



BIO-CHEMISTRY-01

ALL METHOD REPORT

Lab Code: 2594

Cycle - 11/2022
Round No - 11

Date: 28/11/2022

| Parameters | Units | No.of. Participants | Group Mean | Standard deviation (SD) | Uncertainty of Assign Values | Range (± 2 SD) | Your Value | Standard Deviation Index (SDI) |
|----------------------|-------|---------------------|------------|-------------------------|------------------------------|---------------------|------------|--------------------------------|
| Albumin | g/dL | 242 | 2.9 | 0.2 | 0.02 | 2.4-3.4 | 2.4 | -2.1 |
| Alkaline Phosphatase | U/L | 234 | 321.1 | 71.9 | 5.88 | 177.2-464.9 | 367 | 0.6 |
| Bilirubin Total | mg/dL | 242 | 4.9 | 0.6 | 0.05 | 3.8-6.1 | 5.2 | 0.5 |
| Calcium(Total) | mg/dL | 216 | 12.2 | 0.9 | 0.07 | 10.5-13.9 | 10.9 | -1.5 |
| Cholesterol (Total) | mg/dL | 236 | 270.3 | 16.0 | 1.30 | 238.3-302.3 | 247 | -1.5 |
| Creatinine | mg/dL | 246 | 4.2 | 0.4 | 0.03 | 3.4-4.9 | 3.6 | -1.5 |
| Glucose | mg/dL | 248 | 258.1 | 18.7 | 1.49 | 220.7-295.5 | 182 | -4.1 |
| HDL | mg/dL | 226 | 85.9 | 30.5 | 2.54 | 24.9-146.9 | 57.2 | -0.9 |
| Potassium | mEq/L | 201 | 5.8 | 0.3 | 0.03 | 5.1-6.4 | *3.7 | -6.5 |
| Protein (Total) | g/dl | 241 | 4.6 | 0.3 | 0.03 | 3.9-5.2 | 5.5 | 2.8 |
| Sodium | mEq/L | 200 | 155.3 | 4.7 | 0.41 | 145.9-164.7 | 151 | -0.9 |
| SGPT/ALT | U/L | 242 | 122.8 | 13.1 | 1.05 | 96.6-149.1 | 86 | -2.8 |
| SGOT/AST | U/L | 242 | 128.6 | 12.3 | 0.99 | 103.9-153.3 | 63 | -5.3 |
| Triglyceride | mg/dL | 236 | 249.8 | 15.9 | 1.29 | 218.0-281.5 | 229 | -1.3 |
| Urea | mg/dL | 246 | 113.9 | 10.4 | 0.83 | 93.1-134.7 | *33 | -7.8 |
| Uric Acid | mg/dl | 242 | 9.4 | 0.9 | 0.07 | 7.4-10.8 | 6.4 | -3.5 |

Interpretation of SDI:

| SDI Value(+/-) | 0 - 0.5 | 0.6 - 0.9 | 1.0 - 2.0 | 2.1 - 2.9 | ≥ 3 |
|----------------|-----------------------|------------------|------------------------|---------------------------------------|--|
| Interpretation | Excellent Performance | Good Performance | Acceptable Performance | Marginal Performance Need Improvement | Unacceptable Performance Needs Urgent action |

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

Chief Coordinator

Dr.Sanjay Mehrotra

Checked By:

Prepared by: SS

Doc. No.: ASS / FR / 03 / R 01 / Dt.: 05.01.2022

Programme Director

Dr.Bandana Mehrotra

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RML – Quality Assurance Program (RML – QAP)



