



RML- Quality Assurance Program (RML-QAP)



HEMATOLOGY

ALL METHOD REPORT

Cycle-13/2024

Round -1

Date: 29/02/2024

Lab Code: 3221

Complete Blood Count (CBC)

Parameters	No.of Participants	Robust Mean	Robust Standard deviation (SD)	Uncertainty of Assign Values	Range (± 2 SD)	Your Value	Z Score
Hb gm/dl	124	11.4	0.3	0.04	10.8-12.0	10.5	-2.9
WBC $\times 10^3/\mu\text{l}$.	124	11.5	0.8	0.09	9.9-13.0	*6.63	-6.2
RBC $\times 10^6/\mu\text{l}$.	124	3.9	0.1	0.01	3.7-4.1	3.64	-2.8
Hct%	123	33.9	2.7	0.31	28.4-39.3	31.1	-1.0
MCV fl.	122	86.6	4.6	0.52	77.4-95.8	85.5	-0.2
MCH pg.	124	29.1	1.0	0.11	27.1-31.1	29.0	-0.1
MCHC gm/dl	124	33.6	2.2	0.24	29.3-38.0	33.9	0.1
Platelet $\times 10^3/\mu\text{l}$.	123	247.1	19.5	2.19	208.2-286.1	237	-0.5

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
---------	------------------------------	------------------	---------------------------	----------------------------

Chief Coordinator

Dr. Sanjay Mehrotra

Checked By:

Prepared by: SSK

Programme Director

Dr. Bandana Mehrotra

****End of Report****



RML- Quality Assurance Program (RML-QAP)



HEMATOLOGY METHOD WISE REPORT

Lab Code: 3221

Cycle-13/2024
Round -01

Date: 29/02/2024

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 (± 2 SD)	Your Value	Method Wise Z Score
Hb gm/dl @	Photometric	66	11.4	0.3	0.05	10.8-12.0	-	-
WBC $\times 10^3/\mu\text{l}$.	Electrical impedance	71	11.3	0.8	0.12	9.7-13.0	*6.63	-5.6
RBC $\times 10^6/\mu\text{l}$.	Electrical impedance	87	3.9	0.1	0.02	3.7-4.2	3.64	-2.4
Hct% @	Calculated	76	34.1	2.7	0.39	28.7-39.6	-	-
MCV fl.	Calculated	61	86.1	4.9	0.79	76.3-95.9	85.5	-0.1
MCH pg.	Calculated	92	29.1	1.0	0.13	27.1-31.0	29.0	-0.1
MCHC gm/dl	Calculated	93	33.6	2.1	0.27	29.5-37.8	33.9	0.1
Platelet $\times 10^3/\mu\text{l}$.	Electrical impedance	85	247.5	17.2	2.33	213.1-281.9	237	-0.6

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
---------	------------------------------	------------------	---------------------------	----------------------------

Chief Coordinator

Dr.Sanjay Mehrotra

Checked By:

Prepared By: SSK

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

Programme Director

Dr.Bandana Mehrotra

End of Report

Page 2 of 5



Address: B-171, Nirala Nagar, Lucknow-226020. Ph.: 4034100-130 (30 Lines), 4077180, 2788444 Fax : (0522)2788555
Email: rmlresearchfoundation@gmail.com Website: www.rmlpathology.com

