



RML- Quality Assurance Program (RML-QAP)



HEMATOLOGY

ALL METHOD REPORT

Cycle-12/2023

Lab Code: 3137

Round -5

Date: 31/10/2023

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	338	11.7	0.4	0.02	11.0-12.5	12.0	0.7
WBC $\times 10^3/\mu\text{l}$.	333	11.0	0.8	0.06	9.3-12.6	10.3	-0.8
RBC $\times 10^6/\mu\text{l}$.	336	4.1	0.1	0.01	3.9-4.3	4.01	-0.6
Hct%	337	35.5	2.3	0.16	30.8-40.1	32.1	-1.4
MCV fl.	336	86.8	4.6	0.31	77.7-95.9	80.0	-1.5
MCH pg.	336	28.8	0.9	0.06	27.0-30.7	29.9	1.2
MCHC gm/dl	336	33.1	2.0	0.13	29.2-37.0	37.4	2.2
Platelet $\times 10^3/\mu\text{l}$.	337	260.1	19.6	1.34	220.8-299.4	268	0.4

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	S-03, P-28, L-24, E-43, Mono- 01, nRBC-01	P- 17.3-59.7, L- 8.7-24.3, E- 14.6-61.6, Mono- 1.2-4.8
Morphology	RBCs- Mostly Normocytic & Normochromic. Few late Normoblast seen with mild Rouleaux formation & Poikilocytosis. WBCs- Prominent Eosinophilia. Mild degree of Neutrophil dysplasia seen. Necrotic changes were seen in majority of WBCs. Platelets- Decreased in number (Thrombocytopenia)	Δ Normocytic/Normochromic (283/302) Δ Eosinophilia (264/302) Δ Leukocytosis (212/302) Δ Thrombocytopenia (153/302)
Diagnosis	? Asthma ? COPD ? Parasite Infection	Eosinophilia

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****

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Programme Director

Dr. Bandana Mehrotra



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RML- Quality Assurance Program (RML-QAP)



HEMATOLOGY

METHOD WISE REPORT

Lab Code: 3137

Cycle-12/2023
Round -5

Date: 31/10/2023

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	195	11.8	0.4	0.03	11.0-12.5	-	-
WBC $\times 10^3/\mu\text{l}$. @	Electrical impedance	175	11.0	0.7	0.07	9.5-12.5	-	-
RBC $\times 10^6/\mu\text{l}$. @	Electrical impedance	195	4.1	0.1	0.01	3.8-4.4	-	-
Hct% @	Calculated	191	35.8	2.4	0.22	30.9-40.6	-	-
MCV fl.	Calculated	136	86.4	4.4	0.48	77.5-95.3	80.0	-1.4
MCH pg.	Calculated	202	28.8	0.9	0.08	27.0-30.6	29.9	1.2
MCHC gm/dl	Calculated	205	33.0	1.6	0.14	29.7-36.2	37.4	2.7
Platelet $\times 10^3/\mu\text{l}$. @	Electrical impedance	192	259.3	18.7	1.69	221.9-296.8	-	-

