



# RML – Quality Assurance Program (RML – QAP)



## HEMATOLOGY METHOD WISE REPORT

Cycle-11/2022  
Round -3

Date: 25/05/2022

Lab Code: 2472

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	51	11.6	0.3	0.05	11.1-12.1	11.5	-0.3
WBC $\times 10^3/\mu\text{l}$ .	Electrical impedance	55	10.8	1.8	0.30	7.2-14.5	12.1	0.7
RBC $\times 10^6/\mu\text{l}$ .	Electrical impedance	65	4.0	0.1	0.02	3.7-4.2	4.00	0.0
Hct%	Calculated	29	35.6	1.8	0.42	32.0-39.2	34.0	-0.9
MCV fl. @	Electrical impedance	39	89.3	4.1	0.82	81.2-97.4	-	-
MCH pg.	Calculated	67	28.8	0.6	0.09	27.6-30.0	28.7	-0.2
MCHC gm/dl	Calculated	70	32.7	2.1	0.31	28.5-36.9	33.8	0.5
Platelet $\times 10^3/\mu\text{l}$ .	Electrical impedance	63	253.1	19.4	3.06	214.4-291.8	243	-0.5

### 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

Programme Director

Dr.Bandana Mehrotra

Checked By:

\*\*End of Report\*\*

Page 2 of 5

Prepared By: SS

Result found satisfactory



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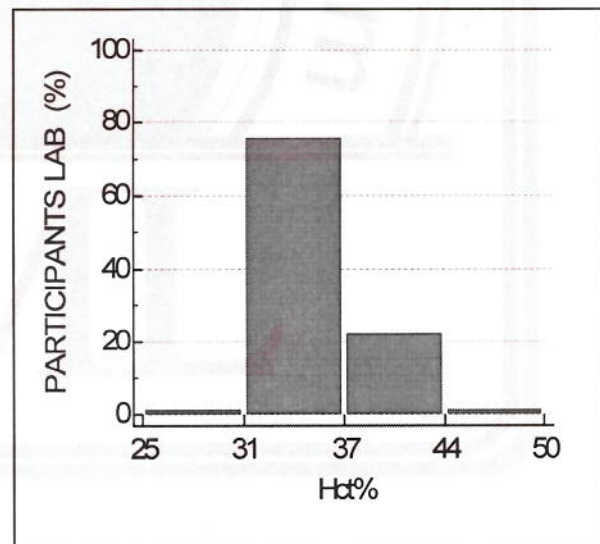
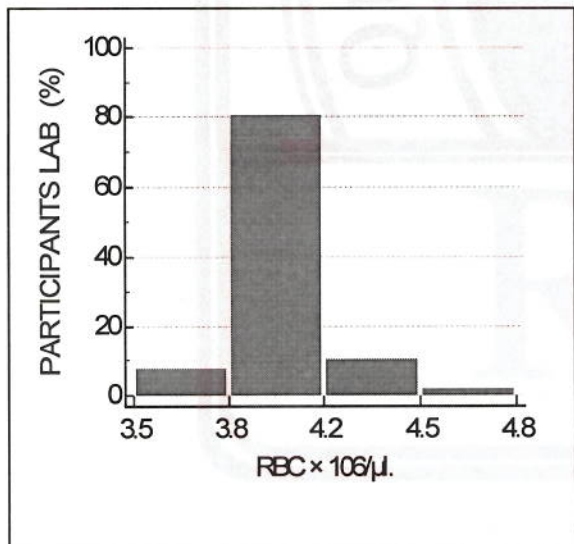
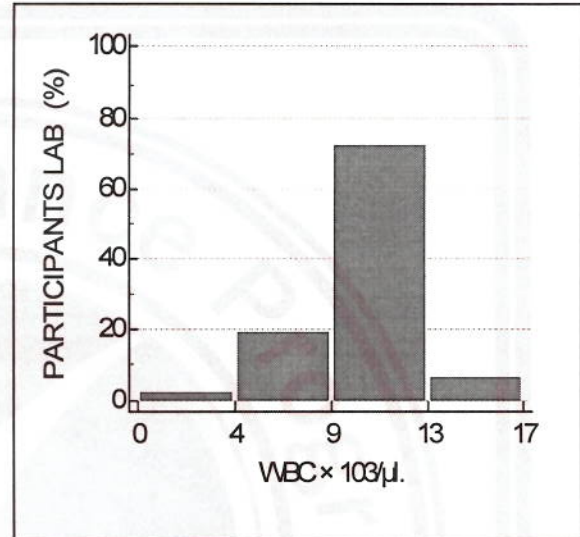
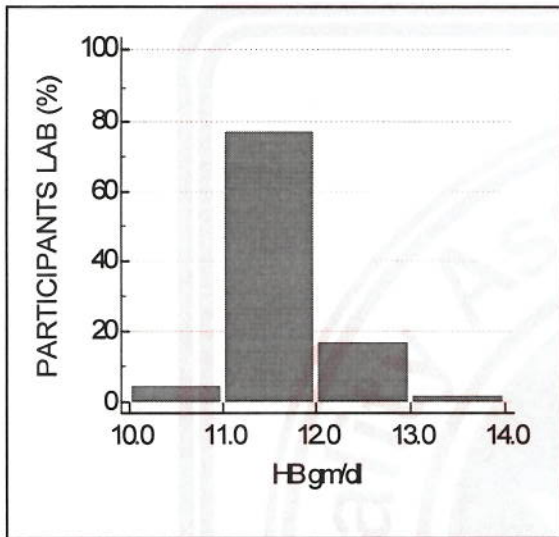
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## HEMATOLOGY

