



HEMATOLOGY

ALL METHOD REPORT

Cycle-12/2023

Round -3

Lab Code: 2737

Date: 30/06/2023

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 | 289 | 11.6 | 0.4 | 0.03 | 10.8-12.4 | 11.7 | 0.2 |
| WBC $\times 10^3/\mu\text{l}$. | 287 | 11.3 | 0.7 | 0.05 | 9.9-12.7 | 10.0 | -1.9 |
| RBC $\times 10^6/\mu\text{l}$. | 287 | 4.0 | 0.1 | 0.01 | 3.8-4.2 | 4.08 | 0.8 |
| Hct% | 286 | 35.1 | 2.4 | 0.18 | 30.4-39.8 | 32.9 | -0.9 |
| MCV fl. | 286 | 86.9 | 4.9 | 0.36 | 77.1-96.7 | 80.6 | -1.3 |
| MCH pg. | 286 | 28.9 | 1.0 | 0.07 | 26.9-31.0 | 28.7 | -0.2 |
| MCHC gm/dl | 286 | 33.1 | 2.1 | 0.16 | 28.9-37.3 | 35.7 | 1.2 |
| Platelet $\times 10^3/\mu\text{l}$. | 287 | 263.1 | 19.3 | 1.42 | 224.6-301.6 | 293 | 1.5 |

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 |

Peripheral Blood Smear(PBS):

| | Your Result | Consensus Result |
|------------|---|--|
| DLC | S-05, P-80, L-09, E-02, Mono-04, nRBC-01 | P-56.7-84.2, L-6.6-25.7, E-1.1-4.6, Mono- 1.1-4.5 |
| Morphology | RBCs are predominantly Microcytic Hypochromic. Few Normocytic are also seen. WBCs are increased in total count. Differential shows increase in Neutrophils. | Δ Thrombocytosis (208/289) Δ Normocytic/ Normochromic (184/289) Δ Leukocytosis (173/289) Δ Microcytic/Microcytosis/Microcytes (126/289) Δ Hypochromia/Hypochromic (105/289) |
| Diagnosis | (i) Microcytic Hypochromic Anemia. (ii) Netrophilic Leucocytosis | Thrombocytosis/Thrombocythemia/ Essential Thrombocytosis |

| Legends | (*) Excluded From Group Mean | {.} Not Reported | (#)Late Result Submission | (\$)Reported in other Unit |
|---------|------------------------------|------------------|---------------------------|----------------------------|
|---------|------------------------------|------------------|---------------------------|----------------------------|

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-12/2023

Lab Code: 2737

Round -3

Date: 30/06/2023

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 | 182 | 11.6 | 0.4 | 0.04 | 10.8-12.3 | 11.7 | 0.2 |
| WBC $\times 10^3/\mu\text{l}$. | Electrical impedance | 164 | 11.4 | 0.7 | 0.07 | 10.0-12.7 | 10.0 | -2.0 |
| RBC $\times 10^6/\mu\text{l}$. | Electrical impedance | 182 | 4.0 | 0.1 | 0.01 | 3.8-4.24 | 4.08 | 0.8 |
| Hct% | Calculated | 177 | 35.2 | 2.3 | 0.22 | 30.5-39.8 | 32.9 | -1.0 |
| MCV fl. | Calculated | 122 | 86.8 | 5.5 | 0.62 | 75.9-97.8 | 80.6 | -1.1 |
| MCH pg. | Calculated | 184 | 28.8 | 1.0 | 0.09 | 26.9-30.8 | 28.7 | -0.1 |
| MCHC gm/dl | Calculated | 187 | 33.1 | 2.1 | 0.19 | 29.0-37.3 | 35.7 | 1.2 |
| Platelet $\times 10^3/\mu\text{l}$. | Electrical impedance | 177 | 263.3 | 18.7 | 1.76 | 225.8-300.8 | 293 | 1.6 |