BIO-CHEMISTRY

METHOD WISE REPORT

Cycle - 11/2022

Round No - 11

Date: 28/11/2022

Lab Code: 2594

Note: @ Parameters are not part of Method Group

| Parameters | Units | Method Group | No.of. Participants in Group | Method Wise Group Mean | Method Wise Standard deviation (SD) | Method Wise Uncertainty of Assign Values | Method Wise Range (± 2 SD) | Your Value | Method Wise Standard Deviation Index (SDI) |
|------------------------|-------|--|------------------------------|------------------------|-------------------------------------|--|---------------------------------|------------|--|
| Albumin | g/dL | Bromocresal Green (BCG) | 102 | 2.9 | 0.2 | 0.03 | 2.5-3.4 | 2.4 | -2.3 |
| Alkaline Phosphatase @ | U/L | PNPP, AMP Buffer | 70 | 312.3 | 58.3 | 8.71 | 195.8-428.9 | - | - |
| Bilirubin Total @ | mg/dL | Diazonium Ion | 60 | 4.9 | 0.5 | 0.08 | 3.8-5.9 | - | - |
| Calcium(Total) @ | mg/dL | Arsenazo iii | 59 | 12.4 | 0.8 | 0.13 | 10.8-13.9 | - | - |
| Cholesterol (Total)@ | mg/dL | Cholesterol Oxidase,esterase, peroxidase | 68 | 270.9 | 13.7 | 2.08 | 243.4-298.3 | - | - |
| Creatinine @ | mg/dL | Enzymatic | 43 | 4.4 | 0.3 | 0.06 | 3.7-5.0 | - | - |
| Glucose @ | mg/dL | Glucose oxidase,hydrogen peroxide(Trinder) | 44 | 263.0 | 20.4 | 3.85 | 222.2-303.8 | - | - |
| HDL @ | mg/dL | Direct measure-PEG | 33 | 85.4 | 38.8 | 8.43 | 7.9-162.9 | - | - |
| Potassium | mEq/L | ISE Direct | 66 | 5.8 | 0.3 | 0.05 | 5.2-6.4 | *3.7 | -6.9 |
| Protein (Total) @ | g/dl | Biuret, reagent blank, end point | 40 | 4.5 | 0.3 | 0.06 | 3.9-5.2 | - | - |
| Sodium | mEq/L | ISE Direct | 69 | 154.6 | 4.2 | 0.64 | 146.1-163.1 | 151 | -0.8 |
| SGPT/ALT @ | U/L | UV without P5P | 44 | 120.6 | 11.8 | 2.22 | 97.0-144.2 | - | - |
| SGOT/AST @ | U/L | UV without P5P | 44 | 124.6 | 10.5 | 1.99 | 103.5-145.6 | - | - |
| Triglyceride @ | mg/dL | Enzymatic, end point | 40 | 254.3 | 10.8 | 2.13 | 232.7-275.9 | - | - |
| Urea @ | mg/dL | Urease, UV | 54 | 114.4 | 8.8 | 1.49 | 96.8-132.0 | - | - |
| Uric Acid | mg/dl | Uricase, Colorimetric | 74 | 9.1 | 0.9 | 0.13 | 7.3-10.9 | 6.4 | -3.1 |

Interpretation of SDI:

| SDI Value(+/-) | 0 - 0.5 | 0.6 - 0.9 | 1.0 - 2.0 | 2.1 - 2.9 | ≥ 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 |
|---------|------------------------------|------------------|---------------------------|----------------------------|
|---------|------------------------------|------------------|---------------------------|----------------------------|

Chief Coordinator

Dr.Sanjay Mehrotra

Checked By: *[Signature]*

Prepared by: SS

Programme Director

Dr.Bandana Mehrotra

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Address: B-171, Nirala Nagar, Lucknow - 226 020. Ph. : 4034100-130 (30 Lines), 4077180, 2788444 Fax : (0522)2788555

