



RML – Quality Assurance Program (RML – QAP)



BIO-CHEMISTRY-02

ALL METHOD REPORT

Lab Code: 2492

Cycle - 11/2022

Round No - 7

Date: 01/08/2022

| 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 | 227 | 4.0 | 0.2 | 0.02 | 3.6-4.5 | 3.8 | -1.0 |
| Alkaline Phosphatase | U/L | 217 | 181.0 | 37.4 | 3.18 | 106.1-255.8 | 197 | 0.4 |
| Bilirubin Total | mg/dL | 226 | 1.5 | 0.2 | 0.02 | 1.1-1.9 | 1.5 | 0.1 |
| Calcium(Total) | mg/dL | 194 | 8.8 | 0.7 | 0.06 | 7.5-10.1 | 8.3 | -0.8 |
| Cholesterol (Total) | mg/dL | 221 | 167.6 | 22.3 | 1.88 | 122.9-212.3 | 133 | -1.5 |
| Creatinine | mg/dL | 230 | 1.4 | 0.2 | 0.02 | 1.0-1.8 | 1.5 | 0.5 |
| Glucose | mg/dL | 231 | 105.7 | 10.1 | 0.83 | 85.6-125.8 | 95 | -1.1 |
| HDL | mg/dL | 209 | 56.9 | 16.6 | 1.44 | 23.6-90.1 | 35.2 | -1.3 |
| Potassium | mEq/L | 187 | 3.9 | 0.2 | 0.02 | 3.5-4.3 | 3.7 | -0.9 |
| Protein (Total) | g/dl | 222 | 5.8 | 0.4 | 0.03 | 5.1-6.5 | 5.8 | 0.0 |
| Sodium | mEq/L | 188 | 138.1 | 3.8 | 0.35 | 130.5-145.8 | 142 | 1.0 |
| SGPT/ALT | U/L | 225 | 30.4 | 4.0 | 0.33 | 22.5-38.3 | 32 | 0.4 |
| SGOT/AST | U/L | 226 | 31.3 | 4.4 | 0.37 | 22.5-40.1 | 29 | -0.5 |
| Triglyceride | mg/dL | 221 | 91.9 | 9.6 | 0.81 | 72.6-111.2 | 89 | -0.3 |
| Urea | mg/dL | 229 | 43.6 | 3.9 | 0.32 | 35.9-51.4 | 41 | -0.7 |
| Uric Acid | mg/dl | 225 | 5.7 | 0.5 | 0.04 | 4.7-6.8 | 6.4 | 1.3 |
| Chloride | mEq/L | 49 | 99.4 | 4.1 | 0.73 | 91.3-107.6 | 100 | 0.1 |
| Phosphorus | mg/dL | 45 | 4.4 | 0.2 | 0.04 | 4.0-4.9 | 4.3 | -0.6 |
| Magnesium | mg/dl | 19 | 2.2 | 0.3 | 0.08 | 1.6-2.7 | . | - |
| Iron | μ g/dL | 37 | 113.4 | 6.5 | 1.33 | 100.5-126.4 | 109 | -0.7 |
| Amylase | U/L | 30 | 76.5 | 9.9 | 2.25 | 56.8-96.3 | . | - |
| CK | U/L | 20 | 190.9 | 47.2 | 13.20 | 96.4-285.4 | . | - |

