



# RML – Quality Assurance Program (RML – QAP)



## HEMATOLOGY

### ALL METHOD REPORT

Cycle-11/2022

Round -5

Lab Code: 2495

Date: 07/09/2022

#### 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	210	11.6	0.5	0.04	10.5-12.6	11.8	0.4
WBC $\times 10^3/\mu\text{l}$ .	209	10.6	2.6	0.22	5.5-15.8	12.6	0.8
RBC $\times 10^6/\mu\text{l}$ .	209	4.0	0.2	0.02	3.67-4.39	4.16	0.8
Hct%	208	35.3	2.4	0.21	30.5-40.1	36.8	0.6
MCV fl.	209	87.7	4.7	0.41	78.2-97.1	88.4	0.1
MCH pg.	209	28.8	1.1	0.10	26.5-31.0	28.5	-0.3
MCHC gm/dl	209	32.8	2.0	0.17	28.8-36.8	32.2	-0.3
Platelet $\times 10^3/\mu\text{l}$ .	209	268.6	23.2	2.01	222.1-315.0	273	0.2

#### 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-58, L-34, E-6, M-2	P-61.0-76.8 L-16.8-30.7 E-1.0-4.4 M-1.5-4.6
Morphology	RBC series shows predominantly microcytic hypochromic blood picture with mild anisocytosis Few polychromatic RBCs tear drop and target cells seen No hemoparasites seen WBC normal count and morphology Platelet adequate	$\Delta$ Microcytic/ Microcytosis (140/155) $\Delta$ Hypochromic/Hypochromia (133/155) $\Delta$ Anisocytosis (108/155) $\Delta$ Poikilocytosis (87/155) $\Delta$ Thrombocytopenia (65/155)
Diagnosis	Microcytic Anemia	Microcytic Hypochromic Anemia/ Dimorphic Anemia/ Nutritional Deficiency Anemia/ Iron Deficiency Anemia

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-11/2022

Round -5

Lab Code: 2495

Date: 07/09/2022

Note: Your lab 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 ( $\pm 2$ SD)	Your Value	Standard Deviation Index(SDI)
Hb gm/dl	Photometric	64	11.5	0.5	0.08	10.4-12.6	-	-
WBC $\times 10^3/\mu\text{l}$ .	Electrical impedance	70	10.8	2.0	0.30	6.7-14.8	-	-
RBC $\times 10^6/\mu\text{l}$ .	Electrical impedance	81	4.0	0.2	0.03	3.7-4.4	-	-
Hct%	Calculated	39	35.4	1.7	0.34	31.9-38.8	-	-
MCV fl.	Electrical impedance	45	87.2	4.8	0.89	77.7-96.8	-	-
MCH pg.	Calculated	83	28.7	1.1	0.15	26.5-31.0	-	-
MCHC gm/dl	Calculated	87	32.8	1.9	0.25	28.9-36.6	-	-
Platelet $\times 10^3/\mu\text{l}$ .	Electrical impedance	79	265.8	22.2	3.12	221.4-310.2	-	-

#### 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

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

Programme Director

Dr.Sanjay Mehrotra

Dr.Bandana Mehrotra

Checked By:

\*\*End of Report\*\*

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Prepared By: SSh

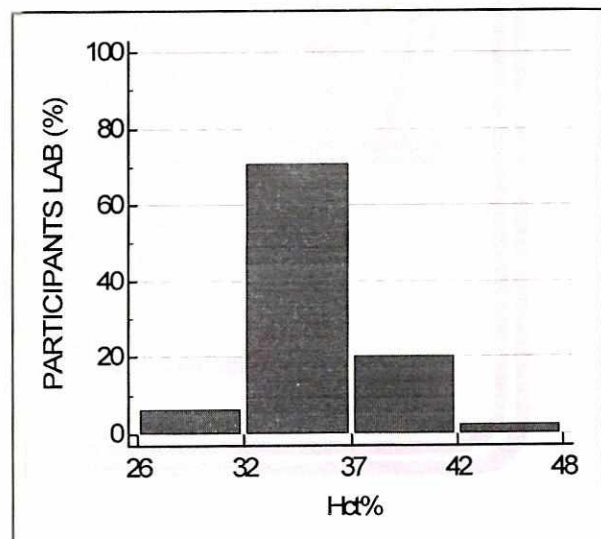
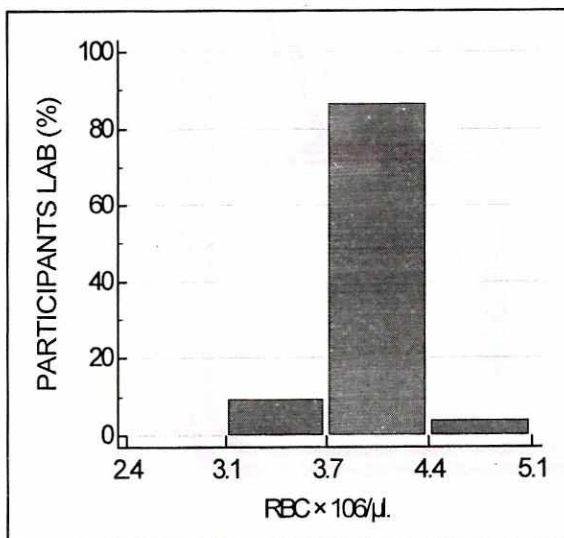
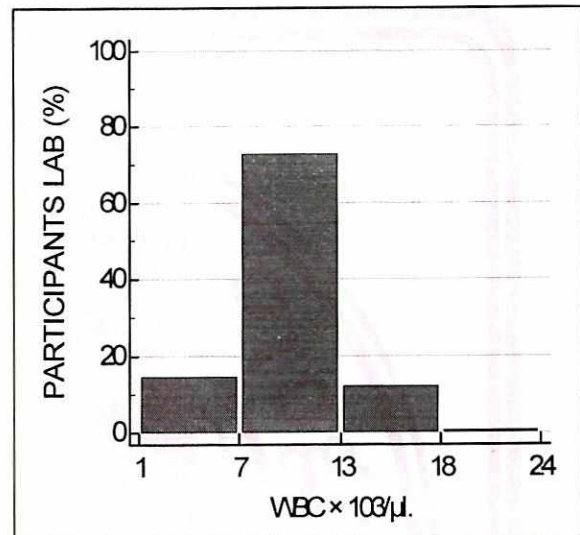
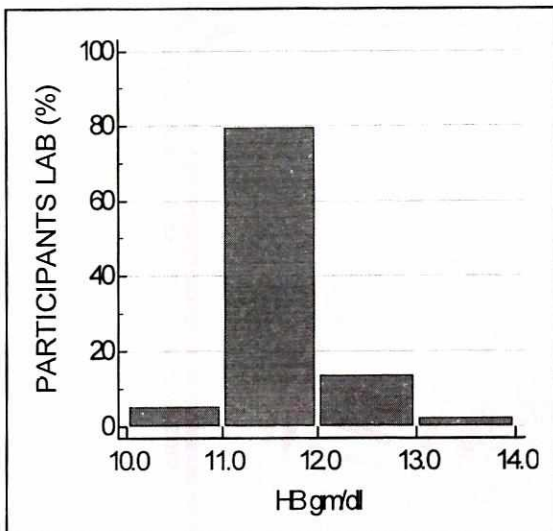


