromic/Hypochromia (133/155) Δ Anisocytosis (108/155) Δ Poikilocytosis (87/155) Δ Thrombocytopenia (65/155)
Diagnosis	Trophozoite and Schizont of plasmodium vivax Malarial Parasite seen	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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Chief Coordinator

Dr. Sanjay Mehrotra

Checked By:

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

Programme Director

Dr. Bandana Mehrotra

****End of Report****

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