### GRAPHICAL REPORT

Cycle - 11/2022  
Round -3

Date: 25/05/2022





## Hematology

### ALL PARTICIPANTS COMPLETE DATA REPORT

Cycle - 11/2022  
Round No - 3

Date: 25/05/2022

**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	193	169	12	137	13	19
WBC × 10 <sup>3</sup> /μl.	193	169	10	133	21	15
RBC × 10 <sup>3</sup> /μl.	193	168	12	138	8	22
HCT%	193	167	7	149	8	10
MCV fl.	193	168	3	159	5	4
MCH pg.	193	168	5	149	9	10
MCHC gm/dl	193	168	2	156	5	7
Platelet × 10 <sup>3</sup> /μl.	193	168	3	149	10	9

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

Page 5 of 5

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



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## HEMATOLOGY

### ALL METHOD REPORT

Cycle-11/2022

Round -3

Lab Code: 2472

Date: 25/05/2022

#### 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	169	11.6	0.4	0.04	10.8-12.4	11.5	-0.2
WBC $\times 10^3/\mu\text{l}$ .	169	10.7	2.0	0.19	6.8-14.6	12.1	0.7
RBC $\times 10^6/\mu\text{l}$ .	168	4.0	0.1	0.01	3.76-4.24	4.00	0.0
Hct%	167	35.7	2.3	0.22	31.1-40.3	34.0	-0.7
MCV fl.	168	89.3	4.6	0.44	80.1-98.5	85.0	-0.9
MCH pg.	168	29.1	0.9	0.09	27.3-31.0	28.7	-0.4
MCHC gm/dl	168	32.7	2.1	0.20	28.5-36.8	33.8	0.5
Platelet $\times 10^3/\mu\text{l}$ .	168	252.8	21.0	2.03	210.8-294.8	243	-0.5

#### 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-55, L-34, E-5, M-6	P-61.5-74.4, L-19.3-31.6 Pmyelo-23.4-70.7
Morphology	Normochromic Normocytic RBCs, Platelets are highly increased on smear	$\Delta$ Thrombocytosis (125/134) $\Delta$ Normocytic/ Normochromic (122/134) $\Delta$ Hypersegmented Neutrophils (43/134) $\Delta$ Giant Platelets (34/134) $\Delta$ Anisocytosis (25/134)
Diagnosis	Thrombocytosis? Thrombocythemia	Thrombocytosis/ Essential Thrombocythemia/ Myeloproliferative Neoplasm(MPN)/ Reactive Thrombocytosis/ Essential Thrombocytosis

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\*\*

Page 1 of 5



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