Email: rmlresearchfoundation@gmail.com Website: www.rmlpathology.com

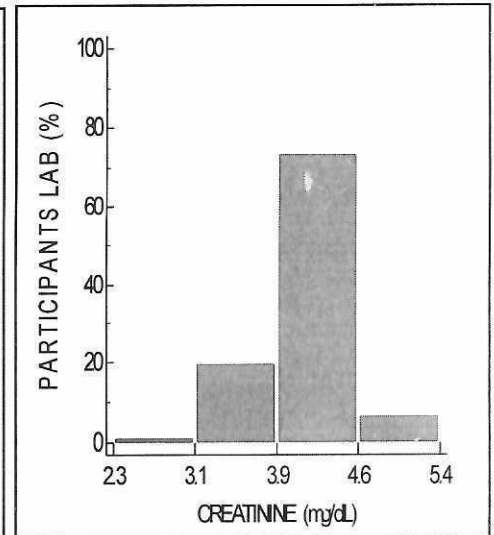
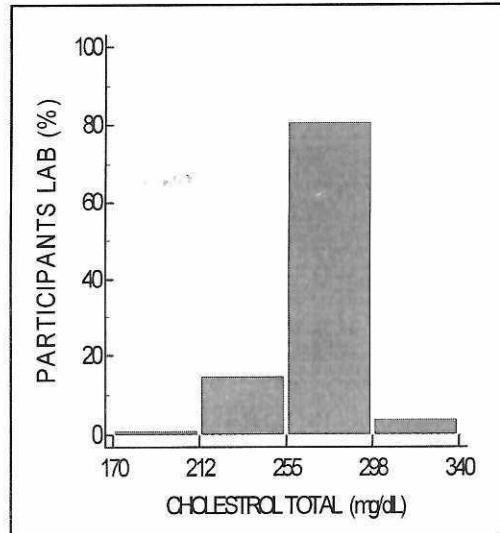
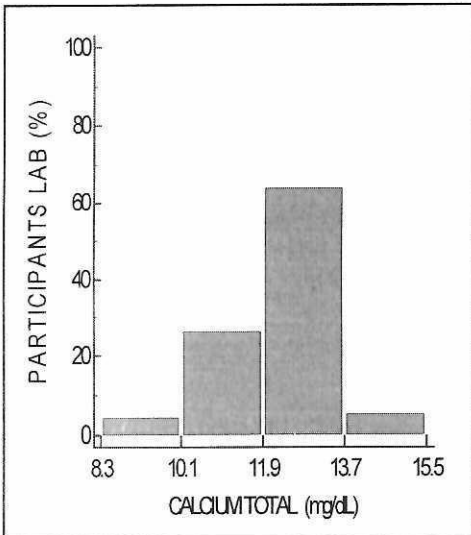