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

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 - 7

Date: 01/08/2022

Lab Code: 2492

Note: Your Lab is not the part of this 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 | Bromocresol Green (BCG) | 89 | 4.0 | 0.2 | 0.03 | 3.6-4.4 | - | - |
| Alkaline Phosphatase | U/L | PNPP, AMP Buffer | 58 | 175.4 | 28.2 | 4.63 | 119.0-231.8 | - | - |
| Bilirubin Total | mg/dL | Diazonium Ion | 50 | 1.5 | 0.2 | 0.03 | 1.1-1.9 | - | - |
| Calcium(Total) | mg/dL | Arsenazo iii | 51 | 9.0 | 0.8 | 0.14 | 7.4-10.5 | - | - |
| Cholesterol (Total) | mg/dL | Cholesterol Oxidase,esterase, peroxidase | 58 | 175.1 | 21.2 | 3.47 | 132.8-217.4 | - | - |
| Creatinine | mg/dL | Enzymatic | 35 | 1.4 | 0.2 | 0.03 | 1.1-1.7 | - | - |
| Glucose | mg/dL | Glucose oxidase,hydrogen peroxide(Trinder) | 40 | 108.1 | 10.2 | 2.02 | 87.7-128.6 | - | - |
| HDL | mg/dL | Direct measure-PEG | 25 | 58.6 | 24.0 | 5.99 | 10.7-106.6 | - | - |
| Potassium | mEq/L | ISE Direct | 61 | 3.8 | 0.2 | 0.03 | 3.5-4.1 | - | - |
