



RML- Quality Assurance Program (RML-QAP)



HEMATOLOGY

ALL METHOD REPORT

Cycle-12/2023

Lab Code: 2719

Round -5

Date: 31/10/2023

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 | 338 | 11.7 | 0.4 | 0.02 | 11.0-12.5 | 11.9 | 0.4 |
| WBC $\times 10^3/\mu\text{l}$. | 333 | 11.0 | 0.8 | 0.06 | 9.3-12.6 | 10.3 | -0.8 |
| RBC $\times 10^6/\mu\text{l}$. | 336 | 4.1 | 0.1 | 0.01 | 3.9-4.3 | 4.26 | 1.9 |
| Hct% | 337 | 35.5 | 2.3 | 0.16 | 30.8-40.1 | 38.4 | 1.3 |
| MCV fl. | 336 | 86.8 | 4.6 | 0.31 | 77.7-95.9 | 90.3 | 0.8 |
| MCH pg. | 336 | 28.8 | 0.9 | 0.06 | 27.0-30.7 | 27.9 | -1.0 |
| MCHC gm/dl | 336 | 33.1 | 2.0 | 0.13 | 29.2-37.0 | 30.9 | -1.1 |
| Platelet $\times 10^3/\mu\text{l}$. | 337 | 260.1 | 19.6 | 1.34 | 220.8-299.4 | 255 | -0.3 |

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-20, L-10, E-69, Mono-01 | P- 17.3-59.7, L- 8.7-24.3, E- 14.6-61.6, Mono- 1.2-4.8 |
| Morphology | RBC- Normocytic Normochromic. WBCs- Increased in number with increase of Eosinophils . Normal in morphology. Platelets- Adequate | Δ Normocytic/Normochromic (283/302) Δ Eosinophilia (264/302) Δ Leukocytosis (212/302) Δ Thrombocytopenia (153/302) |
| Diagnosis | Normocytic Normochromic Blood Picture with Leucocytosis and Eosinophilia | Eosinophilia |

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

Chief Coordinator

Programme Director

Dr. Sanjay Mehrotra

Dr. Bandana Mehrotra

Checked By:

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

****End of Report****

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RML- Quality Assurance Program (RML-QAP)



HEMATOLOGY METHOD WISE REPORT

Cycle-12/2023

Lab Code: 2719

Round -5

Date: 31/10/2023

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 | 195 | 11.8 | 0.4 | 0.03 | 11.0-12.5 | - | - |
| WBC $\times 10^3/\mu\text{l}$. @ | Electrical impedance | 175 | 11.0 | 0.7 | 0.07 | 9.5-12.5 | - | - |
| RBC $\times 10^6/\mu\text{l}$. @ | Electrical impedance | 195 | 4.1 | 0.1 | 0.01 | 3.8-4.4 | - | - |
| Hct% @ | Calculated | 191 | 35.8 | 2.4 | 0.22 | 30.9-40.6 | - | - |
| MCV fl. @ | Calculated | 136 | 86.4 | 4.4 | 0.48 | 77.5-95.3 | - | - |
| MCH pg. | Calculated | 202 | 28.8 | 0.9 | 0.08 | 27.0-30.6 | 27.9 | -1.0 |
| MCHC gm/dl | Calculated | 205 | 33.0 | 1.6 | 0.14 | 29.7-36.2 | 30.9 | -1.3 |
| Platelet $\times 10^3/\mu\text{l}$. | Electrical impedance | 192 | 259.3 | 18.7 | 1.69 | 221.9-296.8 | 255 | -0.2 |

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

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RML- Quality Assurance Program (RML-QAP)