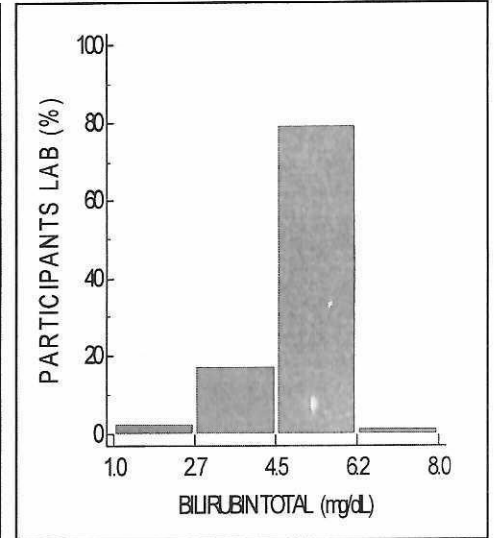
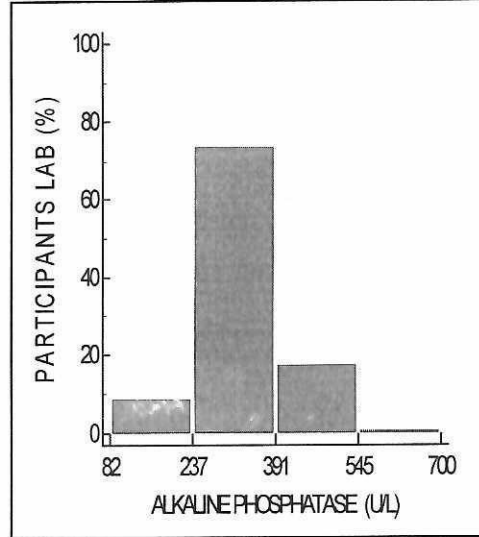
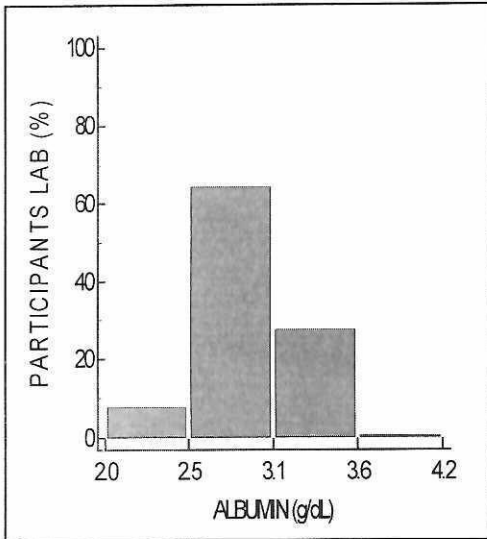
Continuous Efforts And Execution Leads To Quality Excellence