Continuous Efforts And Execution Leads To Quality Excellence

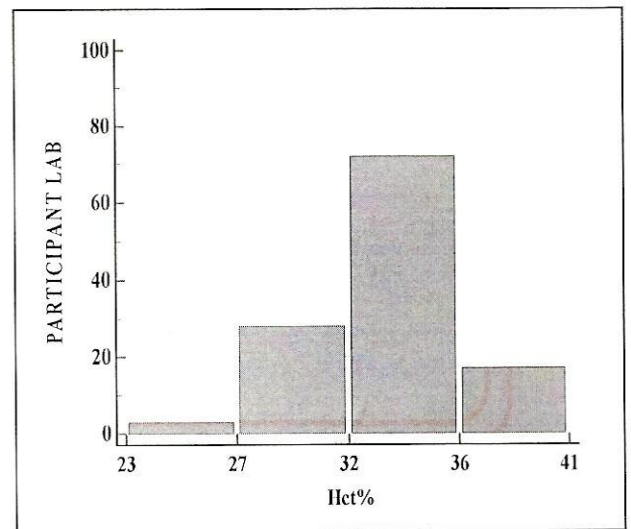
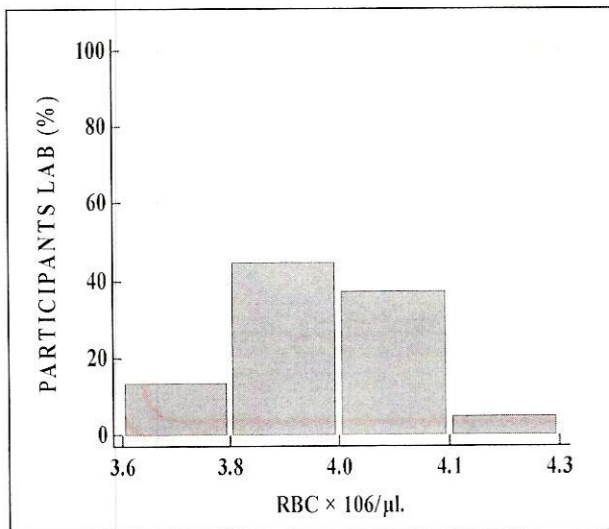
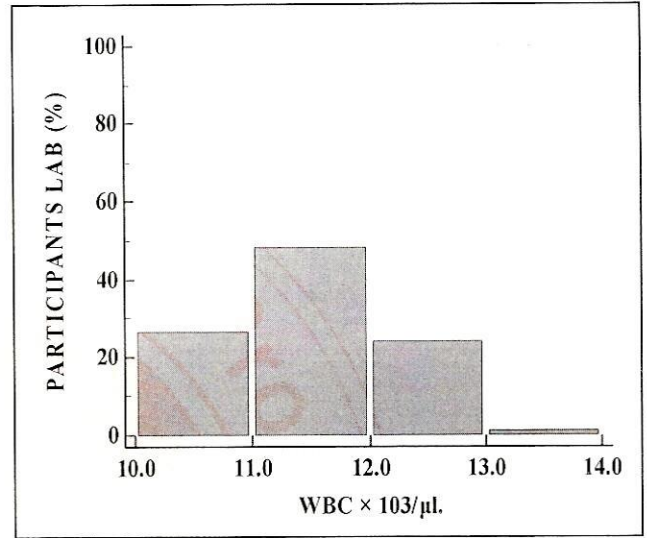
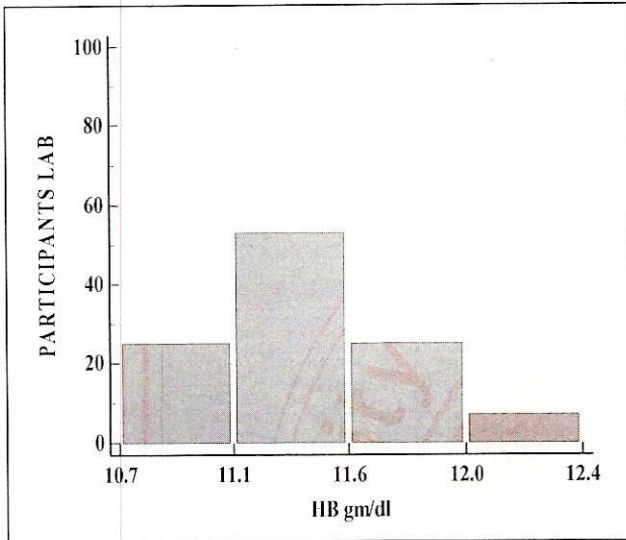


