



RML – Quality Assurance Program (RML – QAP)



HEMATOLOGY

ALL METHOD REPORT

Cycle-12/2023

Round -2

Date: 29/04/2023

Lab Code: 2749

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	12.8	2.0
WBC $\times 10^3/\mu\text{L}$	280	10.6	0.7	0.05	9.2-12.0	10.5	-0.1
RBC $\times 10^6/\mu\text{L}$	281	4.1	0.1	0.01	3.9-4.3	4.3	2.0
Hct%	280	36.5	2.6	0.19	31.2-41.8	37.7	0.5
MCV fl.	280	88.4	5.0	0.37	78.4-98.4	83.5	-1.0
MCH pg.	280	29.2	0.9	0.07	27.4-31.0	28.7	-0.6
MCHC gm/dl	280	32.9	2.1	0.16	28.7-37.1	34.4	0.7
Platelet $\times 10^3/\mu\text{L}$	282	272.0	21.4	1.59	229.2-314.8	243	-1.4

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	S-02, P-79, L-15, E-01, Mono-03	P-73.8-89.2, L-6.4-15.7, Prom-1.5-20.4, S-1.3-8.8
Morphology	RBC- Predominantly Normocytic Normochromic forms with good number of Macrocytes and Microcytic Hypochromic forms WBC- Neutrophilia with right shift (Hypersegmented forms) & Vacuolated cytoplasm	Δ Neutrophilia (250/254) Δ Leukocytosis (245/254) Δ Normocytic/ Normochromic (179/254) Δ Hypochromia/Hypochromic (137/254) Δ Microcytic/ Microcytosis/ Microcytes (130/254)
Diagnosis	Dimorphic anemia with neutrophilic leukocytosis	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:

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

Programme Director

Dr. Bandana Mehrotra

****End of Report****

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HEMATOLOGY

METHOD WISE REPORT

Cycle-12/2023

Round -2

Date: 29/04/2023

Lab Code: 2749

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	190	12.0	0.3	0.03	11.4-12.6	12.8	2.1
WBC $\times 10^3/\mu\text{l}$.	Electrical impedance	172	10.6	0.7	0.07	9.2-12.0	10.5	-0.1
RBC $\times 10^6/\mu\text{l}$.	Electrical impedance	191	4.1	0.1	0.01	3.9-4.3	4.3	2.0
Hct%	Calculated	184	36.6	2.6	0.24	31.5-41.8	37.7	0.4
MCV fl.	Calculated	131	88.6	5.4	0.59	77.9-99.3	83.5	-0.9
MCH pg.	Calculated	194	29.1	0.9	0.08	27.3-30.8	28.7	-0.4
MCHC gm/dl	Calculated	196	32.7	2.1	0.19	28.5-36.8	34.4	0.8
Platelet $\times 10^3/\mu\text{l}$.	Electrical impedance	187	272.5	20.7	1.89	231.1-313.9	243	-1.4