BIO-CHEMISTRY

GRAPHICAL REPORT

Cycle - 11/2022
Round-11

Date:28/11/2022

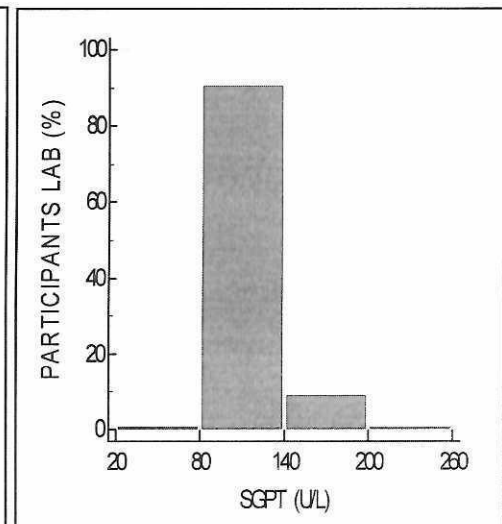
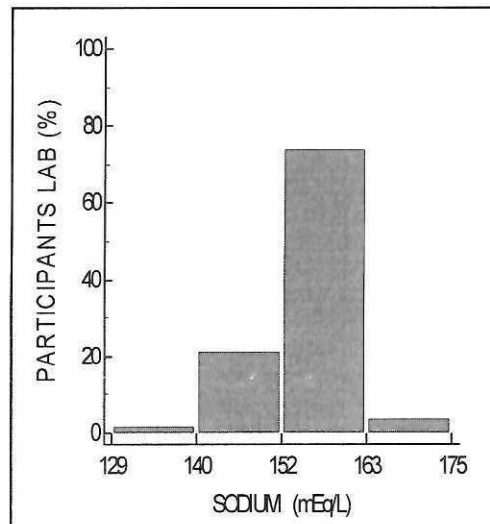
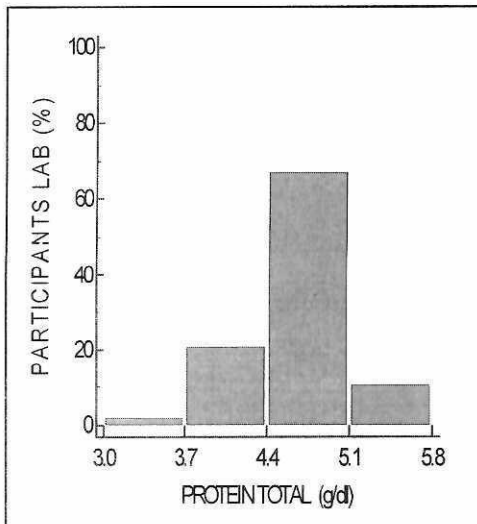
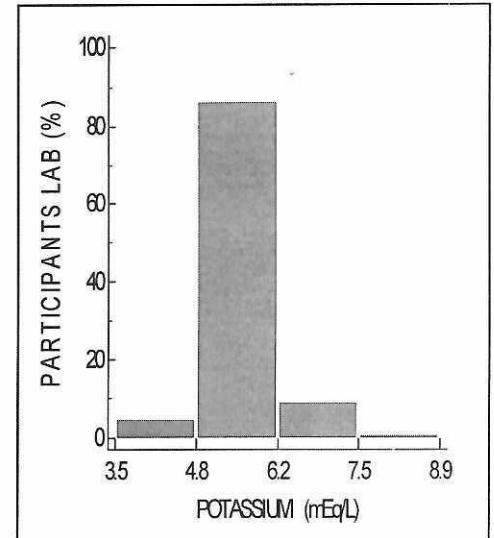
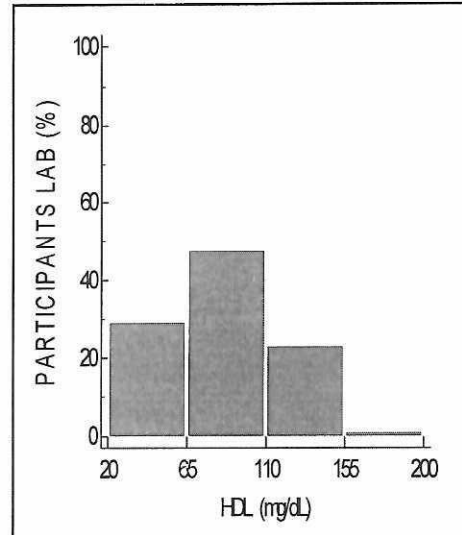
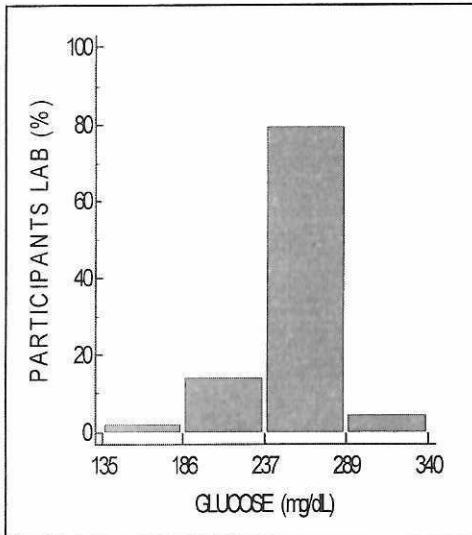


