



## HEMATOLOGY

### ALL METHOD REPORT

Cycle-11/2022

Round -6

Lab Code: 2615

Date: 20/10/2022

#### Complete Blood Count (CBC)

Parameters	No.of Participants	Group Mean	Standard deviation (SD)	Uncertainty of Assign Values	Range ( $\pm 2$ SD)	Your Value	Standard Deviation Index(SDI)
Hb gm/dl	236	11.4	0.4	0.03	10.7-12.2	12.0	1.5
WBC $\times 10^3/\mu\text{l}$ .	234	10.8	2.1	0.17	6.7-14.9	10.2	-0.3
RBC $\times 10^6/\mu\text{l}$ .	236	4.0	0.1	0.01	3.75-4.31	4.15	1.5
Hct%	236	35.4	2.3	0.19	30.8-40.0	34.3	-0.5
MCV fl.	236	87.5	4.4	0.36	78.6-96.4	82.7	-1.1
MCH pg.	236	28.3	0.9	0.07	26.5-30.1	29.0	0.8
MCHC gm/dl	236	32.4	2.0	0.16	28.4-36.4	35.0	1.3
Platelet $\times 10^3/\mu\text{l}$ .	236	273.3	22.5	1.83	228.2-318.3	303	1.3

#### Interpretation of SDI:

SDI Value(+/-)	0 - 0.5	0.6 - 0.9	1.0 - 2.0	2.1 - 2.9	$\geq 3$
Interpretation	Excellent Performance	Good Performance	Acceptable Performance	Marginal Performance Need Improvement	Unacceptable Performance Needs Urgent action

#### Peripheral Blood Smear(PBS):

	Your Result	Consensus Result
DLC	P-20, L-17, E-60, M-3	P-19.0-47.8 L-16.0-34.1 E-13.0-51.0 M-1.8-6.2
Morphology	RBCs are normocytic normochromic with few spur cells seen There is mild leukocytosis with marked eosinophilia Few eosinophilic precursors cells also seen Platelet count is mildly reduced, No hemoparasites seen	$\Delta$ Normocytic/ Normochromic (174/186) $\Delta$ Eosinophilia (161/186) $\Delta$ Thrombocytopenia (113/186) $\Delta$ Leukocytosis (98/186) $\Delta$ Giant platelets (73/186)
Diagnosis	Normocytic normochromic smear with eosinophilia	Eosinophilia/ Eosinophilic Leukocytosis

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

Dr. Sanjay Mehrotra

Prepared by: Ssh

Checked By: [Signature]

Programme Director

Dr. Bandana Mehrotra

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

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

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# RML – Quality Assurance Program (RML – QAP)



## HEMATOLOGY

### METHOD WISE REPORT

Cycle-11/2022

Round -6

Lab Code: 2615

Date: 20/10/2022

Note: @ parameter is not the part of Method Group

#### Complete Blood Count (CBC)

Parameters	Method Group	No.of Participants	Group Mean	Standard deviation (SD)	Uncertainty of Assign Values	Range (± 2 SD)	Your Value	Standard Deviation Index(SDI)
Hb gm/dl	Photometric	67	11.4	0.4	0.06	10.7-12.2	12.0	1.5
WBC × 10 <sup>3</sup> /μl.	Electrical impedance	82	11.6	1.3	0.18	9.0-14.2	10.2	-1.1
RBC × 10 <sup>6</sup> /μl.	Electrical impedance	93	4.1	0.2	0.03	3.7-4.4	4.15	0.3
Hct%	Calculated	49	35.8	2.6	0.46	30.6-41.1	34.3	-0.6
MCV fl. @	Electrical impedance	45	87.5	4.3	0.80	79.0-96.0	-	-
MCH pg.	Calculated	94	28.3	1.0	0.13	26.3-30.3	29.0	0.7
MCHC gm/dl	Calculated	100	32.3	2.0	0.25	28.3-36.3	35.0	1.4
Platelet × 10 <sup>3</sup> /μl.	Electrical impedance	91	274.1	23.0	3.01	228.1-320.1	303	1.3

#### Interpretation of SDI:

SDI Value(+/-)	0 - 0.5	0.6 - 0.9	1.0 - 2.0	2.1 - 2.9	≥ 3
Interpretation	Excellent Performance	Good Performance	Acceptable Performance	Marginal Performance Need Improvement	Unacceptable Performance Needs Urgent action

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: SSH

Programme Director

Dr.Bandana Mehrotra

\*\*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 Website: www.rmlpathology.com

