



RML- Quality Assurance Program (RML-QAP)



HEMATOLOGY

ALL METHOD REPORT

Cycle-12/2023

Lab Code: 3136

Round -6

Date: 29/12/2023

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	332	11.3	0.4	0.02	10.6-12.0	10.6	-1.9
WBC $\times 10^3/\mu\text{l}$.	326	11.4	0.8	0.06	9.8-13.0	10.3	-1.3
RBC $\times 10^6/\mu\text{l}$.	330	3.9	0.1	0.01	3.6-4.2	3.75	-1.0
Hct%	330	33.6	2.2	0.15	29.2-38.0	32.4	-0.6
MCV fl.	330	87.0	4.8	0.33	77.4-96.6	86.5	-0.1
MCH pg.	330	29.1	0.8	0.06	27.5-30.7	28.2	-1.1
MCHC gm/dl	329	33.4	2.0	0.14	29.4-37.4	32.7	-0.3
Platelet $\times 10^3/\mu\text{l}$.	327	257.4	20.7	1.43	216.0-298.8	238	-0.9

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	B-02, Pro- 04, M-05, Meta-08, Stabs-40, P-30, L-06, E-01, Mono-03, Baso-01	M- 5.3-23.3, Meta- 4.8-17.0, Stabs- 4.7-19.5, P- 26.3-63.3, L- 3.1-11.3
Morphology	RBC-Normocytic Normochromic blood cells. WBC- Increased in count with predominance of Neutrophilic series and shift to left. Platelets- Adeqaute, No Hemoparasite seen.	Δ Normocytic/Normochromic (290/292) Δ Shift to Lift (188/292) Δ Leukocytosis (150/292) Δ Toxic Granules/Toxic Changes (61/292) Δ Neutrophilic Leucocytosis (55/292)
Diagnosis	Normocytic Normochromic Blood picture with Neutrophilic Leukocytosis	Leukemoid Reaction

Legends	(*) Excluded From Group Mean	{,} Not Reported	(#)Late Result Submission	(\$)Reported in other Unit
---------	------------------------------	------------------	---------------------------	----------------------------

Chief Coordinator

Dr. Sanjay Mehrotra

Programme Director

Dr. Bandana Mehrotra

End of Report

Page 1 of 5



Address: B-171, Nirala Nagar, Lucknow-226020. Ph.: 4034100-130 (30 Lines), 4077180, 2788444 Fax : (0522)2788555
Email: rmlresearchfoundation@gmail.com Website: www.rmlpathology.com

Continuous Efforts And Execution Leads To Quality Excellence



HEMATOLOGY

METHOD WISE REPORT

Cycle-12/2023

Round -6

Date: 29/12/2023

Lab Code: 3136

Note: Your Lab 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	189	11.3	0.3	0.03	10.6-12.0	-	-
WBC $\times 10^3/\mu\text{l}$.	Electrical impedance	171	11.3	0.7	0.07	9.9-12.8	-	-
RBC $\times 10^6/\mu\text{l}$.	Electrical impedance	189	3.9	0.1	0.01	3.6-4.1	-	-
Hct%	Calculated	186	33.6	2.1	0.20	29.3-37.9	-	-
MCV fl.	Calculated	129	86.0	4.3	0.48	77.3-94.6	-	-
MCH pg.	Calculated	193	29.2	0.7	0.06	27.7-30.6	-	-
MCHC gm/dl	Calculated	195	33.6	2.0	0.18	29.6-37.7	-	-
Platelet $\times 10^3/\mu\text{l}$.	Electrical impedance	184	256.4	19.0	1.75	218.5-294.4	-	-

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
---------	------------------------------	------------------	---------------------------	----------------------------

Chief Coordinator

Dr.Sanjay Mehrotra

Programme Director

Dr.Bandana Mehrotra

Checked By:

End of Report

Page 2 of 5

Prepared By: SV

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





RML- Quality Assurance Program (RML-QAP)



HEMATOLOGY

PEER GROUP REPORT

MINDRAY INSTRUMENTS- BC-20S/BC-700/760/BC-5000/BC-6000/6200/
BC-3000 plus/BC-5130/ BC-5180/BC-5100/5150/ BC-5140/BC-5300/ 5380

