



RML- Quality Assurance Program (RML-QAP)



BIO-CHEMISTRY-02

ALL METHOD REPORT

Lab Code: 3377

Cycle - 13/2024

Round No - 04

Date: 30.04.2024

| Parameters | Units | No. of Participants | Robust Mean | Robust Standard deviation (SD) | Uncertainty of Assign Values | Range (± 2 SD) | Your Value | Z Score |
|----------------------|-------|---------------------|-------------|--------------------------------|------------------------------|---------------------|------------|---------|
| Albumin | g/dL | 105 | 3.0 | 0.2 | 0.02 | 2.6-3.4 | 2.9 | -0.6 |
| Alkaline Phosphatase | U/L | 104 | 337.2 | 49.4 | 6.06 | 238.4-436.0 | 341 | 0.1 |
| Bilirubin (Total) | mg/dL | 106 | 5.2 | 0.5 | 0.07 | 4.1-6.3 | 4.0 | -2.2 |
| Calcium (Total) | mg/dL | 99 | 12.5 | 0.5 | 0.07 | 11.4-13.5 | 12.7 | 0.4 |
| Cholesterol (Total) | mg/dL | 104 | 279.8 | 12.6 | 1.54 | 254.7-305.0 | 271 | -0.7 |
| Creatinine | mg/dL | 106 | 4.5 | 0.3 | 0.03 | 4.0-5.1 | 5.2 | 2.5 |
| Glucose | mg/dL | 105 | 273.8 | 16.3 | 1.99 | 241.1-306.4 | 270 | -0.2 |
| HDL | mg/dL | 100 | 106.8 | 13.6 | 1.70 | 79.6-134.0 | 90.7 | -1.2 |
| Potassium | mEq/L | 86 | 5.8 | 0.3 | 0.04 | 5.1-6.4 | 5.8 | 0.1 |
| Protein (Total) | g/dl | 105 | 4.7 | 0.3 | 0.04 | 4.0-5.4 | 5.1 | 1.2 |
| Sodium | mEq/L | 87 | 154.9 | 4.8 | 0.65 | 145.3-164.5 | 154 | -0.2 |
| SGPT/ALT | U/L | 106 | 131.8 | 12.4 | 1.51 | 107.0-156.6 | 125 | -0.6 |
| SGOT/AST | U/L | 106 | 143.6 | 12.8 | 1.56 | 117.9-169.2 | 137 | -0.5 |
| Triglyceride | mg/dL | 105 | 250.0 | 13.5 | 1.64 | 223.0-276.9 | 236 | -1.0 |
| Urea | mg/dL | 106 | 118.1 | 6.7 | 0.82 | 104.6-131.6 | 125 | 1.0 |
| Uric Acid | mg/dl | 104 | 9.2 | 0.5 | 0.07 | 8.1-10.3 | 9.7 | 0.9 |
| Chloride | mEq/L | 91 | 110.2 | 4.6 | 0.60 | 101.1-119.3 | 109 | -0.3 |
| Phosphorus | mg/dL | 71 | 6.8 | 0.3 | 0.05 | 6.2-7.5 | *5.6 | -3.9 |
| Magnesium | mg/dl | 28 | 4.5 | 0.3 | 0.08 | 3.9-5.2 | . | - |
| Iron | µg/dL | 64 | 212.0 | 9.1 | 1.42 | 193.9-230.2 | 226 | 1.5 |
| Amylase | U/L | 50 | 276.6 | 27.4 | 4.85 | 221.8-331.5 | . | - |
| CK | U/L | 21 | 472.3 | 54.4 | 14.83 | 363.6-581.1 | . | - |

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 |
|---------|------------------------------|------------------|---------------------------|-----------------------------|
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Checked By:

Page 1 of 8

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