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

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: PS

Programme Director

Dr.Bandana Mehrotra

****End of Report****

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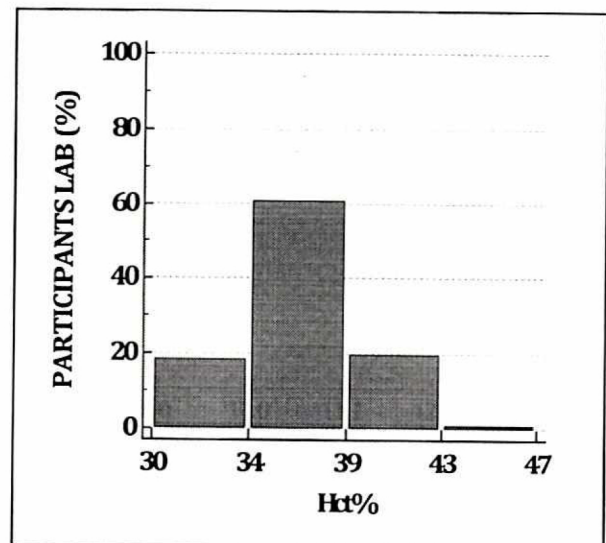
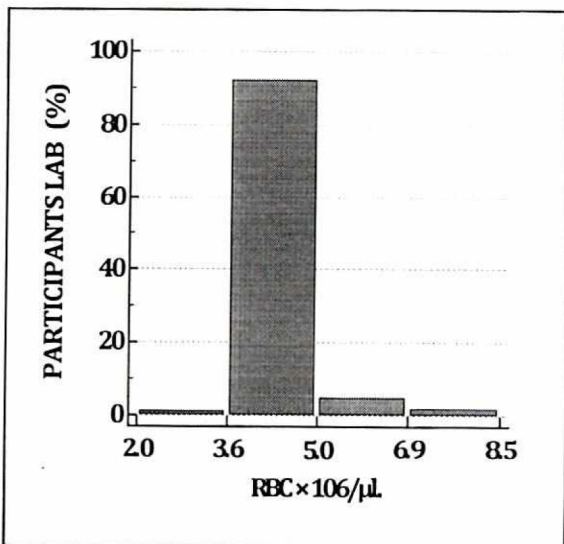
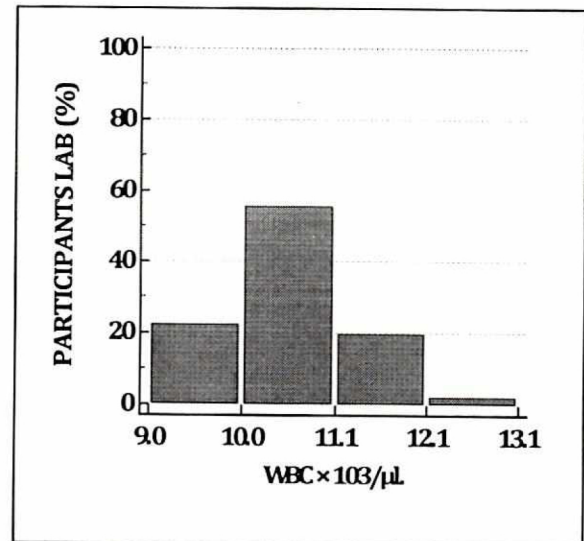
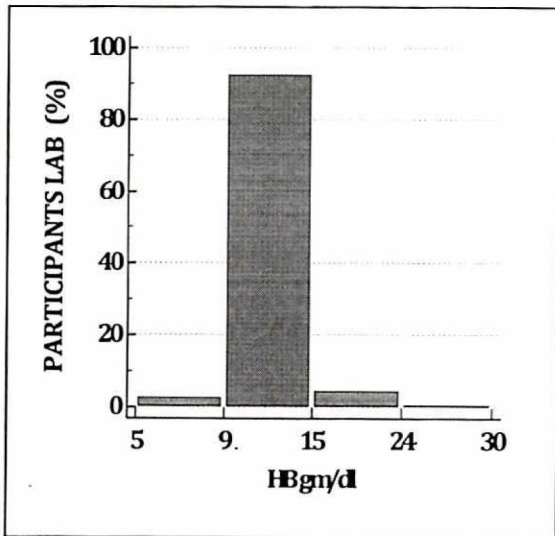
HEMATOLOGY