| Protein (Total) | g/dl | Biuret, reagent blank, end point | 34 | 5.7 | 0.4 | 0.09 | 4.8-6.5 | - | - |
| Sodium | mEq/L | ISE Direct | 62 | 137.7 | 4.2 | 0.67 | 129.2-146.2 | - | - |
| SGPT/ALT | U/L | UV without P5P | 34 | 29.9 | 3.9 | 0.83 | 22.2-37.6 | - | - |
| SGOT/AST | U/L | UV without P5P | 34 | 29.4 | 3.1 | 0.66 | 23.3-35.5 | - | - |
| Triglyceride | mg/dL | Enzymatic, end point | 39 | 91.5 | 7.9 | 1.57 | 75.8-107.2 | - | - |
| Urea | mg/dL | Urease, UV | 46 | 43.5 | 3.5 | 0.65 | 36.5-50.6 | - | - |
| Uric Acid | mg/dl | Uricase, Colorimetric | 60 | 5.7 | 0.5 | 0.09 | 4.6-6.7 | - | - |

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:

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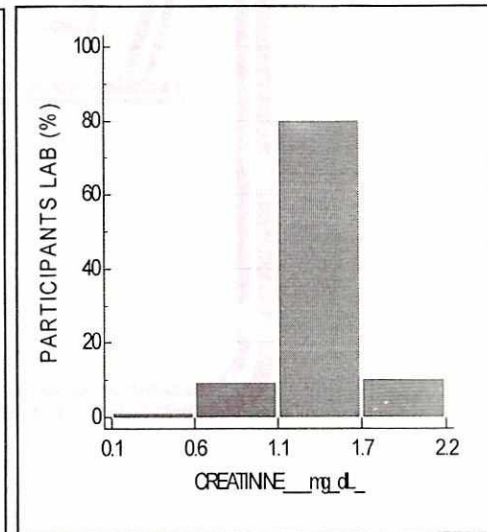
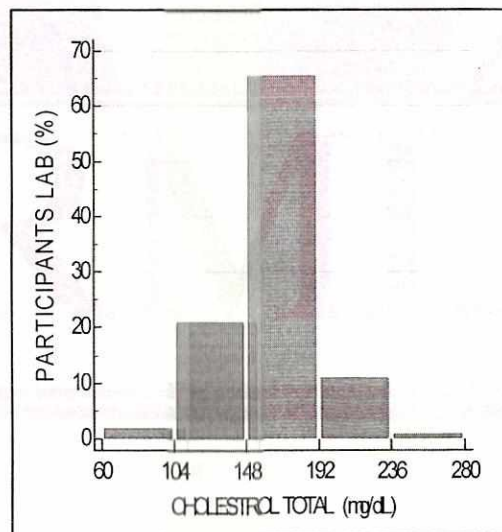
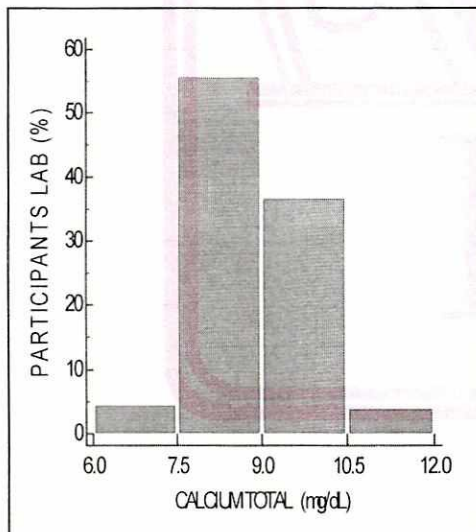
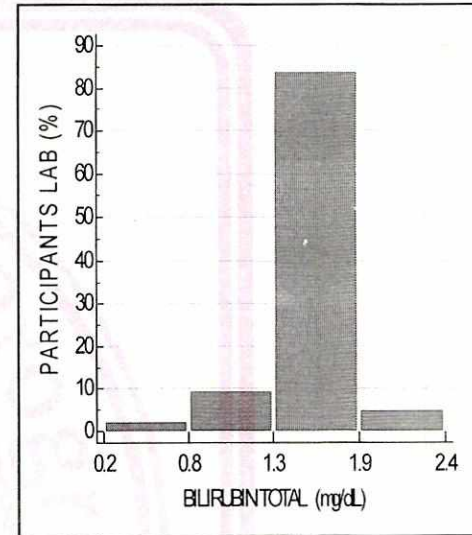
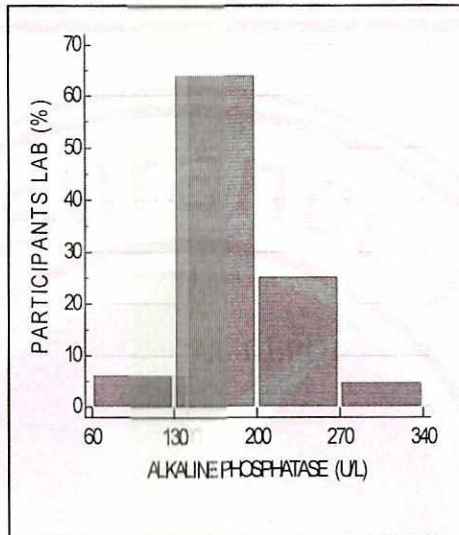
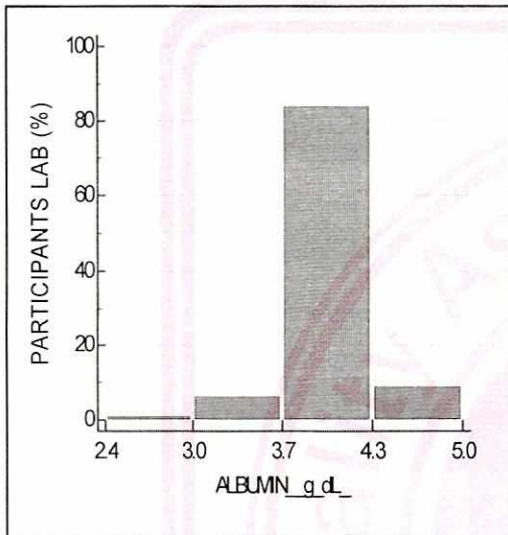
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BIO-CHEMISTRY