Cycle-12/2023

Lab Code: 3136

Round -6

Date: 29/12/2023

Complete Blood Count (CBC)

Parameters	Instrument Group	No.of Participants	Robust Mean	Robust Standard deviation (SD)	Uncertainty of Assign Values	Range (± 2 SD)	Your Value	Z Score
Hb gm/dl	MINDRAY	54	11.3	0.4	0.06	10.5-12.1	10.6	-1.9
WBC $\times 10^3/\mu\text{l}$.	MINDRAY	53	11.7	0.5	0.09	10.7-12.8	10.3	-2.8
RBC $\times 10^6/\mu\text{l}$.	MINDRAY	54	3.8	0.1	0.02	3.6-4.1	3.75	-0.5
Hct%	MINDRAY	54	34.6	1.3	0.22	32.0-37.2	32.4	-1.7
MCV fl.	MINDRAY	54	90.8	2.8	0.48	85.3-96.4	86.5	-1.5
MCH pg.	MINDRAY	54	29.3	0.9	0.15	27.6-31.0	28.2	-1.2
MCHC gm/dl	MINDRAY	54	32.2	1.5	0.26	29.2-35.2	32.7	0.3
Platelet $\times 10^3/\mu\text{l}$.	MINDRAY	54	248.8	16.8	2.86	215.3-282.3	238	-0.6

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
---------	------------------------------	------------------	---------------------------	----------------------------

Chief Coordinator

Dr. Sanjay Mehrotra

Checked By:

Programme Director

Dr. Bandana Mehrotra

****End of Report****

Doc. No.: ASS / FR / 06D / R 01 / Dt.: 15.12.2023



Address: B-171, Nirala Nagar, Lucknow-226020. Ph.: 4034100-130 (30 Lines), 4077180, 2788444 Fax : (0522)2788555
Email: rmlresearchfoundation@gmail.com Website: www.rmlpathology.com