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: SSK

Programme Director

Dr.Bandana Mehrotra

End of Report

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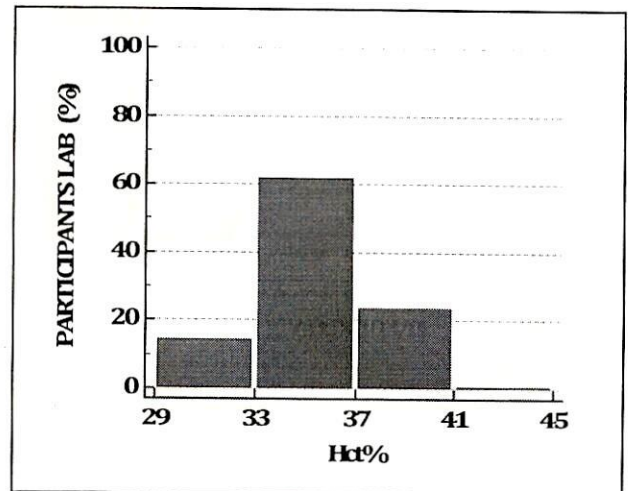
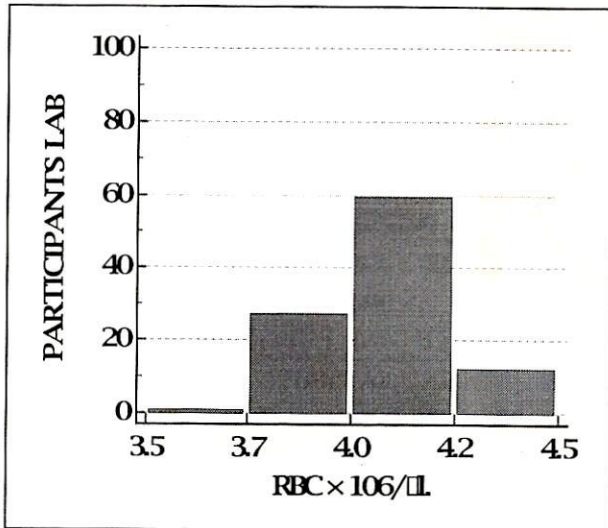
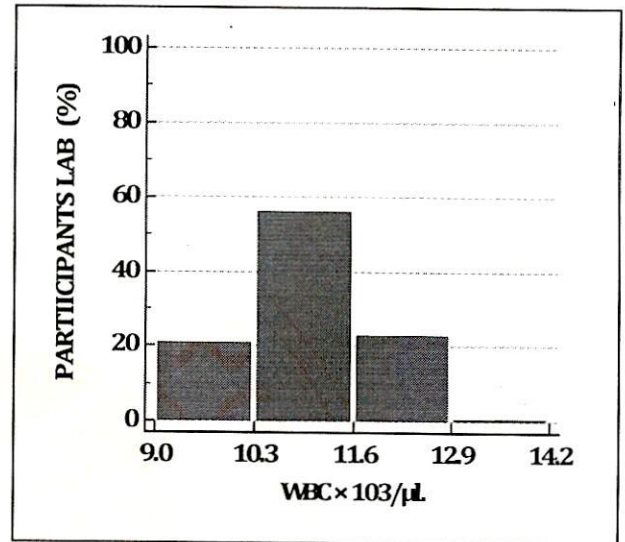
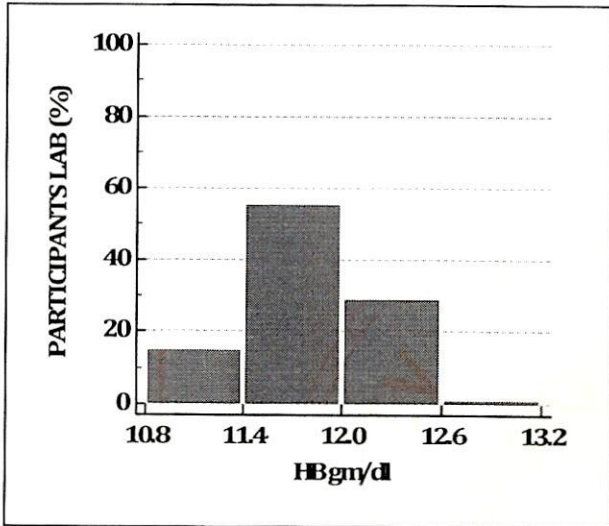
HEMATOLOGY

GRAPHICAL REPORT

Cycle - 12/2023

Round -5

Date: 31/10/2023





RML- Quality Assurance Program (RML-QAP)