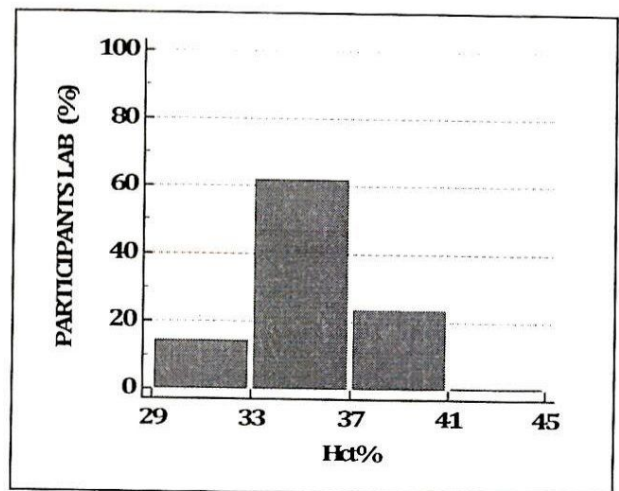
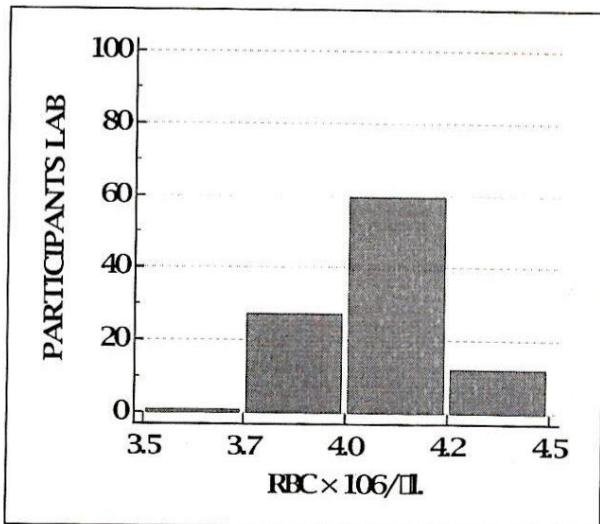
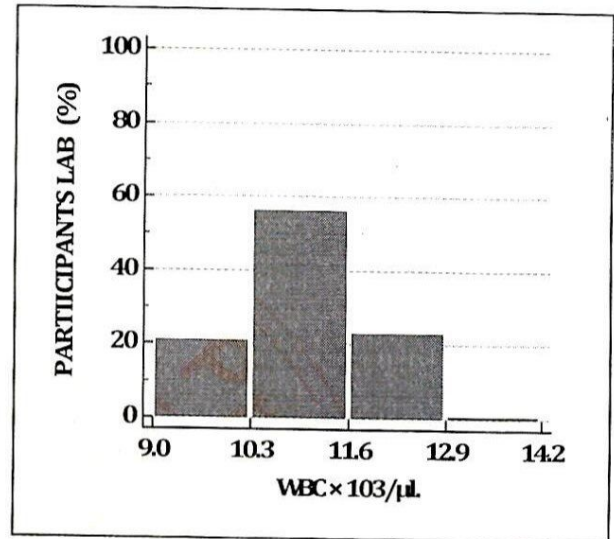
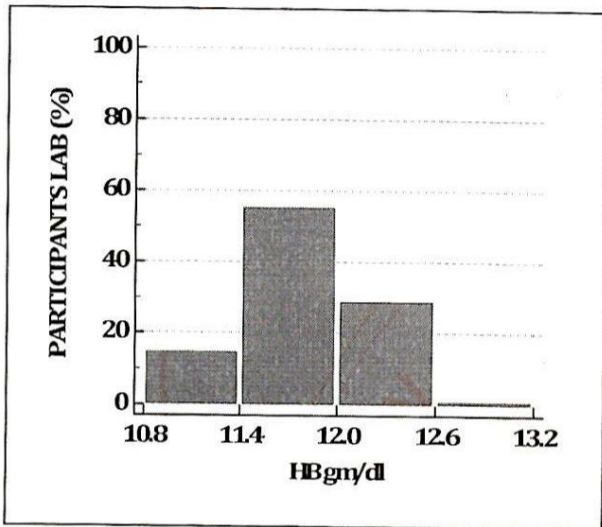


HEMATOLOGY

GRAPHICAL REPORT

Cycle - 12/2023
Round -5

Date: 31/10/2023





RML- Quality Assurance Program (RML-QAP)