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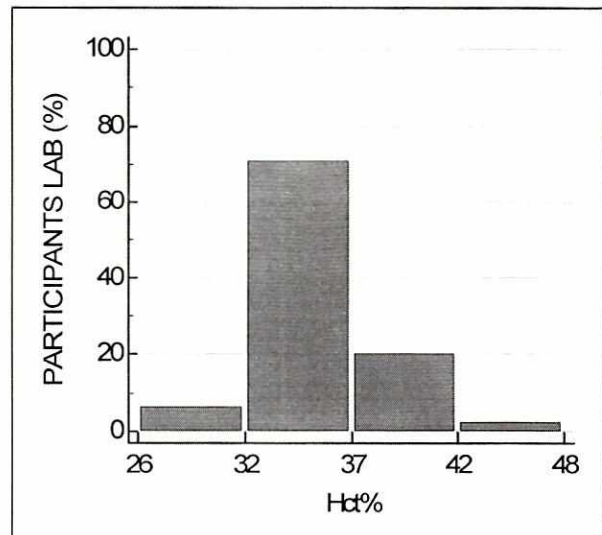
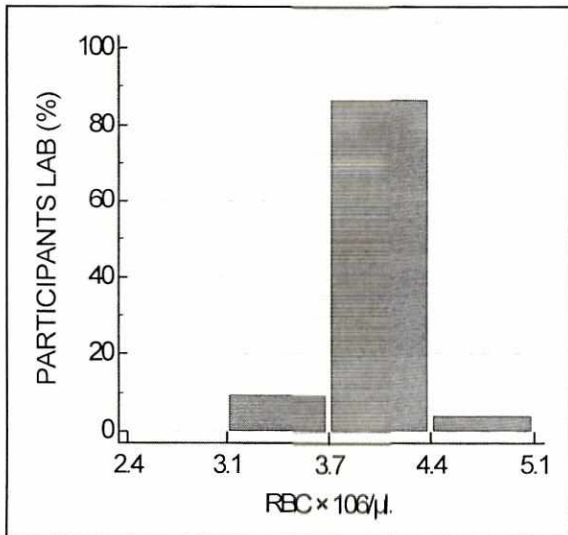
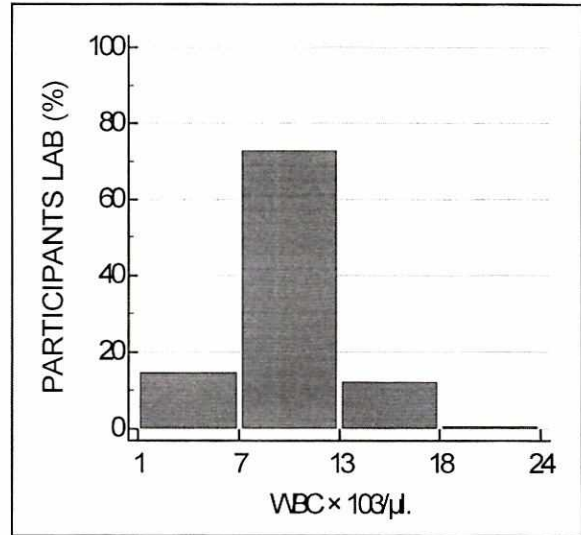
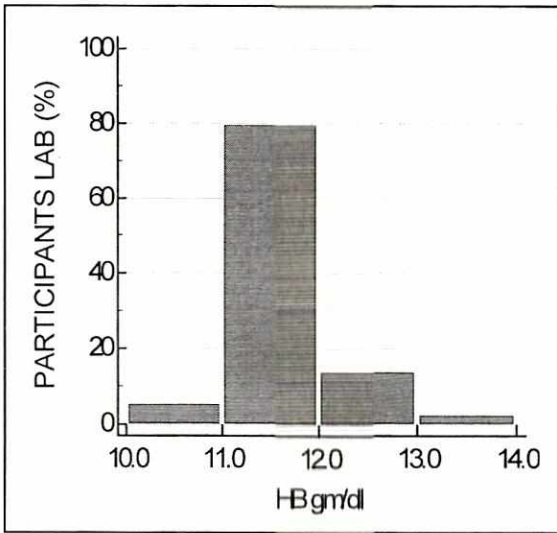
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GRAPHICAL REPORT

