



## HEMATOLOGY

### ALL METHOD REPORT

Cycle-12/2023

Lab Code: 2735

Round -3

Date: 30/06/2023

#### Complete Blood Count (CBC)

Parameters	No.of Participants	Robust Mean	Robust Standard deviation (SD)	Uncertainty of Assign Values	Range ( $\pm 2$ SD)	Your Value	Z Score
Hb gm/dl	289	11.6	0.4	0.03	10.8-12.4	11.2	-1.0
WBC $\times 10^3/\mu\text{l}$ .	287	11.3	0.7	0.05	9.9-12.7	*7.5	-5.4
RBC $\times 10^6/\mu\text{l}$ .	287	4.0	0.1	0.01	3.8-4.2	3.85	-1.5
Hct%	286	35.1	2.4	0.18	30.4-39.8	31.1	-1.7
MCV fl.	286	86.9	4.9	0.36	77.1-96.7	80.8	-1.2
MCH pg.	286	28.9	1.0	0.07	26.9-31.0	29.1	0.2
MCHC gm/dl	286	33.1	2.1	0.16	28.9-37.3	36.0	1.4
Platelet $\times 10^3/\mu\text{l}$ .	287	263.1	19.3	1.42	224.6-301.6	278	0.8

#### 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

#### Peripheral Blood Smear(PBS):

	Your Result	Consensus Result
DLC	P-42, L-38, E-15, Mono-05	P-56.7-84.2, L-6.6-25.7, E-1.1-4.6, Mono- 1.1-4.5
Morphology	RBC-Normocytic Normochromic, Microcytic, Hypochromic, Anisocytosis. WBC- Leukocytosis, Eosinophilia, polymorphonuclear show shift to left, reactive Lymphocytes noted. Plt- Thrombocytosis, Platelets aggregates seen.	$\Delta$ Thrombocytosis (208/289) $\Delta$ Normocytic/ Normochromic (184/289) $\Delta$ Leukocytosis (173/289) $\Delta$ Microcytic/Microcytosis/Microcytes (126/289) $\Delta$ Hypochromia/Hypochromic (105/289).
Diagnosis	Leucocytosis with Eosinophilia, reactive Lymphocytosis and Thrombocytosis	Thrombocytosis/Thrombocythemia/ Essential Thrombocytosis

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

*Sanjay Mehrotra*  
Dr. Sanjay Mehrotra

Checked By:

Doc No: ASS/HR/007/R 01 / Dt: 05.01.2022

**\*\*End of Report\*\***

Programme Director

*Bandana Mehrotra*  
Dr. Bandana Mehrotra

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## HEMATOLOGY

### METHOD WISE REPORT

Cycle-12/2023

Round -3

Lab Code: 2735

Date: 30/06/2023

#### 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 ( $\pm 2$ SD)	Your Value	Method Wise Z Score
Hb gm/dl	Photometric	182	11.6	0.4	0.04	10.8-12.3	11.2	-1.0
WBC $\times 10^3/\mu\text{l}$ .	Electrical impedance	164	11.4	0.7	0.07	10.0-12.7	*7.5	-5.6
RBC $\times 10^6/\mu\text{l}$ .	Electrical impedance	182	4.0	0.1	0.01	3.8-4.24	3.85	-1.5
Hct%	Calculated	177	35.2	2.3	0.22	30.5-39.8	31.1	-1.8
MCV fl.	Calculated	122	86.8	5.5	0.62	75.9-97.8	80.8	-1.1
MCH pg.	Calculated	184	28.8	1.0	0.09	26.9-30.8	29.1	0.3
MCHC gm/dl	Calculated	187	33.1	2.1	0.19	29.0-37.3	36.0	1.4
Platelet $\times 10^3/\mu\text{l}$ .	Electrical impedance	177	263.3	18.7	1.76	225.8-300.8	278	0.8