GRAPHICAL REPORT

Cycle - 12/2023

Round -2

Date: 29/04/2023





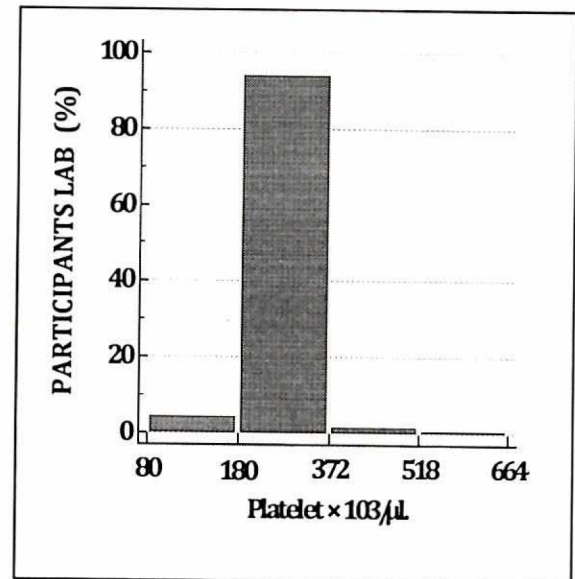
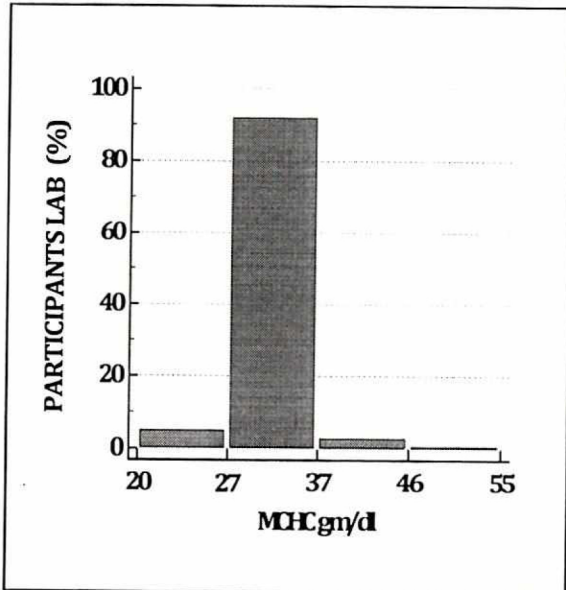
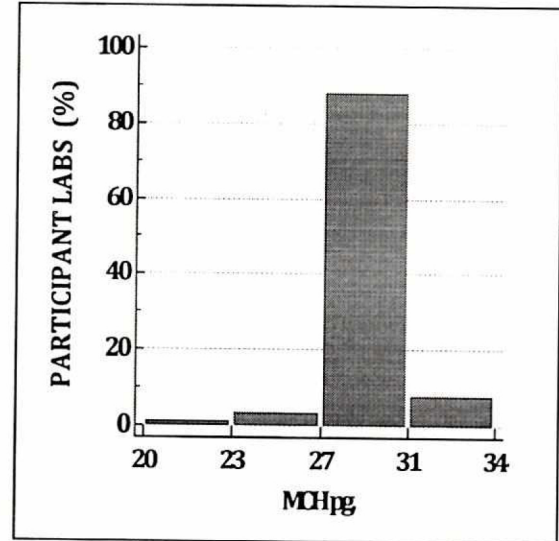
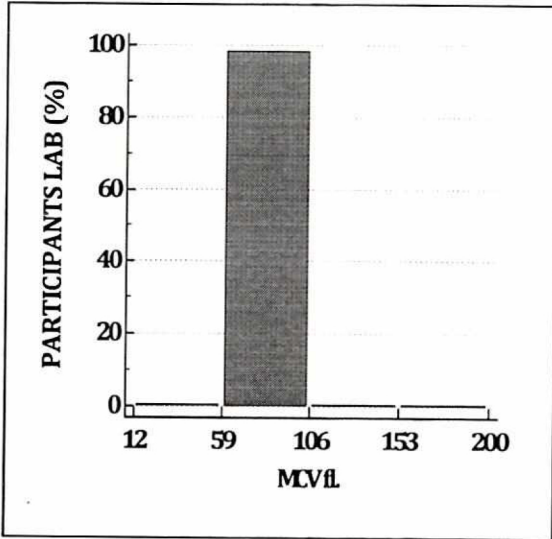
HEMATOLOGY

GRAPHICAL REPORT

Cycle - 12/2023

Round - 2

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Hematology

ALL PARTICIPANTS COMPLETE DATA REPORT

Cycle - 12/2023

Round No - 2

Date: 29/04/2023

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	328	282	38	231	13	38
WBC × 10 ³ /μl.	328	280	91	174	15	91
RBC × 10 ³ /μl.	328	281	49	205	27	49
HCT%	328	280	24	244	12	24
MCV fl.	328	280	3	268	9	3
MCH pg.	328	280	12	253	15	12
MCHC gm/dl	328	280	5	266	9	5
Platelet × 10 ³ /μl.	328	282	13	257	12	13

****End of Report****

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