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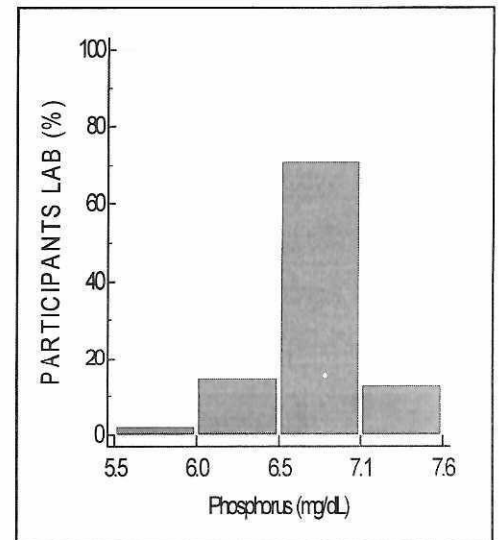
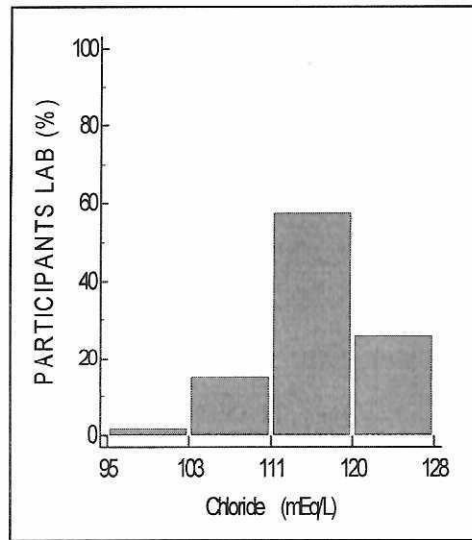
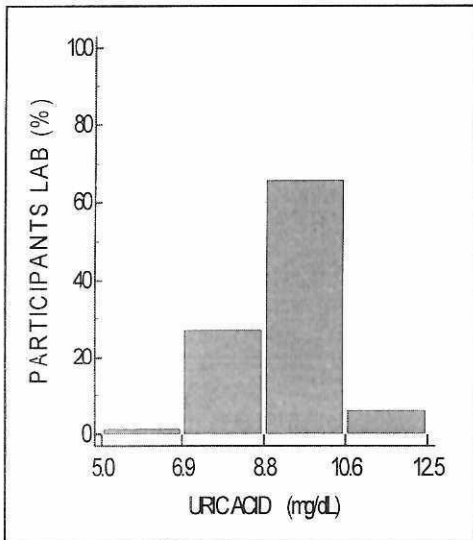
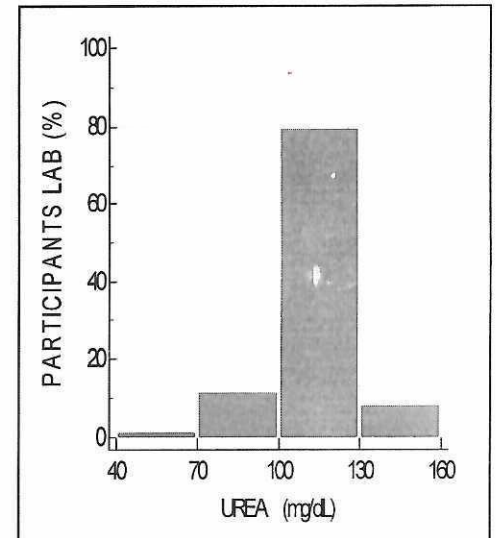
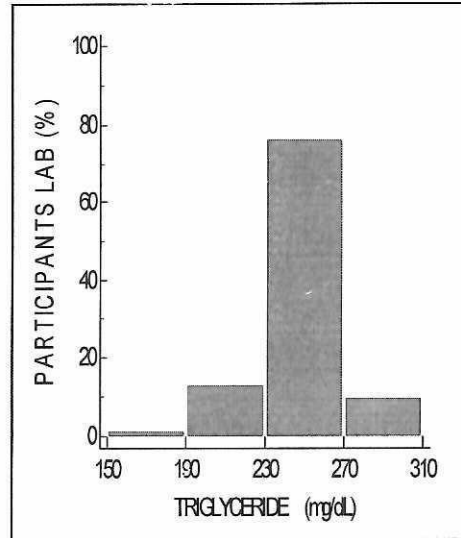
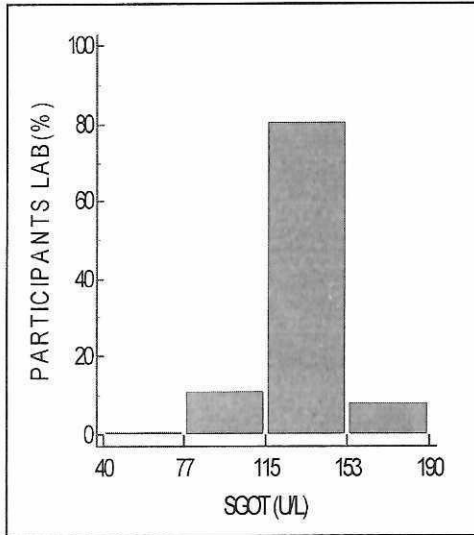