#### 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: LG

Programme Director

Dr.Bandana Mehrotra

\*\*End of Report\*\*

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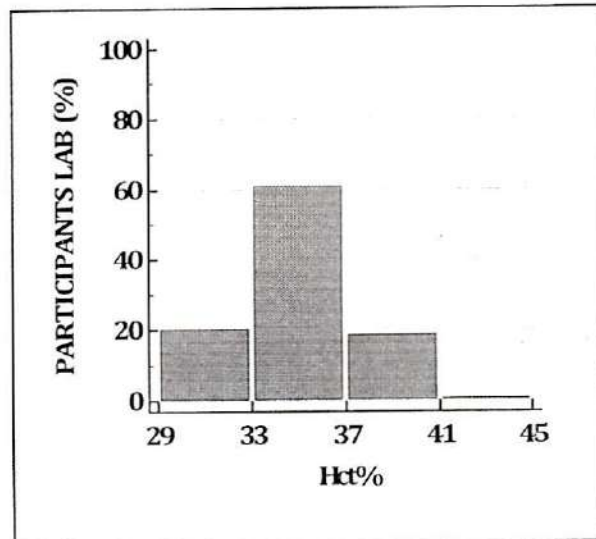
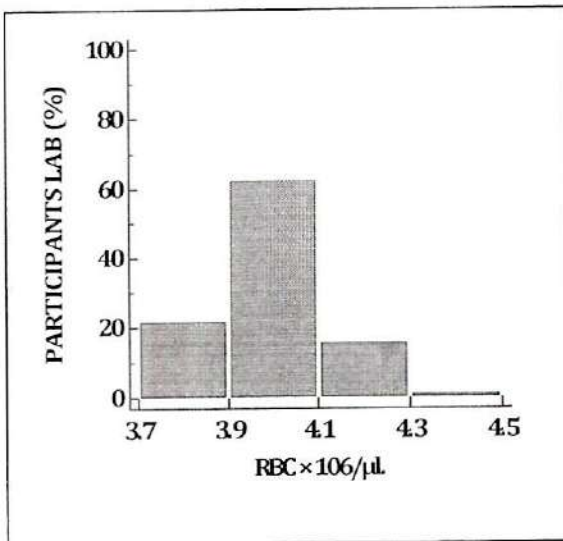
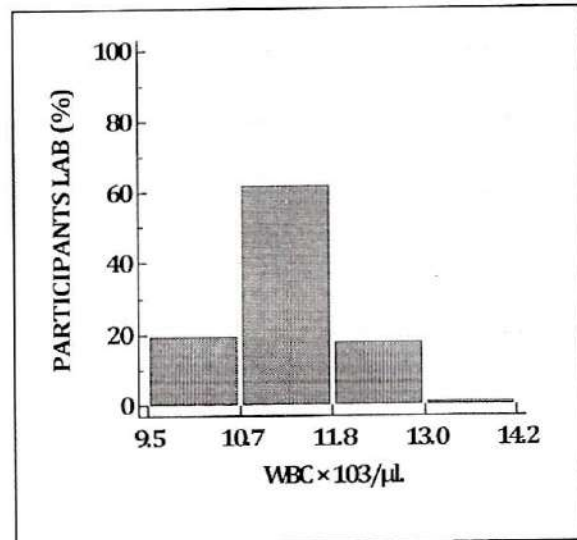
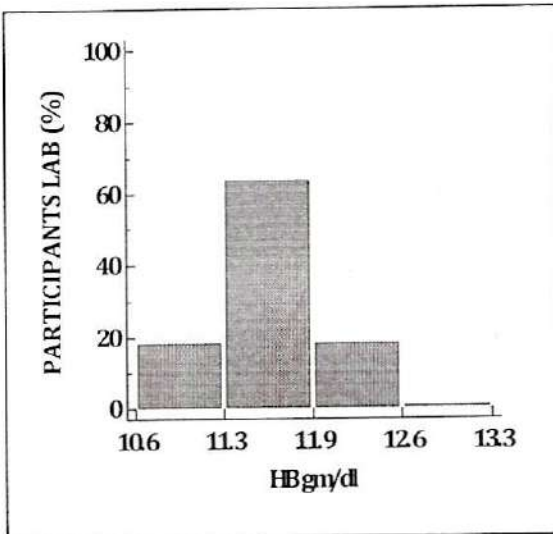


## HEMATOLOGY

### GRAPHICAL REPORT

Cycle - 12/2023  
Round - 3

Date: 30/06/2023



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# RML – Quality Assurance Program (RML – QAP)