HEMATOLOGY

GRAPHICAL REPORT

Cycle - 13/2024
Round -1

Date: 29/02/2024



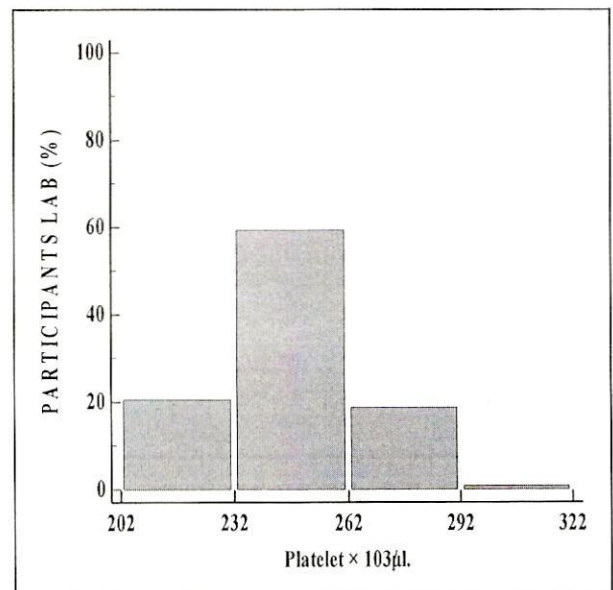
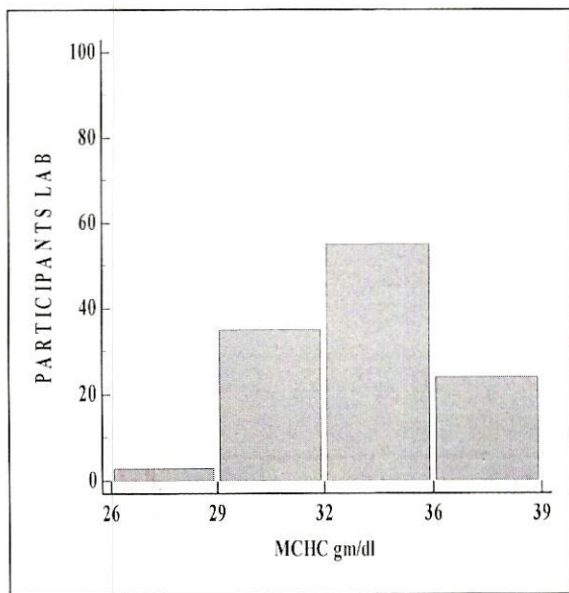
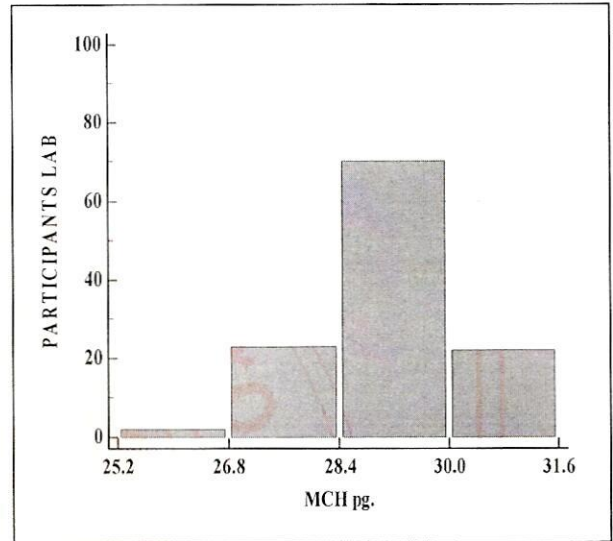
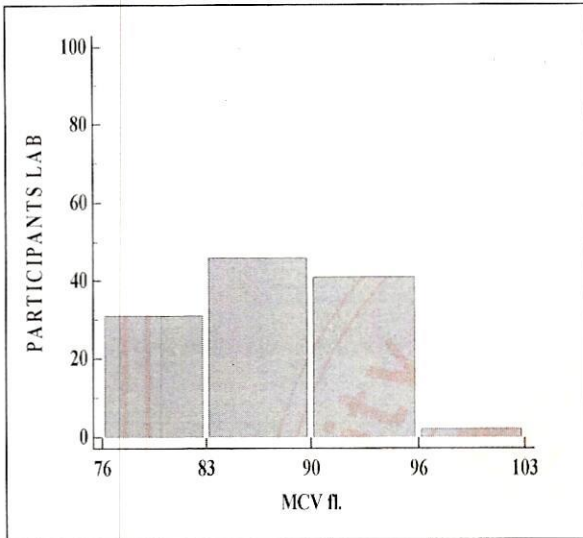