BIO-CHEMISTRY

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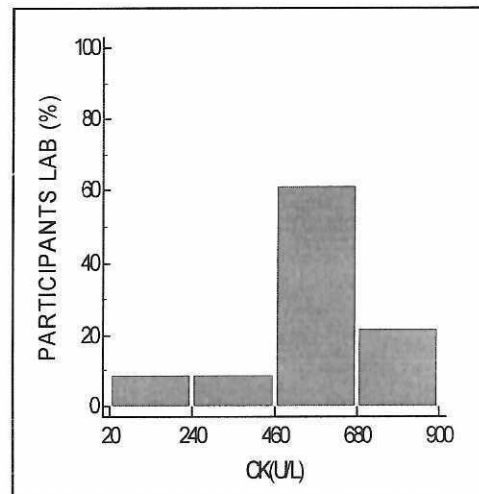
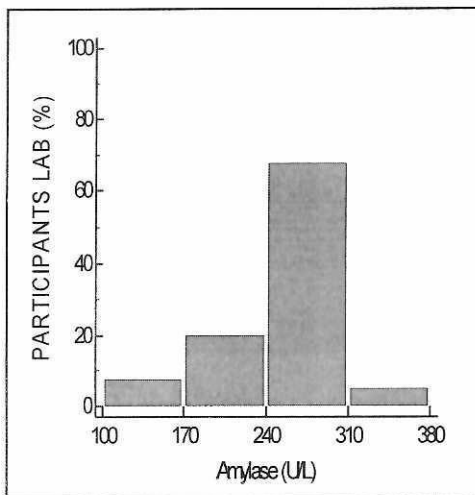
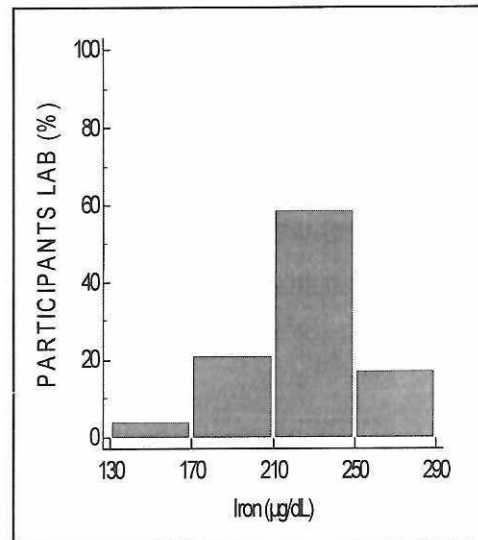
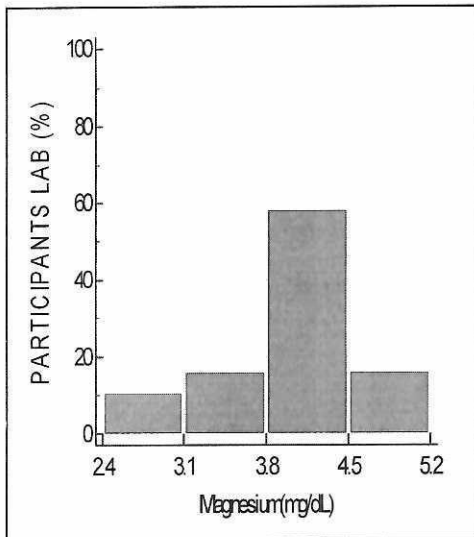


BIO-CHEMISTRY

GRAPHICAL REPORT

Cycle - 11/2022
Round-11

Date:28/11/2022



Biochemistry

ALL PARTICIPANTS COMPLETE DATA REPORT

Cycle - 11/2022

Round No -11

Date: 28/11/2022

Note:- This report is only for information about the participants 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 |
|----------------------|---------------------------|------------------|--|-------------------------------------|---------------------------------------|----------------------------|
| Albumin | 291 | 242 | 8 | 210 | 20 | 12 |
| Alkaline Phosphatase | 291 | 234 | 3 | 223 | 6 | 5 |
| Bilirubin Total | 291 | 242 | 1 | 222 | 9 | 11 |
| Calcium(Total) | 291 | 216 | 8 | 182 | 16 | 18 |
| Cholesterol (Total) | 291 | 236 | 9 | 209 | 11 | 16 |
| Creatinine | 291 | 246 | 5 | 230 | 10 | 6 |
| Glucose | 291 | 248 | 4 | 225 | 13 | 10 |
| HDL | 291 | 226 | 0 | 223 | 2 | 1 |
| Potassium | 291 | 201 | 5 | 179 | 10 | 12 |
| Protien (Total) | 291 | 241 | 7 | 215 | 11 | 15 |
| Sodium | 291 | 200 | 5 | 182 | 6 | 12 |
| SGPT/ALT | 291 | 242 | 4 | 221 | 13 | 8 |
| SGOT/AST | 291 | 242 | 6 | 208 | 18 | 16 |
| Triglyceride | 291 | 236 | 7 | 198 | 13 | 25 |
| Urea | 291 | 246 | 5 | 222 | 8 | 16 |
| Uric Acid | 291 | 242 | 5 | 221 | 12 | 9 |

****End of Report****

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