GRAPHICAL REPORT

Cycle - 11/2022
Round-7

Date:01/08/2022

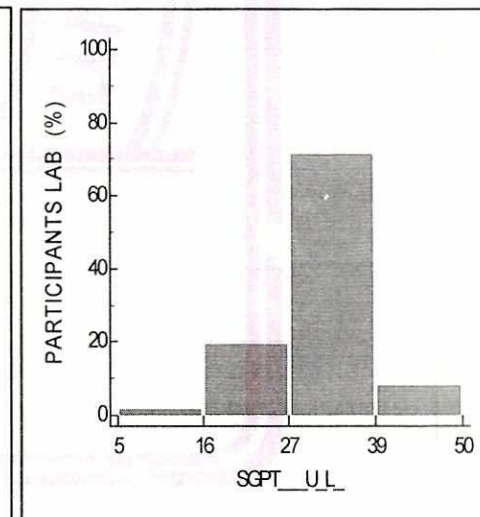
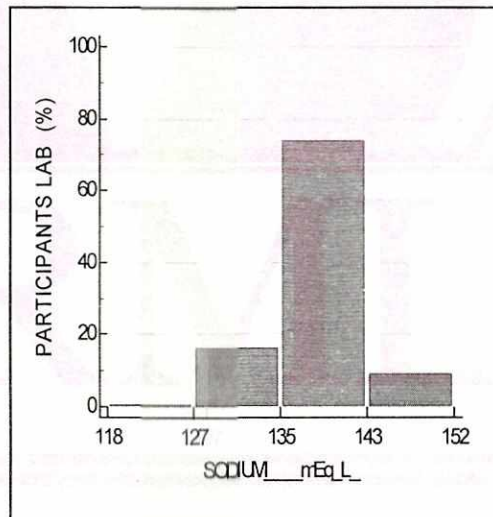
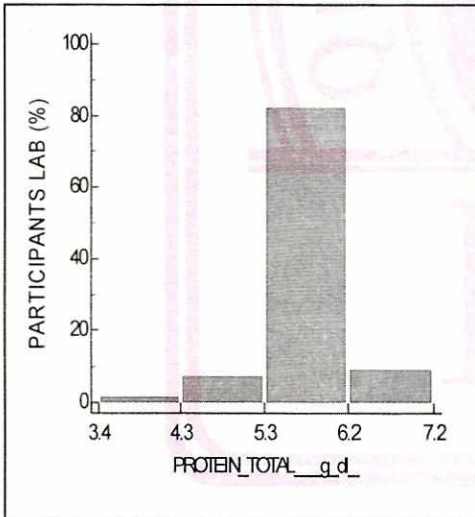
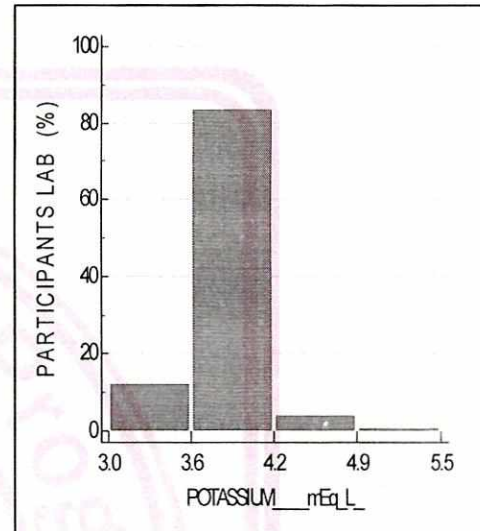
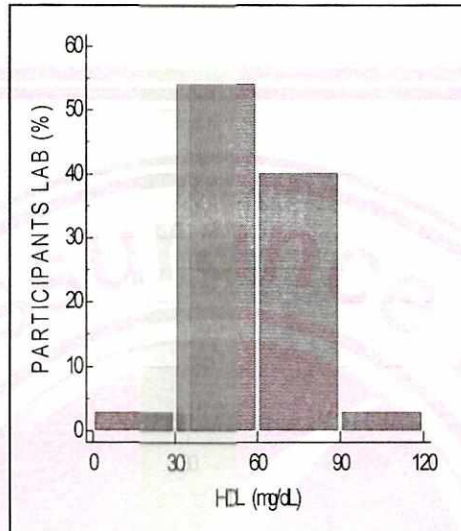
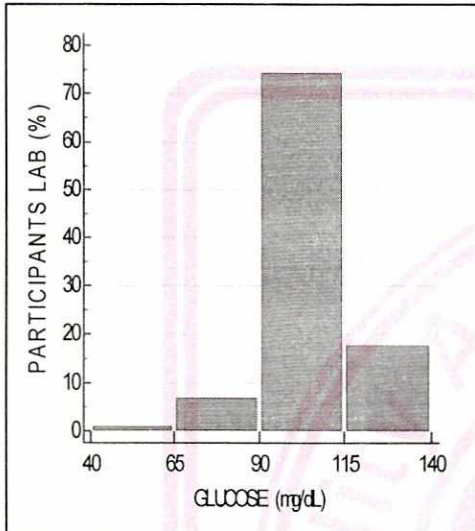