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: LG

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

Programme Director

Dr.Bandana Mehrotra

End of Report

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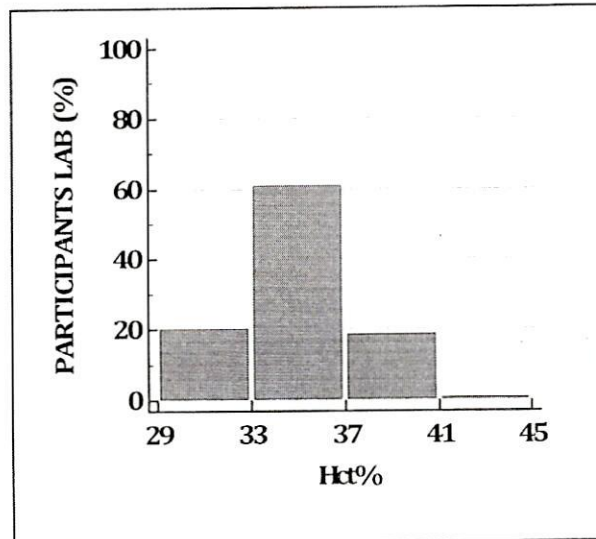
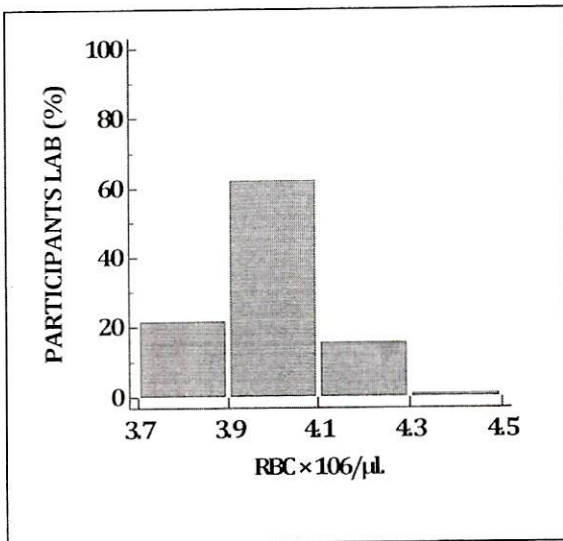
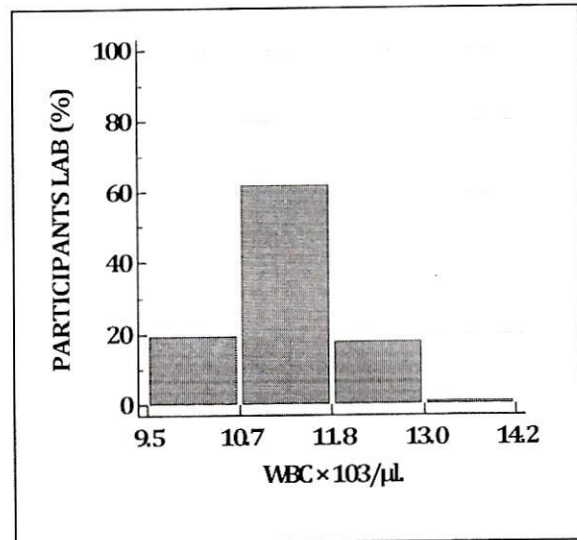
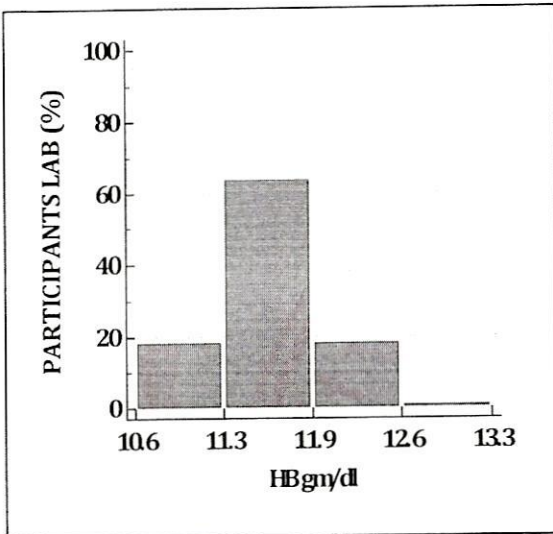


HEMATOLOGY

GRAPHICAL REPORT

Cycle - 12/2023
Round - 3

Date: 30/06/2023



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RML – Quality Assurance Program (RML – QAP)