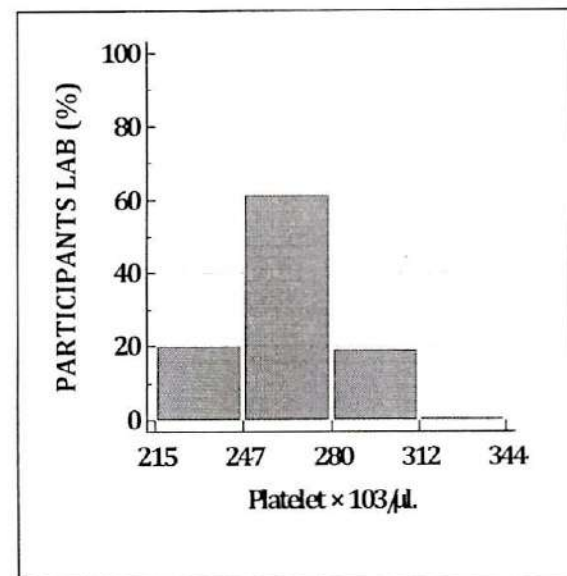
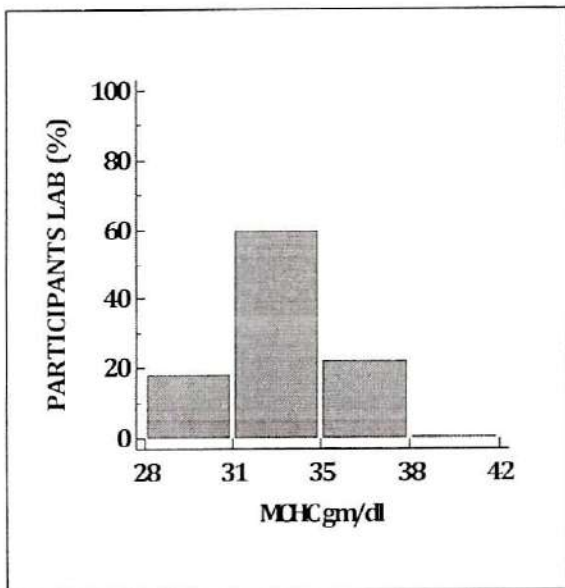
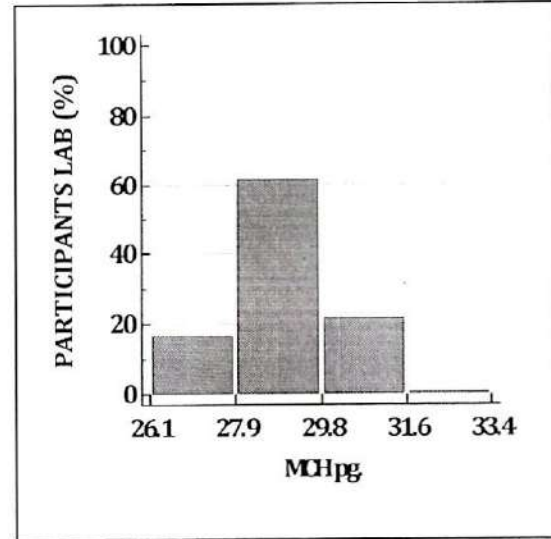
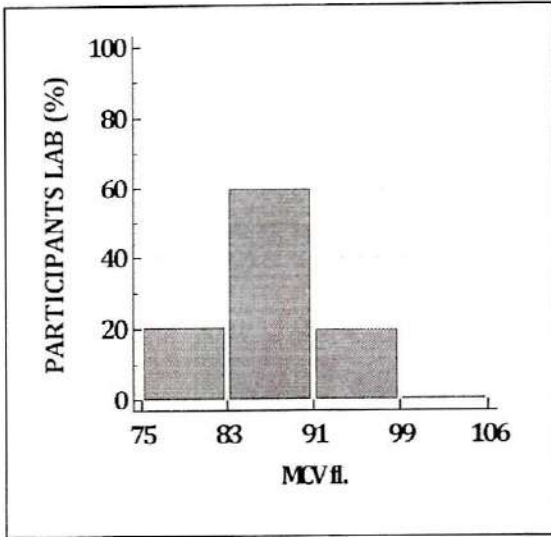


## HEMATOLOGY

### GRAPHICAL REPORT

Cycle - 12/2023  
Round -3

Date: 30/06/2023



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## Hematology

ALL PARTICIPANTS COMPLETE DATA REPORT

Cycle - 12/2023

Round No - 3

Date: 30/06/2023

**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	378	289	34	245	10	34
WBC $\times 10^3/\mu\text{l}$ .	378	287	94	180	13	94
RBC $\times 10^3/\mu\text{l}$ .	378	287	43	227	17	43
HCT%	378	286	19	255	12	19
MCV fl.	378	286	9	270	7	9
MCH pg.	378	286	13	256	17	13
MCHC gm/dl	378	286	10	263	13	10
Platelet $\times 10^3/\mu\text{l}$ .	378	287	20	247	20	20

**\*\*End of Report\*\***

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Address: B-171, Nirala Nagar, Lucknow - 226 020. Ph. : 4034100-130 (30 Lines), 4077180, 2788444 Fax :(0522)2788555

Email: [rmlresearchfoundation@gmail.com](mailto:rmlresearchfoundation@gmail.com) Website: [www.rmlpathology.com](http://www.rmlpathology.com)

Continuous Efforts And Execution Leads To Quality Excellence