



# RML – Quality Assurance Program (RML – QAP)



## HEMATOLOGY

### ALL METHOD REPORT

Cycle-11/2022

Round -6

Lab Code: 2445

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	11.6	0.5
WBC $\times 10^3/\mu\text{l}$ .	234	10.8	2.1	0.17	6.7-14.9	6.4	-2.1
RBC $\times 10^6/\mu\text{l}$ .	236	4.0	0.1	0.01	3.75-4.31	4.05	0.5
Hct%	236	35.4	2.3	0.19	30.8-40.0	32.8	-1.1
MCV fl.	236	87.5	4.4	0.36	78.6-96.4	81.0	-1.5
MCH pg.	236	28.3	0.9	0.07	26.5-30.1	*21.2	-7.9
MCHC gm/dl	236	32.4	2.0	0.16	28.4-36.4	26.2	-3.1
Platelet $\times 10^3/\mu\text{l}$ .	236	273.3	22.5	1.83	228.2-318.3	339	2.9

#### 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	S-2, P-28, L-24, E-40, M-6	P-19.0-47.8 L-16.0-34.1 E-13.0-51.0 M-1.8-6.2
Morphology	RBC- normocytic normochromic WBC- Eosinophilic Leucocytosis Plt- count lower than normal No hemoparasite No abnormal cells	$\Delta$ Normocytic/ Normochromic (174/186) $\Delta$ Eosinophilia (161/186) $\Delta$ Thrombocytopenia (113/186) $\Delta$ Leukocytosis (98/186) $\Delta$ Giant platelets (73/186)
Diagnosis	Eosinophilic leukocytosis with mild thrombocytopenia Parasitic infestation	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:

Programme Director

Dr. Bandana Mehrotra

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

\*\*End of Report\*\*

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## HEMATOLOGY METHOD WISE REPORT

Cycle-11/2022  
Round -6

Lab Code: 2445

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 ( $\pm 2$ SD)	Your Value	Standard Deviation Index(SDI)
Hb gm/dl	Photometric	67	11.4	0.4	0.06	10.7-12.2	11.6	0.5
WBC $\times 10^3/\mu\text{l}$ . @	Electrical impedance	82	11.6	1.3	0.18	9.0-14.2	-	-
RBC $\times 10^6/\mu\text{l}$ . @	Electrical impedance	93	4.1	0.2	0.03	3.7-4.4	-	-
Hct% @	Calculated	49	35.8	2.6	0.46	30.6-41.1	-	-
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	-	-
MCHC gm/dl	Calculated	100	32.3	2.0	0.25	28.3-36.3	26.2	-3.1
Platelet $\times 10^3/\mu\text{l}$ . @	Electrical impedance	91	274.1	23.0	3.01	228.1-320.1	-	-

### 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

Dr.Sanjay Mehrotra

Checked By:

Prepared By: SSH

Programme Director

Dr.Bandana Mehrotra

\*\*End of Report\*\*

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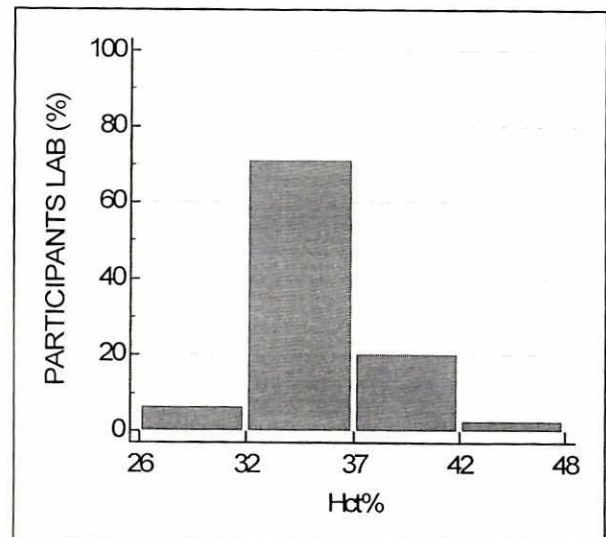
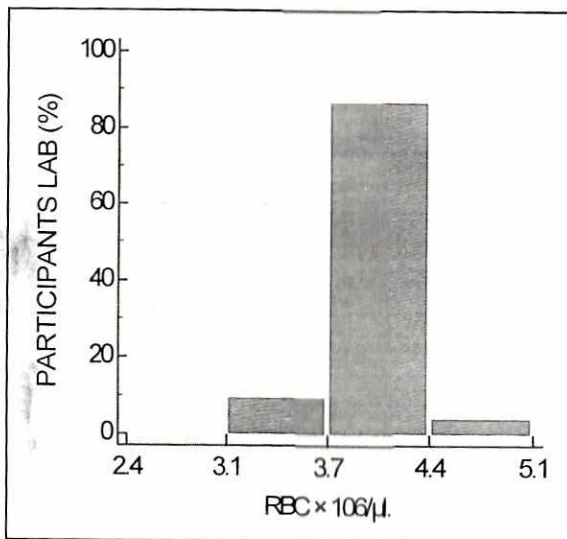
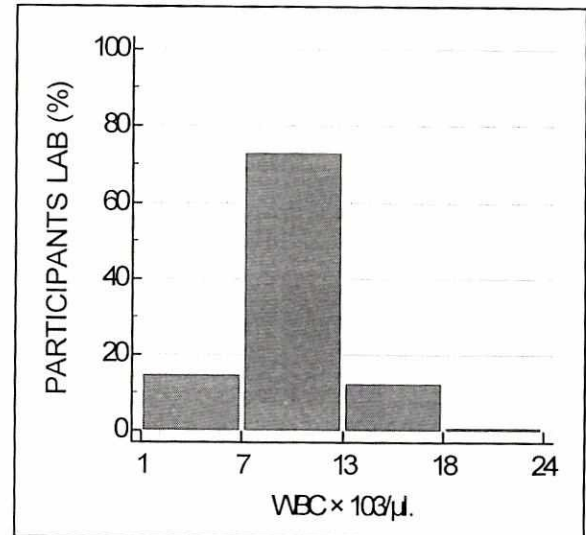
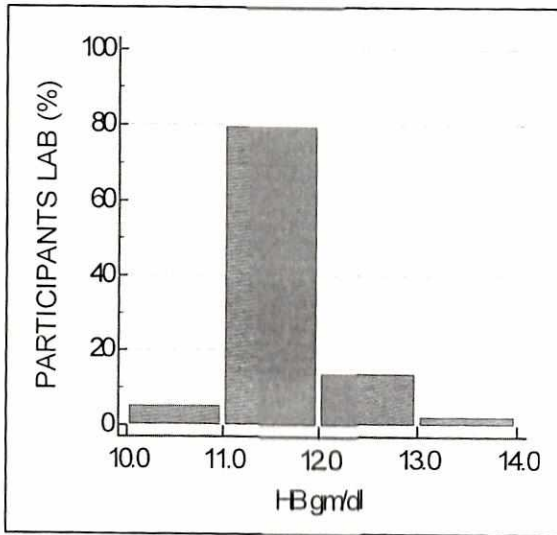
HEMATOLOGY