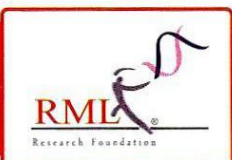
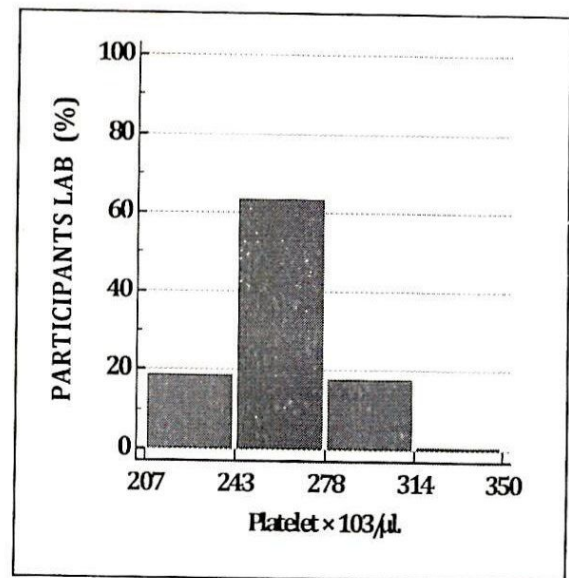
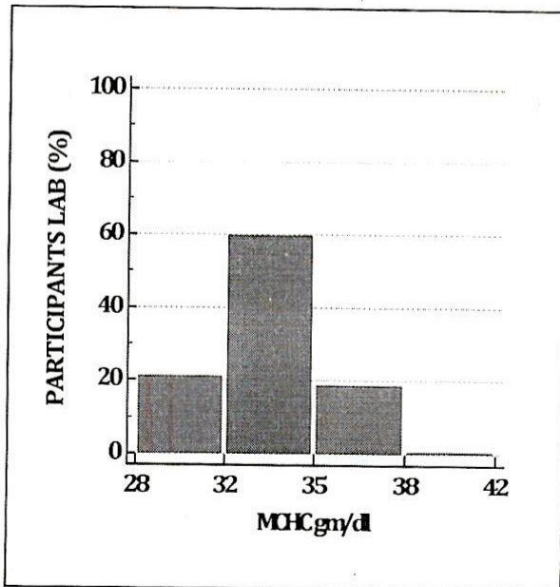
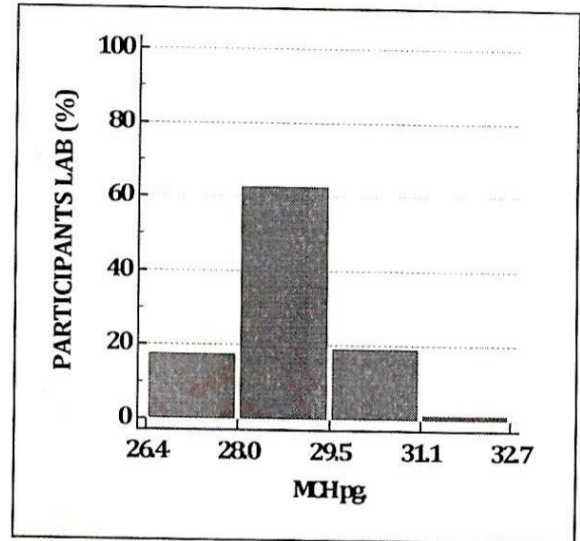
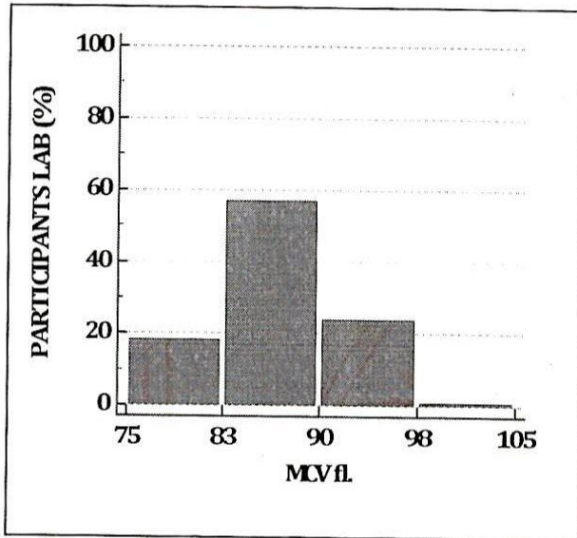
HEMATOLOGY

GRAPHICAL REPORT

Cycle - 12/2023

Round -5

Date: 31/10/2023





Hematology

ALL PARTICIPANTS COMPLETE DATA REPORT

Cycle - 12/2023

Round No - 5

Date: 31/10/2023

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 | 448 | 338 | 48 | 277 | 13 | 48 |
| WBC $\times 10^3/\mu\text{l}$. | 448 | 333 | 106 | 212 | 15 | 106 |
| RBC $\times 10^3/\mu\text{l}$. | 448 | 336 | 52 | 252 | 32 | 52 |
| HCT% | 448 | 337 | 18 | 303 | 16 | 18 |
| MCV fl. | 448 | 336 | 6 | 321 | 9 | 6 |
| MCH pg. | 448 | 336 | 17 | 294 | 25 | 17 |
| MCHC gm/dl | 448 | 336 | 10 | 302 | 24 | 10 |
| Platelet $\times 10^3/\mu\text{l}$. | 448 | 337 | 18 | 300 | 19 | 18 |

****End of Report****

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