Cycle - 11/2022

Round -6

Date: 20/10/2022



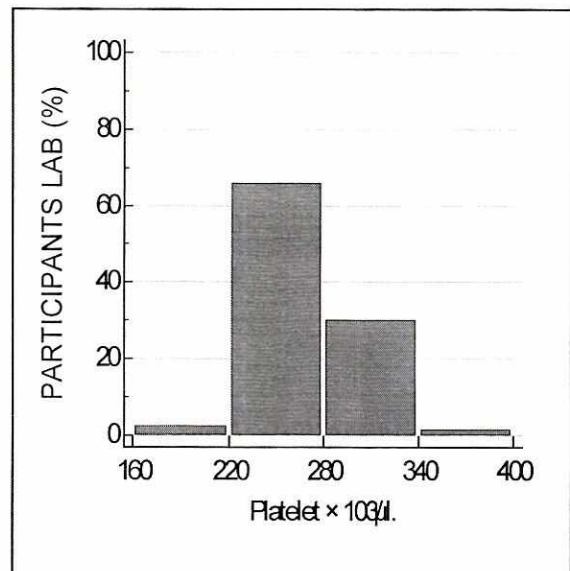
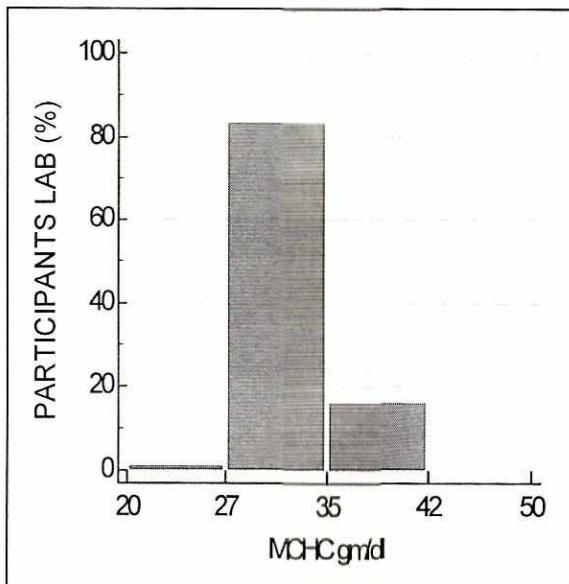
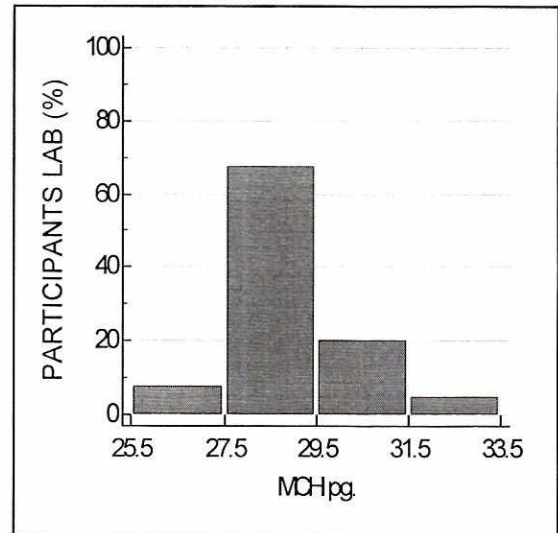
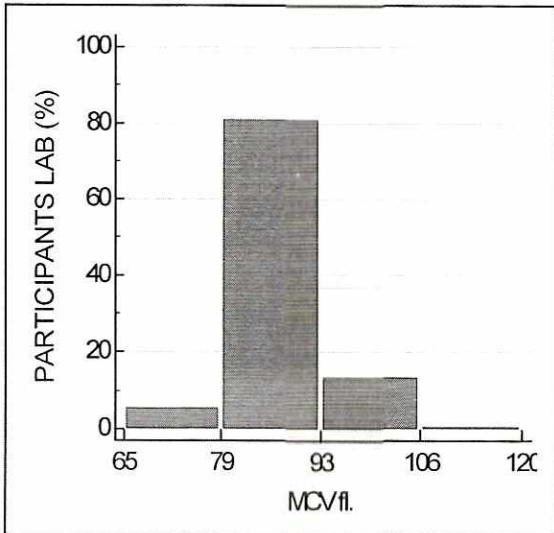
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GRAPHICAL REPORT

Cycle - 11/2022

Round -6

Date: 20/10/2022



## Hematology

### ALL PARTICIPANTS COMPLETE DATA REPORT

Cycle - 11/2022

Round No - 6

Date: 20/10/2022

**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 Group Mean	No. of Participants SDI b/w 0.0 - 2	No. of Participants SDI b/w 2.1 - 2.9	No. of Participants SDI >3
Hb gm/dl	271	236	11	205	8	23
WBC × 10 <sup>3</sup> /μl.	271	234	7	197	25	12
RBC × 10 <sup>3</sup> /μl.	271	236	14	181	31	24
HCT%	271	236	3	216	10	10
MCV fl.	271	236	2	227	6	3
MCH pg.	271	236	4	219	5	12
MCHC gm/dl	271	236	1	225	6	5
Platelet × 10 <sup>3</sup> /μl.	271	236	1	220	9	7

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

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