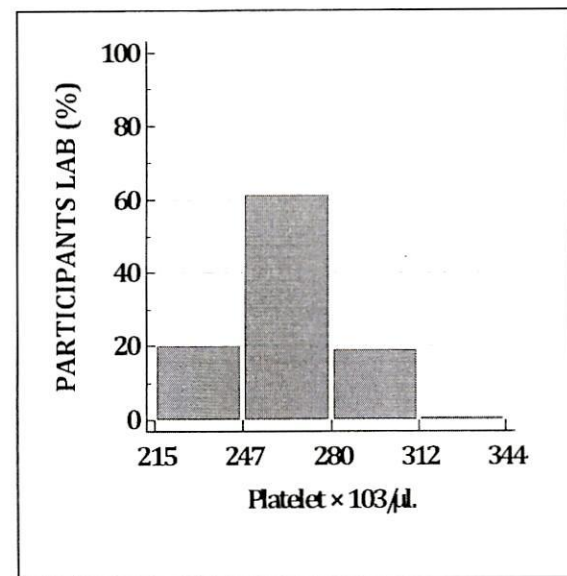
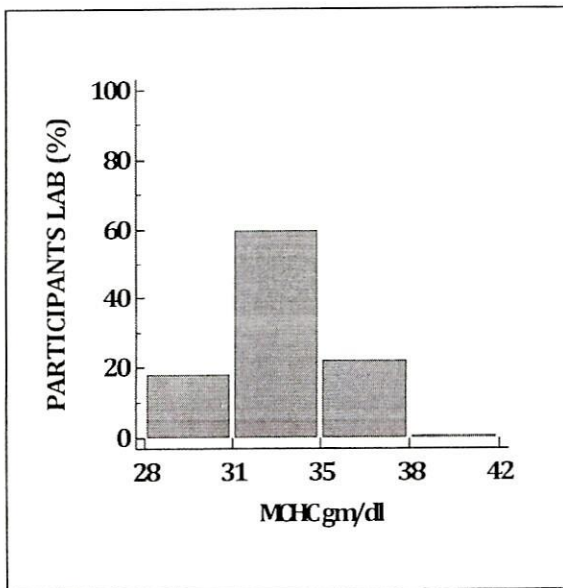
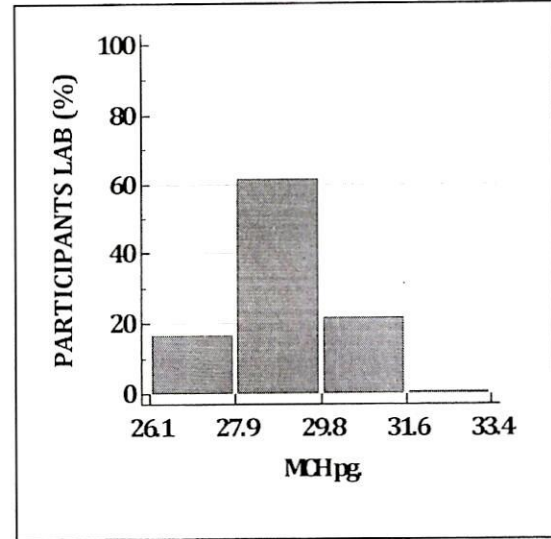
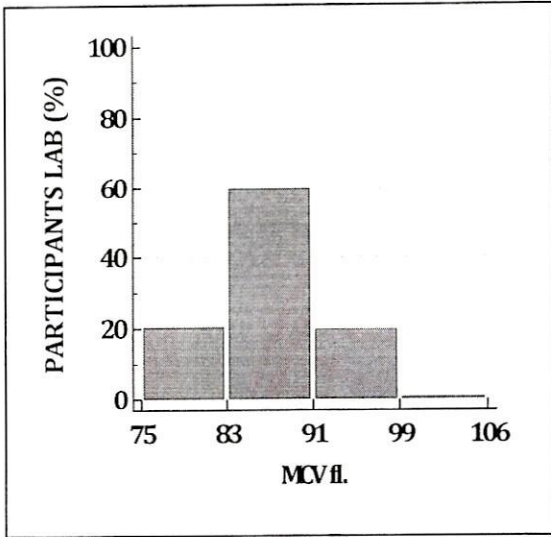


HEMATOLOGY

GRAPHICAL REPORT

Cycle - 12/2023
Round -3

Date: 30/06/2023



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Hematology

ALL PARTICIPANTS COMPLETE DATA REPORT

Cycle - 12/2023

Round No - 3

Date: 30/06/2023

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 | 378 | 289 | 34 | 245 | 10 | 34 |
| WBC $\times 10^3/\mu\text{l}$. | 378 | 287 | 94 | 180 | 13 | 94 |
| RBC $\times 10^3/\mu\text{l}$. | 378 | 287 | 43 | 227 | 17 | 43 |
| HCT% | 378 | 286 | 19 | 255 | 12 | 19 |
| MCV fl. | 378 | 286 | 9 | 270 | 7 | 9 |
| MCH pg. | 378 | 286 | 13 | 256 | 17 | 13 |
| MCHC gm/dl | 378 | 286 | 10 | 263 | 13 | 10 |
| Platelet $\times 10^3/\mu\text{l}$. | 378 | 287 | 20 | 247 | 20 | 20 |

****End of Report****

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