BIO-CHEMISTRY

GRAPHICAL REPORT

Cycle - 11/2022
Round-7

Date:01/08/2022



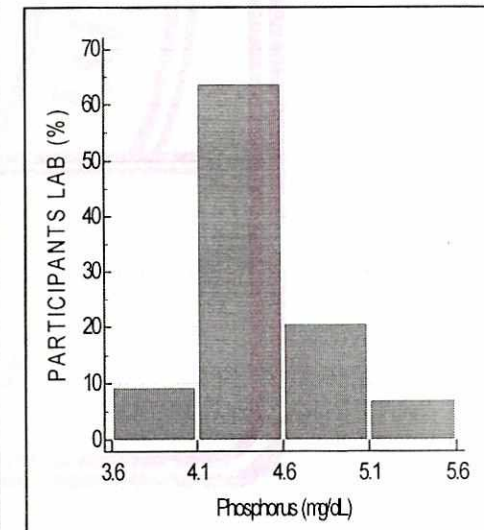
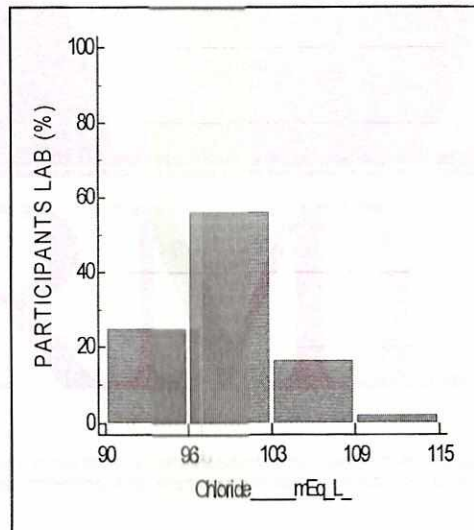
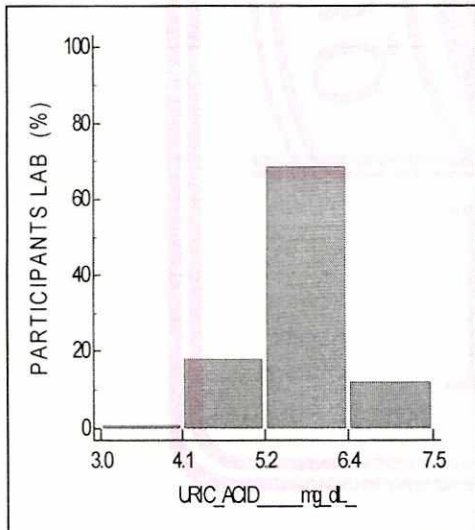
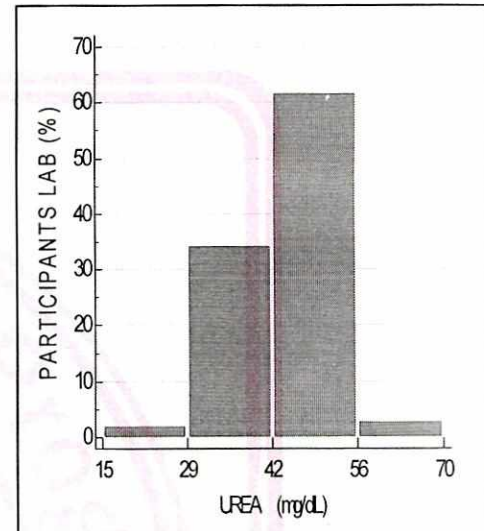
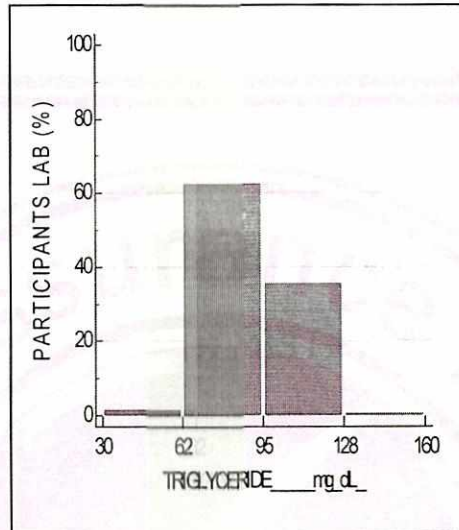
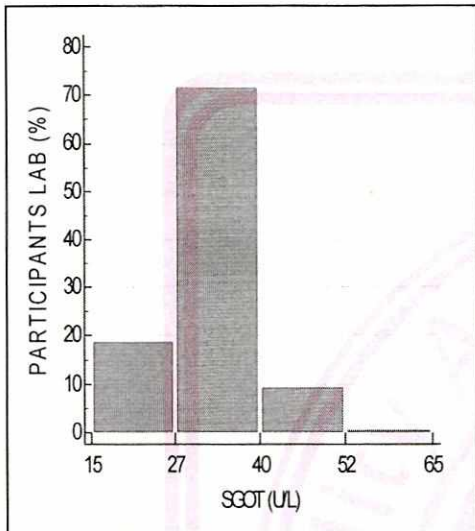
BIO-CHEMISTRY