GRAPHICAL REPORT

Cycle - 11/2022

Round -6

Date: 20/10/2022





# RML - Quality Assurance Program (RML - QAP)

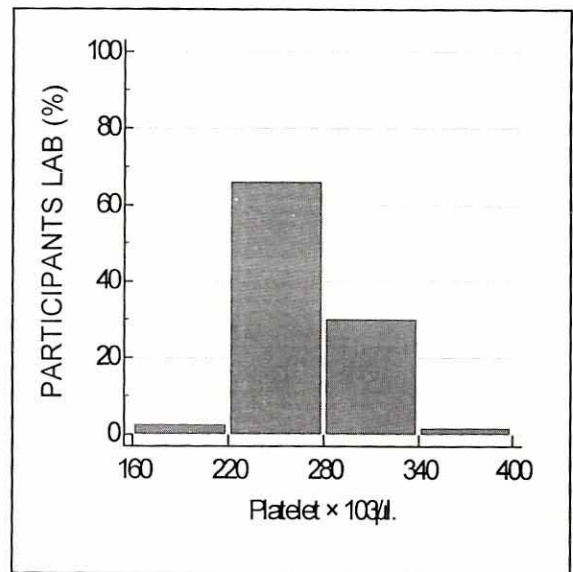
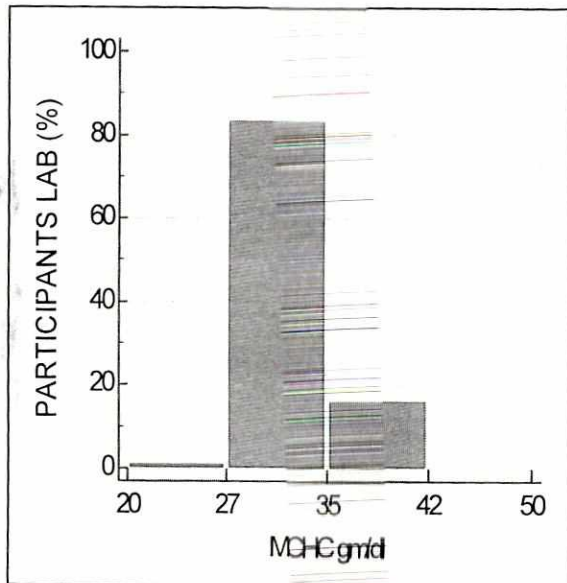
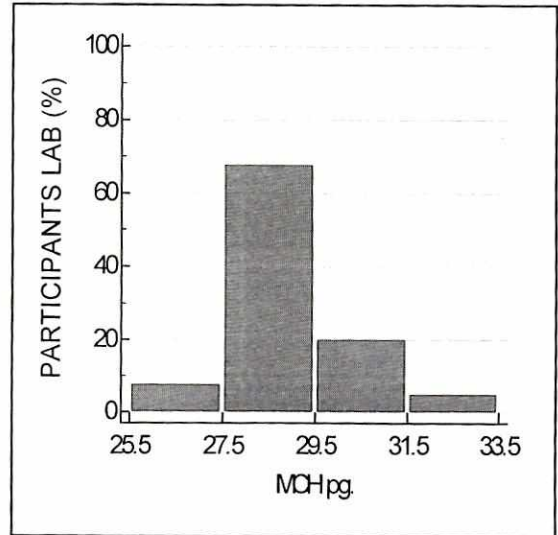
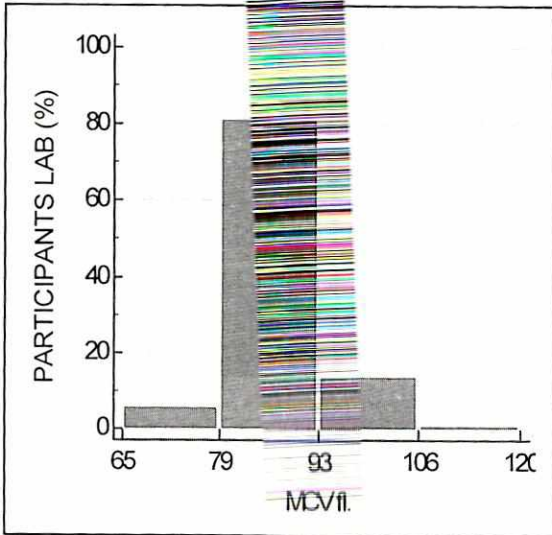


## HEMATOLOGY

### GRAPHICAL REPORT

Cycle - 11/2022  
Round -6

Date: 20/10/2022



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## 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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