



RML- Quality Assurance Program (RML-QAP)



HEMATOLOGY

ALL METHOD REPORT

Lab Code: 2779

Cycle-12/2023

Round -4

Date: 31/08/2023

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	310	11.9	0.4	0.03	11.1-12.6	*10.7	-3.0
WBC $\times 10^3/\mu\text{l}$.	308	11.3	0.8	0.06	9.7-13.0	12.4	1.3
RBC $\times 10^6/\mu\text{l}$.	309	4.1	0.1	0.01	3.8-4.4	3.96	-1.0
Hct%	309	36.1	2.6	0.18	31.0-41.2	35.7	-0.2
MCV fl.	308	87.7	4.9	0.35	77.9-97.5	90.0	0.5
MCH pg.	308	28.9	1.0	0.07	26.9-30.8	27.1	-1.8
MCHC gm/dl	308	32.9	2.0	0.14	28.8-36.9	30.1	-1.4
Platelet $\times 10^3/\mu\text{l}$.	309	272.6	18.8	1.34	235.0-310.3	251	-1.1

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-40, L-55, E-01, Mono-04	P-47.7-68.4, L-23.9-45.9, E-1-3.6, Mono- 1.5-4.7
Morphology	RBC: Anisopoikilocytosis, predominantly Microcytic Hypochromic RBCs, few Tear Drop Cells, Elliptocytes. WBC: Adequate. Platelets- Adequate and mature. No Malarial parasite and Abnormal cell seen	Δ Microcytic/Microcytosis/Microcytes (276/288) Δ Hypochromia/ Hypochromic (259/288) Δ Anisocytosis (230/288) Δ Poikilocytosis (205/288) Δ Target Cells (176/288)
Diagnosis	Microcytic Hypochromic Anemia	Microcytic Hypochromic Anemia
Legends	(*) Excluded From Group Mean	{.} Not Reported
		(#)Late Result Submission
		(\$)Reported in other Unit

Chief Coordinator

Dr. Sanjay Mehrotra

Checked By:

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

End of Report

Programme Director

Dr. Bandana Mehrotra

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PC 1001

RML- Quality Assurance Program (RML-QAP)



HEMATOLOGY

METHOD WISE REPORT

Lab Code: 2779

Cycle-12/2023

Round -4

Date: 31/08/2023

Note: @ parameter is not the part of this Method Group

Complete Blood Count (CBC)

Parameters	Method Group	No.of Participants	Method Wise Robust Mean	Method Wise Robust Standard deviation (SD)	Method Wise Uncertainty of Assign Values	Method Wise Range (± 2 SD)	Your Value	Method Wise Z Score
Hb gm/dl	Photometric	181	11.8	0.4	0.04	11.0-12.6	10.7	-2.9
WBC $\times 10^3/\mu\text{l}$.	Electrical impedance	167	11.3	0.7	0.07	10.0-12.7	12.4	1.5
RBC $\times 10^6/\mu\text{l}$.	Electrical impedance	183	4.1	0.1	0.01	3.8-4.4	3.96	-1.0
Hct%	Calculated	176	36.0	2.3	0.22	31.4-40.7	35.7	-0.1
MCV fl.	Calculated	135	87.4	4.6	0.50	78.1-96.6	90.0	0.6
MCH pg.	Calculated	187	28.7	1.0	0.09	26.8-30.7	27.1	-1.7
MCHC gm/dl	Calculated	188	32.8	1.8	0.17	29.1-36.5	30.1	-1.5
Platelet $\times 10^3/\mu\text{l}$. @	Electrical impedance	177	272.7	17.4	1.64	237.8-307.6	-	-

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

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:

Prepared By: S.M

Programme Director

Dr.Bandana Mehrotra

End of Report

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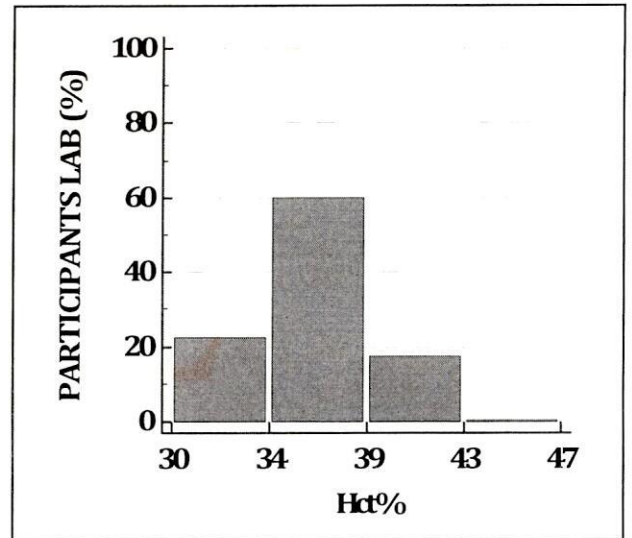
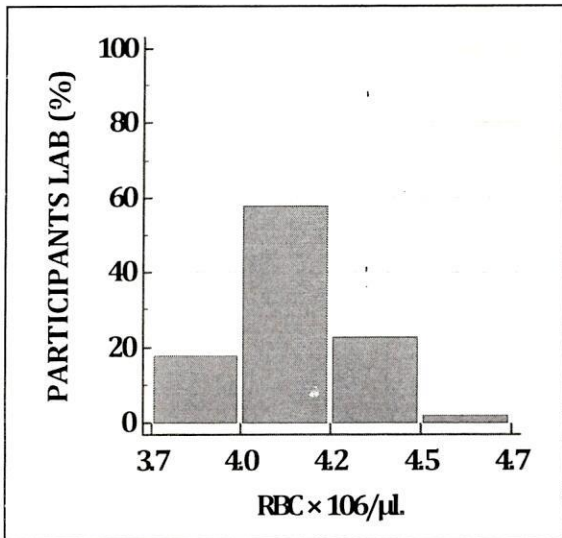
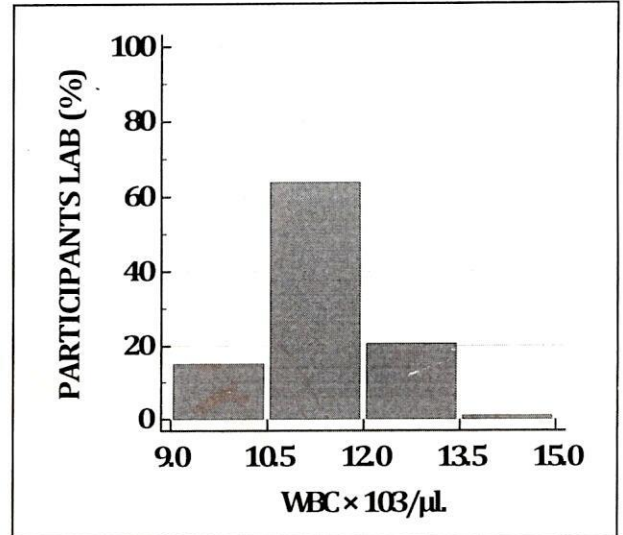
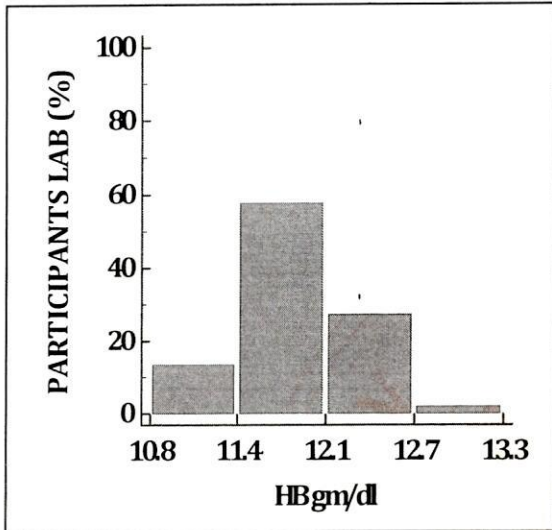


HEMATOLOGY

GRAPHICAL REPORT

Cycle - 12/2023
Round -4

Date: 31/08/2023





RML- Quality Assurance Program (RML-QAP)