GRAPHICAL REPORT

Cycle - 11/2022

Round-7

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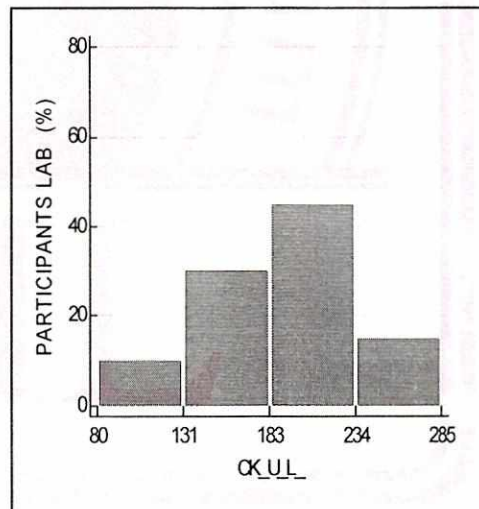
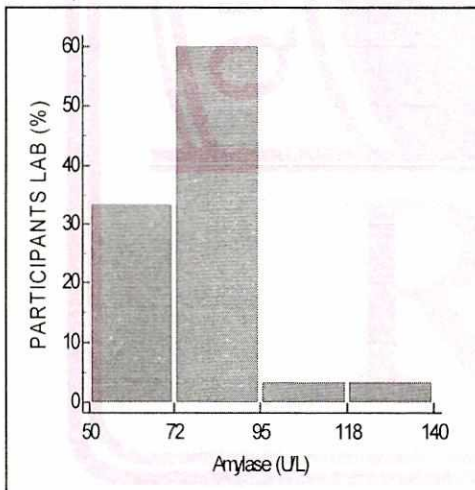
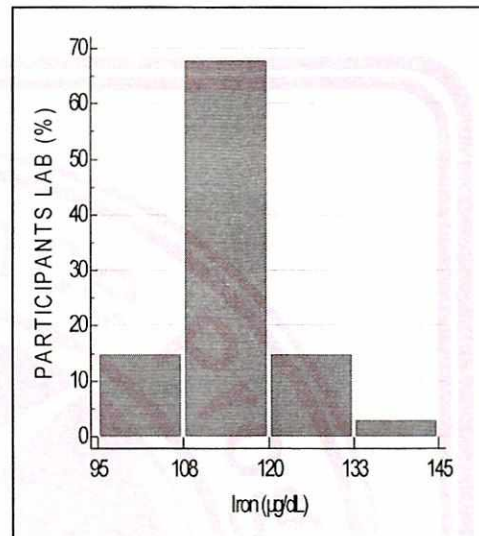
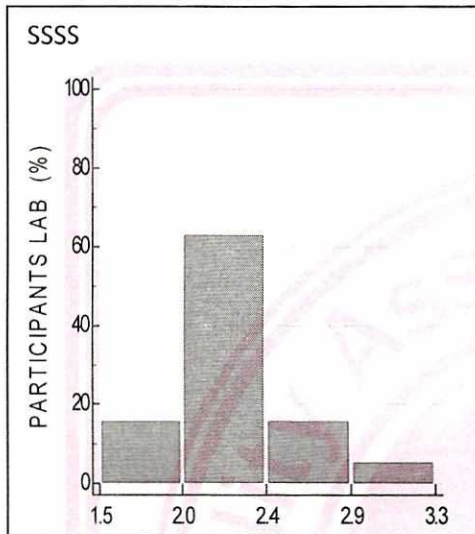


BIO-CHEMISTRY

GRAPHICAL REPORT

Cycle - 11/2022
Round-7

Date:01/08/2022



Biochemistry

ALL PARTICIPANTS COMPLETE DATA REPORT

Cycle - 11/2022

Round No -7

Date: 01/08/2022

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 | 251 | 227 | 6 | 205 | 11 | 11 |
| Alkaline Phosphatase | 251 | 217 | 3 | 200 | 7 | 10 |
| Bilirubin Total | 251 | 226 | 2 | 204 | 10 | 12 |
| Calcium(Total) | 251 | 196 | 9 | 172 | 10 | 14 |
| Cholesterol (Total) | 251 | 222 | 1 | 209 | 6 | 7 |
| Creatinine | 251 | 230 | 1 | 205 | 16 | 9 |
| Glucose | 251 | 231 | 1 | 213 | 10 | 8 |
| HDL | 251 | 210 | 0 | 200 | 7 | 3 |
| Potassium | 251 | 187 | 5 | 170 | 8 | 9 |
| Protien (Total) | 251 | 222 | 7 | 199 | 9 | 14 |
| Sodium | 251 | 189 | 4 | 171 | 11 | 7 |
| SGPT/ALT | 251 | 225 | 2 | 196 | 16 | 13 |
| SGOT/AST | 251 | 226 | 1 | 201 | 11 | 14 |
| Triglyceride | 251 | 222 | 2 | 205 | 10 | 7 |
| Urea | 251 | 229 | 3 | 202 | 8 | 19 |
| Uric Acid | 251 | 227 | 10 | 195 | 15 | 17 |

****End of Report****

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