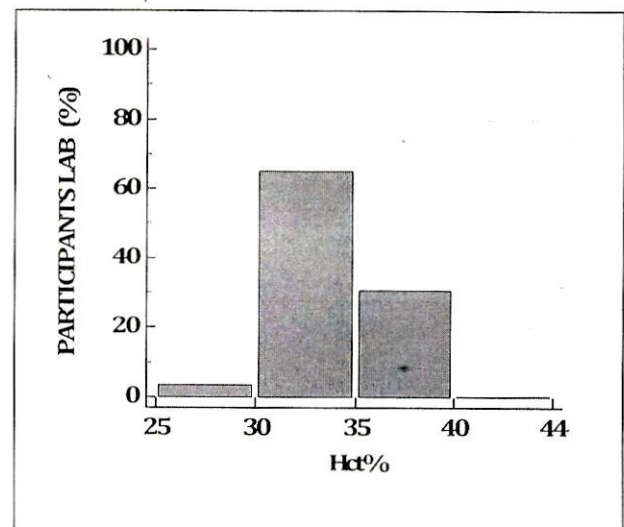
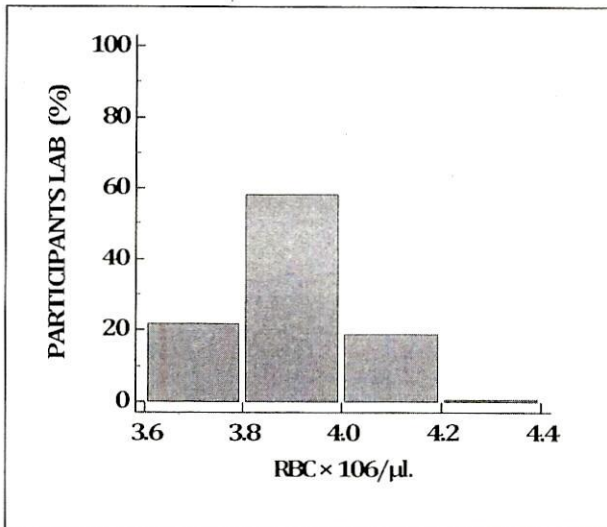
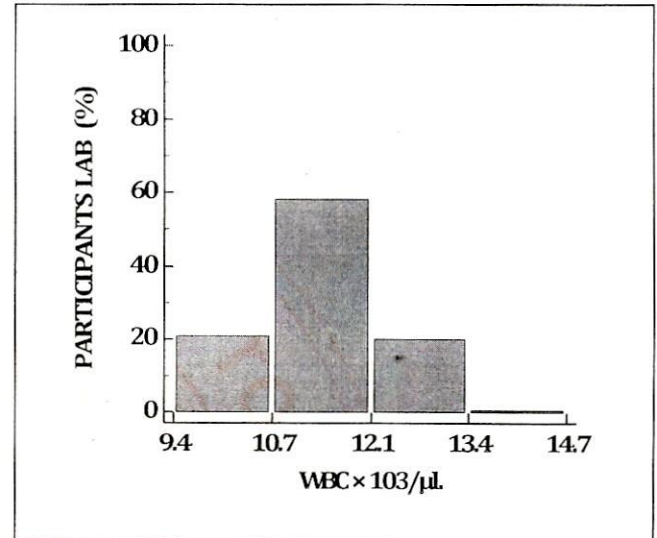
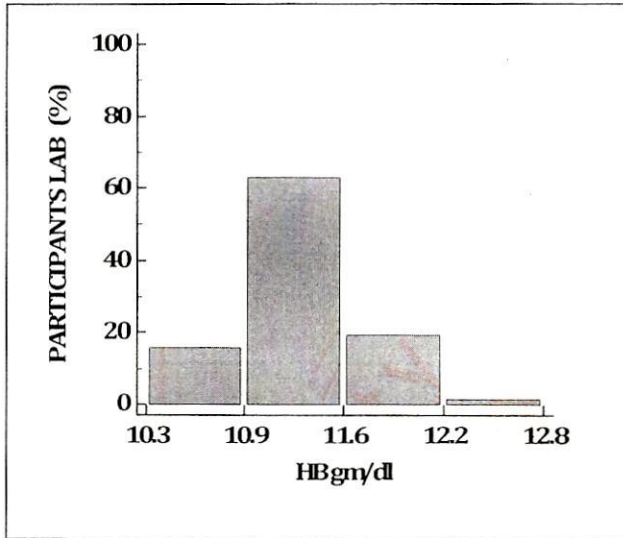
Continuous Efforts And Execution Leads To Quality Excellence