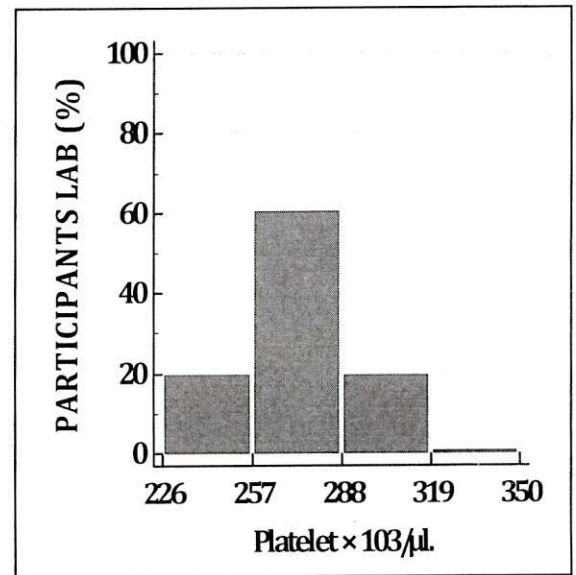
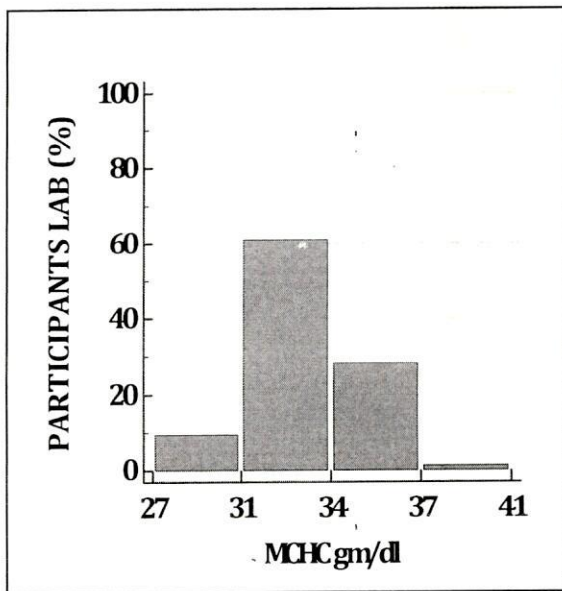
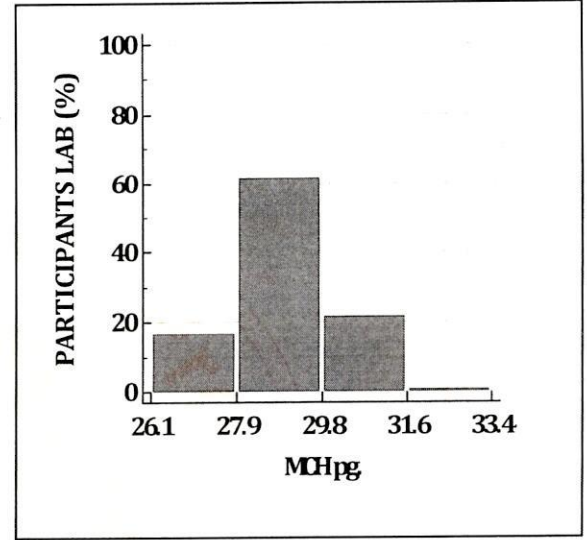
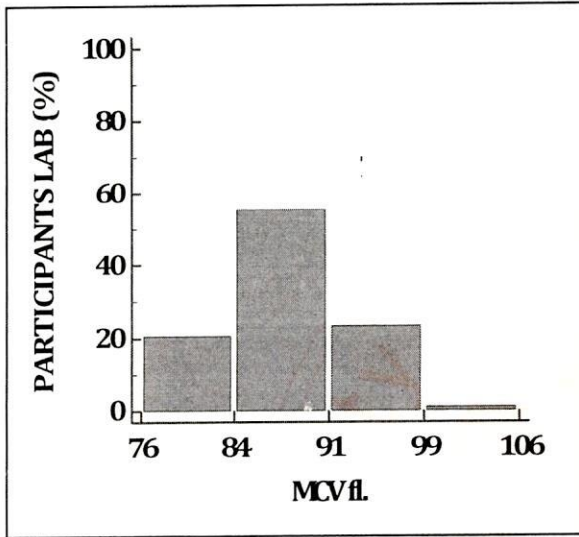


HEMATOLOGY

GRAPHICAL REPORT

Cycle - 12/2023
Round -4

Date: 31/08/2023





PC 1001

RML- Quality Assurance Program (RML-QAP)



Hematology

ALL PARTICIPANTS COMPLETE DATA REPORT

Cycle - 12/2023Round No - 4Date: 31/08/2023

Note:- This report is only for information about the participant's performance in the particular round

Parameters	Total No. of Participants	No. of Responses	No of Participant Excluded from Robust Group Mean	No. of Participants Z Score b/w 0.0 - 2	No. of Participants Z Score b/w 2.1 - 2.9	No. of Participants Z Score >3
Hb gm/dl	414	310	40	255	15	40
WBC $\times 10^3/\mu\text{l}$.	414	308	89	205	15	88
RBC $\times 10^3/\mu\text{l}$.	414	309	34	253	22	34
HCT%	414	309	17	275	17	17
MCV fl.	414	308	2	298	8	2
MCH pg.	414	308	16	273	19	16
MCHC gm/dl	414	308	12	289	8	11
Platelet $\times 10^3/\mu\text{l}$.	414	309	20	268	21	20

****End of Report****

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