## HEMATOLOGY

### GRAPHICAL REPORT

Cycle - 11/2022  
Round - 5

Date: 07/09/2022

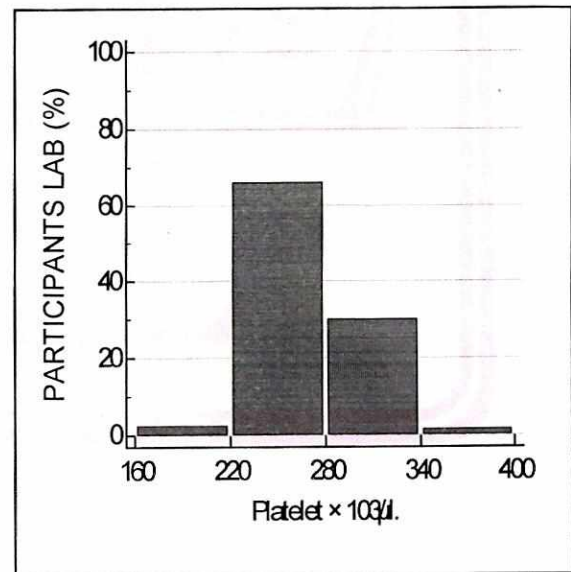
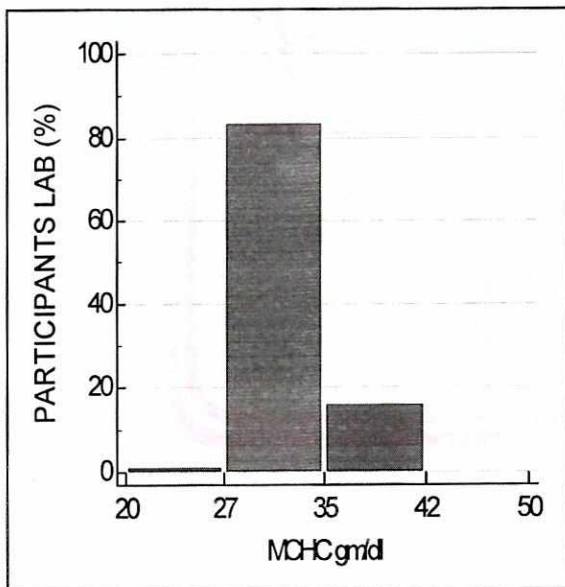
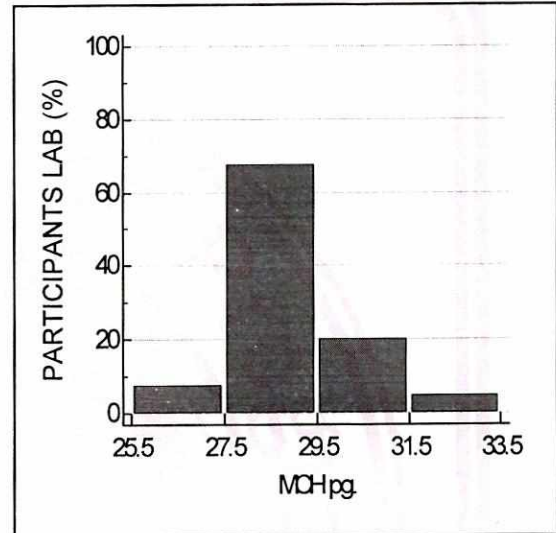
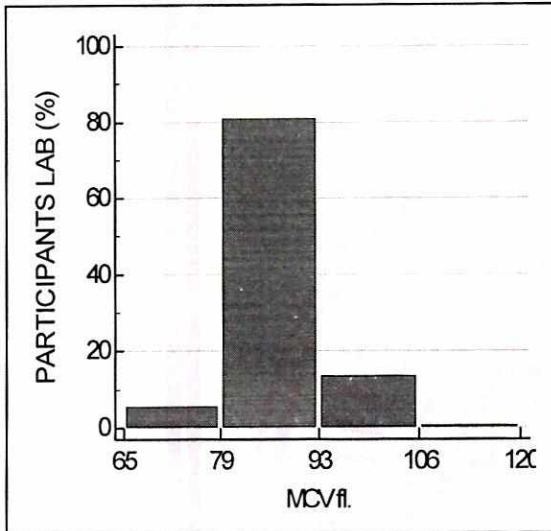


## HEMATOLOGY

### GRAPHICAL REPORT

Cycle - 11/2022  
Round -5

Date: 07/09/2022



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## Hematology

### ALL PARTICIPANTS COMPLETE DATA REPORT

Cycle - 11/2022

Round No - 5

Date: 07/09/2022

**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	252	210	10	168	16	26
WBC $\times 10^3/\mu\text{l}$ .	252	209	10	193	5	11
RBC $\times 10^3/\mu\text{l}$ .	252	209	5	185	10	14
HCT%	252	208	5	184	12	12
MCV fl.	252	209	1	192	14	3
MCH pg.	252	209	3	189	8	12
MCHC gm/dl	252	209	2	196	7	6
Platelet $\times 10^3/\mu\text{l}$ .	252	209	5	180	13	16

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

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