HEMATOLOGY

GRAPHICAL REPORT

Cycle - 12/2023
Round -6

Date: 29/12/2023



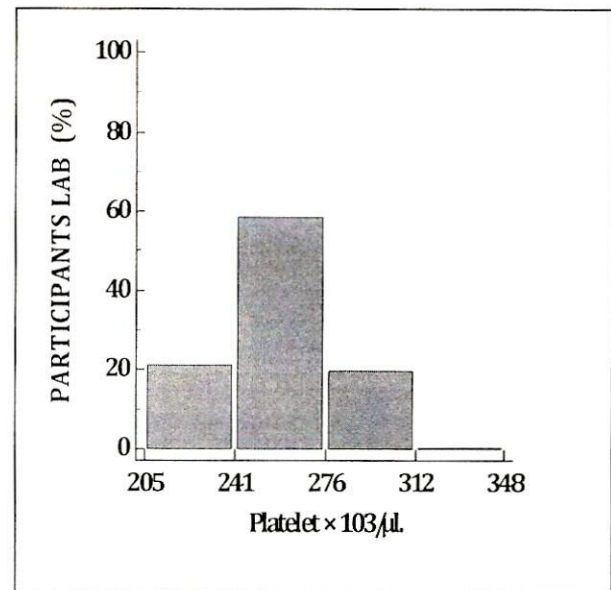
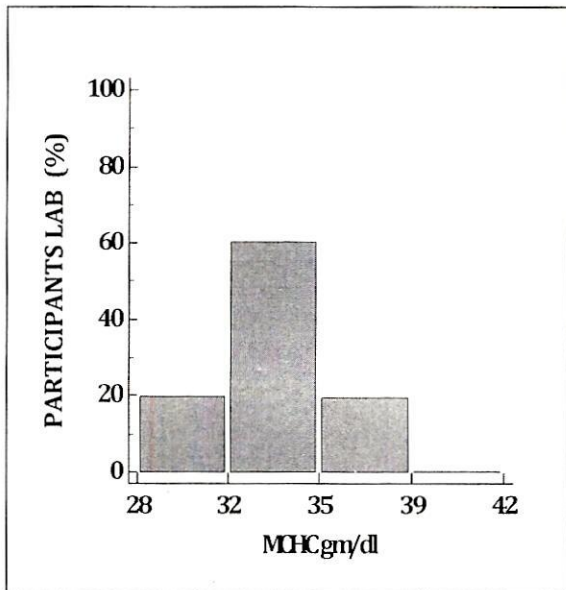
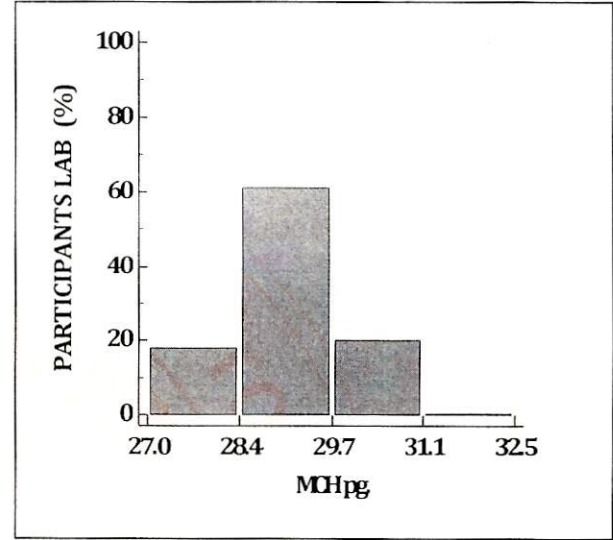
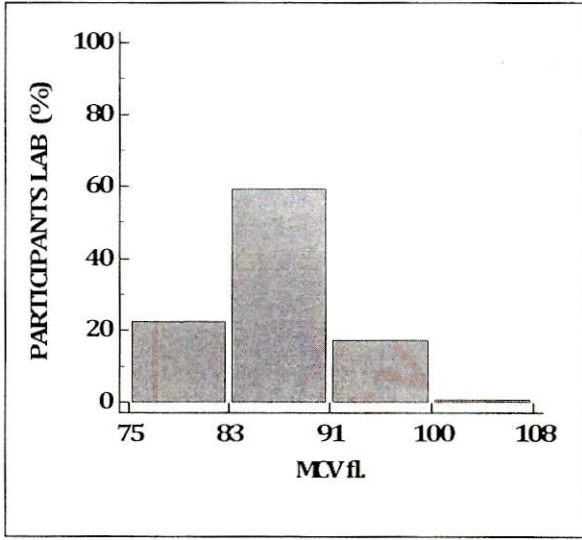


HEMATOLOGY

GRAPHICAL REPORT

Cycle - 12/2023
Round -6

Date: 29/12/2023





Hematology

ALL PARTICIPANTS COMPLETE DATA REPORT

Cycle - 12/2023

Round No - 6

Date: 29/12/2023

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	470	332	44	271	17	44
WBC × 10 ³ /μl.	470	326	112	198	16	112
RBC × 10 ³ /μl.	470	330	52	252	26	52
HCT%	470	330	33	283	14	33
MCV fl.	470	330	7	314	9	7
MCH pg.	470	330	22	293	15	22
MCHC gm/dl	470	329	11	303	15	11
Platelet × 10 ³ /μl.	470	327	26	290	11	26

****End of Report****

Page 5 of 5

Doc. No.: ASS / FR / 01 / R 00 / Dt.: 01.07.2012



Address: B-171, Nirala Nagar, Lucknow-226020. Ph.: 4034100-130 (30 Lines), 4077180, 2788444 Fax : (0522)2788555
Email: rmlresearchfoundation@gmail.com Website: www.rmlpathology.com