



# RML – Quality Assurance Program (RML – QAP)



## HEMATOLOGY ALL METHOD REPORT

Lab Code: 2724

Cycle-12/2023  
Round -2

Date: 29/04/2023

### 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	282	12.0	0.4	0.03	11.3-12.8	12.9	2.3
WBC $\times 10^3/\mu\text{l}$	280	10.6	0.7	0.05	9.2-12.0	11.3	1.2
RBC $\times 10^6/\mu\text{l}$	281	4.1	0.1	0.01	3.9-4.3	4.39	2.9
Hct%	280	36.5	2.6	0.19	31.2-41.8	39.6	1.2
MCV fl.	280	88.4	5.0	0.37	78.4-98.4	90.2	0.4
MCH pg.	280	29.2	0.9	0.07	27.4-31.0	29.4	0.2
MCHC gm/dl	280	32.9	2.1	0.16	28.7-37.1	32.6	-0.1
Platelet $\times 10^3/\mu\text{l}$	282	272.0	21.4	1.59	229.2-314.8	287.0	0.7

### 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-90, L-06, E-01, Mono-03	P-73.8-89.2, L-6.4-15.7, Prom-1.5-20.4, S-1.3-8.8
Morphology	RBC- Predominantly normocytic Hypochromic cells few microcytic Hypochromic cells noted. WBC- Total count is increased, DLC shows Neutrophilia with toxic granules. Platelets- Adequate	$\Delta$ Neutrophilia (250/254) $\Delta$ Leukocytosis (245/254) $\Delta$ Normocytic/ Normochromic (179/254) $\Delta$ Hypochromia/Hypochromic (137/254) $\Delta$ Microcytic/ Microcytosis/ Microcytes (130/254)
Diagnosis	Normocytic hypochromic anemia with neutrophilic leucocytosis	Neutrophilic Leukocytosis with Anemia/ Neutrophilia/ Leucocytosis

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

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

Programme Director

Dr. Bandana Mehrotra

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## HEMATOLOGY METHOD WISE REPORT

Cycle-12/2023  
Round -2

Date: 29/04/2023

Lab Code: 2724

Note: @ parameter is not the part of this Method Group

### 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	190	12.0	0.3	0.03	11.4-12.6	-	-
WBC $\times 10^3/\mu\text{l}$ .	Electrical impedance	172	10.6	0.7	0.07	9.2-12.0	11.3	1.2
RBC $\times 10^6/\mu\text{l}$ .	Electrical impedance	191	4.1	0.1	0.01	3.9-4.3	4.39	2.9
Hct%	Calculated	184	36.6	2.6	0.24	31.5-41.8	39.6	1.2
MCV fl. @	Calculated	131	88.6	5.4	0.59	77.9-99.3	-	-
MCH pg.	Calculated	194	29.1	0.9	0.08	27.3-30.8	29.4	0.3
MCHC gm/dl	Calculated	196	32.7	2.1	0.19	28.5-36.8	32.6	0.0
Platelet $\times 10^3/\mu\text{l}$ .	Electrical impedance	187	272.5	20.7	1.89	231.1-313.9	287	0.7

### 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: PS

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

Programme Director

Dr. Bandana Mehrotra

\*\*End of Report\*\*

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# RML – Quality Assurance Program (RML – QAP)

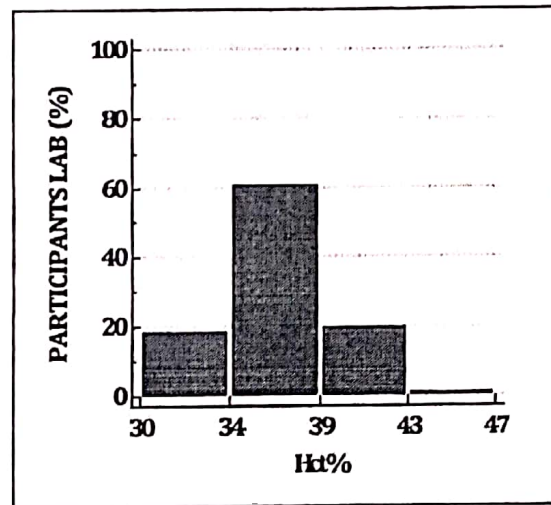
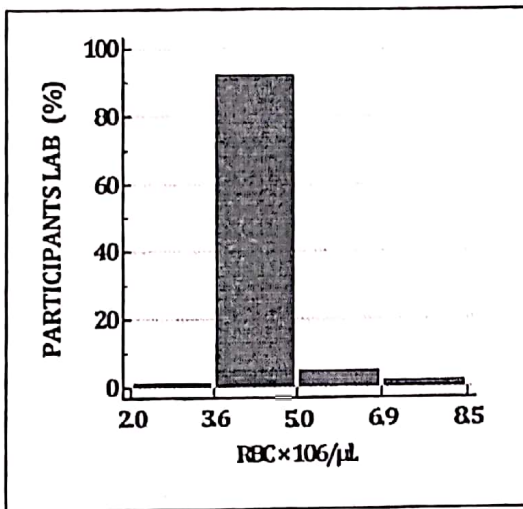
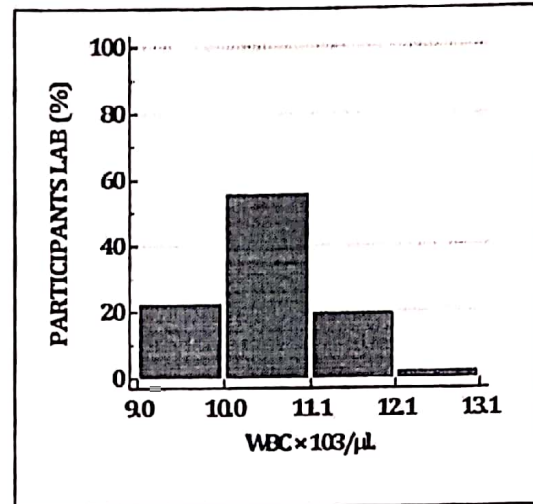
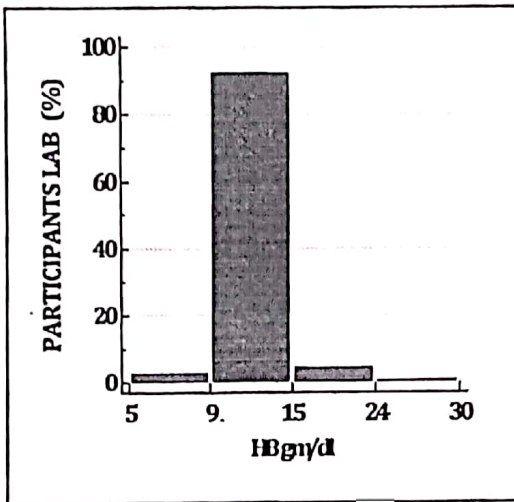