HEMATOLOGY

GRAPHICAL REPORT

Cycle - 13/2024
Round -1

Date: 29/02/2024



Hematology

ALL PARTICIPANTS COMPLETE DATA REPORT

Cycle - 13/2024

Round No - 01

Date: 29/02/2024

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	154	124	13	101	10	13
WBC $\times 10^3/\mu\text{l}$.	154	124	41	82	1	41
RBC $\times 10^3/\mu\text{l}$.	154	124	19	95	10	19
HCT%	154	123	3	114	6	3
MCV fl.	154	122	2	117	3	2
MCH pg.	154	124	7	113	4	7
MCHC gm/dl	154	124	6	113	5	6
Platelet $\times 10^3/\mu\text{l}$.	154	123	7	113	3	7

****End of Report****

Page 5 of 5

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



RML- Quality Assurance Program (RML-QAP)



HEMATOLOGY PEER GROUP REPORT HORIBA INSTRUMENT- H500

Cycle-13/2024

Lab Code: 3221

Round -01

Date: 29/02/2024

Complete Blood Count (CBC)

Parameters	Instrument Group	No.of Participants	Robust Mean	Robust Standard deviation (SD)	Uncertainty of Assign Values	Range (± 2 SD)	Your Value	Z Score
Hb gm/dl	Horiba-H500	6	11.2	0.2	0.09	10.8-11.5	*10.5	-3.7
WBC $\times 10^3/\mu\text{l}$.	Horiba-H500	6	7.2	0.4	0.21	6.4-8.0	6.6	-1.5
RBC $\times 10^6/\mu\text{l}$.	Horiba-H500	6	3.9	0.2	0.08	3.6-4.3	3.64	-2.0
Hct%	Horiba-H500	6	32.0	0.7	0.36	30.6-33.4	31.1	-1.3
MCV fl.	Horiba-H500	6	81.6	2.2	1.13	77.1-86.0	85.5	1.8
MCH pg.	Horiba-H500	6	28.4	0.5	0.27	27.3-29.4	29.0	1.2
MCHC gm/dl	Horiba-H500	6	34.5	0.7	0.34	33.2-35.8	33.9	-0.9
Platelet $\times 10^3/\mu\text{l}$.	Horiba-H500	6	253.7	18.9	9.63	215.9-291.4	237	-0.9

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
---------	------------------------------	------------------	---------------------------	----------------------------

Chief Coordinator


Dr. Sanjay Mehrotra

Programme Director


Dr. Bandana Mehrotra

Checked By: 

Prepared By: SSK

****End of Report****

Doc. No.: ASS / FR / 06B / R 01 / Dt.: 20.11.2023



Address: B-171, Nirala Nagar, Lucknow-226020. Ph.: 4034100-130 (30 Lines), 4077180, 2788444 Fax : (0522)2788555
Email: rmlresearchfoundation@gmail.com Website: www.rmlpathology.com

Continuous Efforts And Execution Leads To Quality Excellence