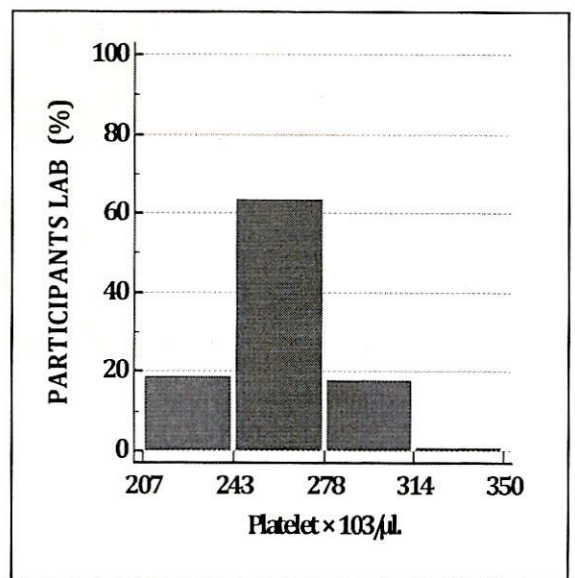
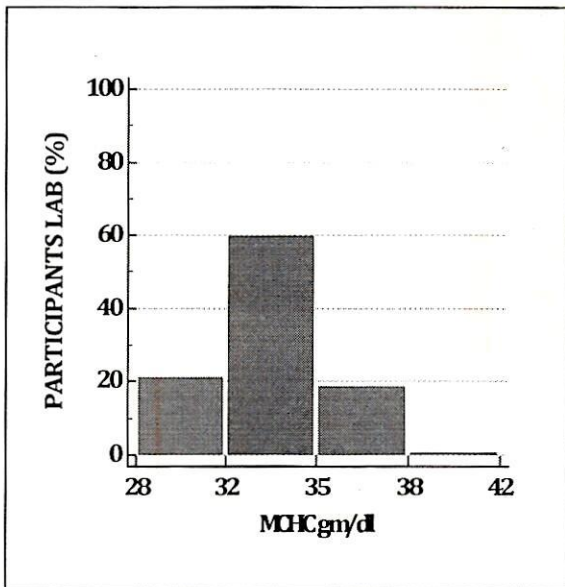
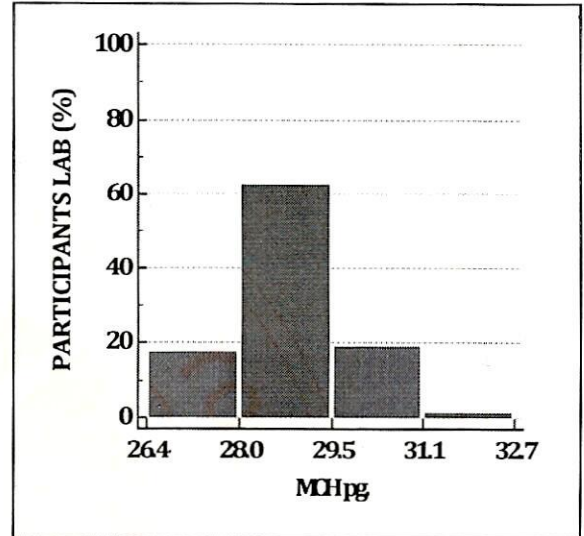
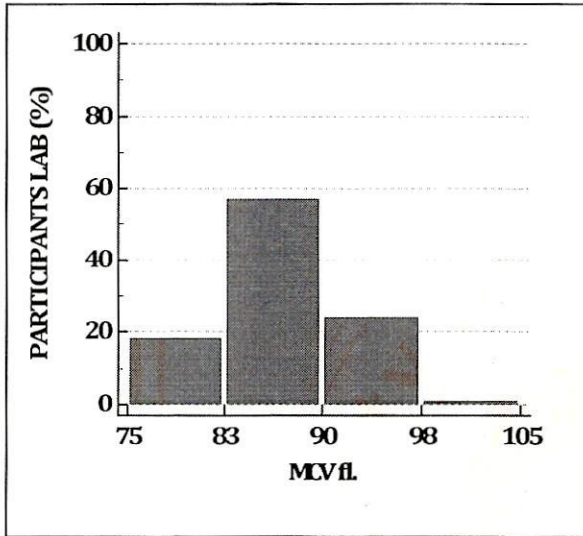


HEMATOLOGY

GRAPHICAL REPORT

Cycle - 12/2023
Round - 5

Date: 31/10/2023





Hematology

ALL PARTICIPANTS COMPLETE DATA REPORT

Cycle - 12/2023

Round No - 5

Date: 31/10/2023

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	448	338	48	277	13	48
WBC $\times 10^3/\mu\text{l}$.	448	333	106	212	15	106
RBC $\times 10^3/\mu\text{l}$.	448	336	52	252	32	52
HCT%	448	337	18	303	16	18
MCV fl.	448	336	6	321	9	6
MCH pg.	448	336	17	294	25	17
MCHC gm/dl	448	336	10	302	24	10
Platelet $\times 10^3/\mu\text{l}$.	448	337	18	300	19	18

****End of Report****

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