## HEMATOLOGY

### GRAPHICAL REPORT

Cycle - 12/2023  
Round -2

Date: 29/04/2023





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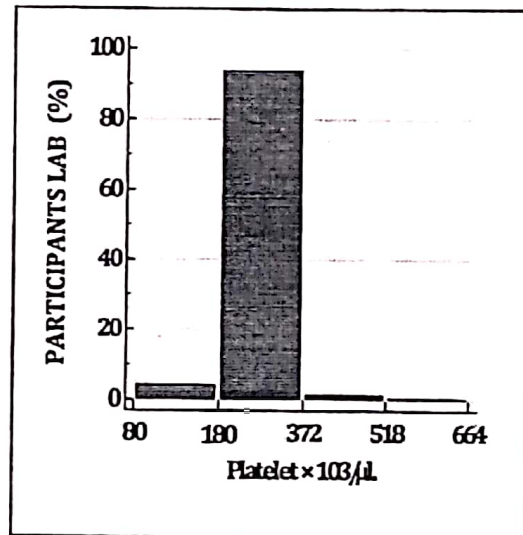
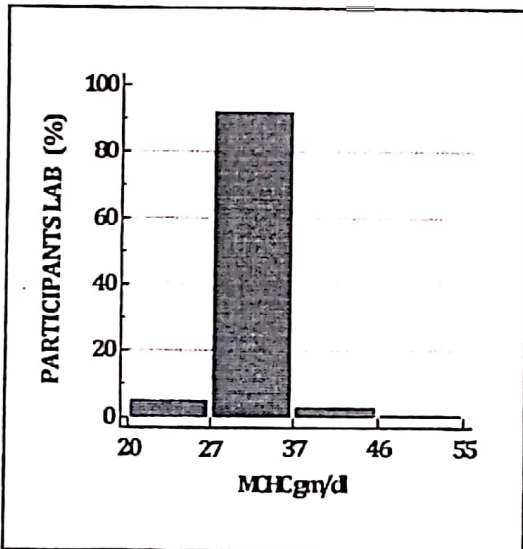
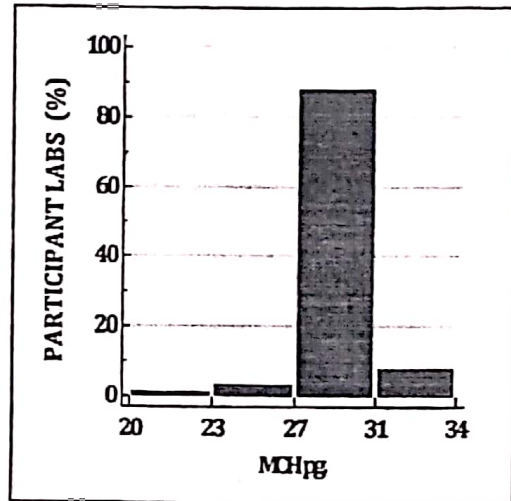
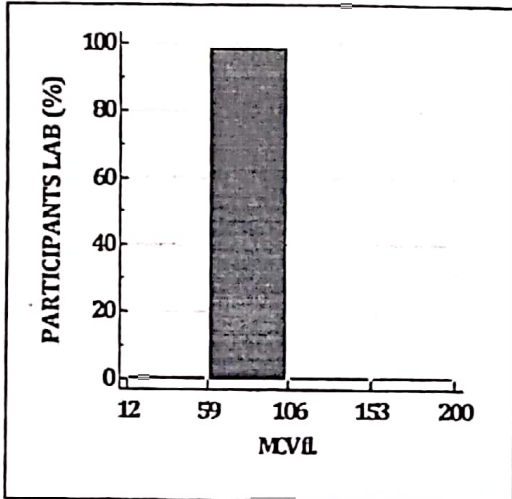


## HEMATOLOGY

### GRAPHICAL REPORT

Cycle - 12/2023  
Round - 2

Date: 29/04/2023





# RML – Quality Assurance Program (RML – QAP)



## Hematology

### ALL PARTICIPANTS COMPLETE DATA REPORT

Cycle - 12/2023

Round No - 2

Date: 29/04/2023

**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	328	282	38	231	13	38
WBC × 10 <sup>3</sup> /μl.	328	280	91	174	15	91
RBC × 10 <sup>3</sup> /μl.	328	281	49	205	27	49
HCT%	328	280	24	244	12	24
MCV fl.	328	280	3	268	9	3
MCH pg.	328	280	12	253	15	12
MCHC gm/dl	328	280	5	266	9	5
Platelet × 10 <sup>3</sup> /μl.	328	282	13	257	12	13

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

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



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