



# RML – Quality Assurance Program (RML – QAP)



## BIO-CHEMISTRY-02

### ALL METHOD REPORT

Cycle - 11/2022

Lab Code: 2544

Round No - 8

Date: 7/09/2022

| Parameters           | Units | No.of. Participants | Group Mean | Standard deviation (SD) | Uncertainty of Assign Values | Range ( $\pm 2$ SD) | Your Value | Standard Deviation Index (SDI) |
|----------------------|-------|---------------------|------------|-------------------------|------------------------------|---------------------|------------|--------------------------------|
| Albumin              | g/dL  | 221                 | 2.9        | 0.2                     | 0.02                         | 2.5-3.3             | 2.9        | 0.0                            |
| Alkaline Phosphatase | U/L   | 213                 | 322.5      | 74.1                    | 6.35                         | 174.3-470.7         | 430        | 1.5                            |
| Bilirubin Total      | mg/dL | 221                 | 5.0        | 0.5                     | 0.04                         | 3.9-6.0             | 5.2        | 0.4                            |
| Calcium(Total)       | mg/dL | 193                 | 12.3       | 0.9                     | 0.08                         | 10.4-14.1           | 13.6       | 1.4                            |
| Cholesterol (Total)  | mg/dL | 216                 | 271.4      | 16.0                    | 1.36                         | 239.4-303.4         | 257        | -0.9                           |
| Creatinine           | mg/dL | 225                 | 4.2        | 0.4                     | 0.03                         | 3.4-5.0             | 4.0        | -0.5                           |
| Glucose              | mg/dL | 226                 | 261.5      | 16.9                    | 1.41                         | 227.8-295.3         | 263        | 0.1                            |
| HDL                  | mg/dL | 206                 | 87.8       | 31.8                    | 2.77                         | 24.3-151.4          | 55.7       | -1.0                           |
| Potassium            | mEq/L | 184                 | 5.8        | 0.3                     | 0.03                         | 5.2-6.4             | 6.0        | 0.7                            |
| Protein (Total)      | g/dl  | 217                 | 4.6        | 0.4                     | 0.03                         | 3.8-5.5             | 4.9        | 0.8                            |
| Sodium               | mEq/L | 184                 | 154.8      | 5.2                     | 0.48                         | 144.3-165.3         | 156.9      | 0.4                            |
| SGPT/ALT             | U/L   | 221                 | 122.9      | 12.2                    | 1.03                         | 98.4-147.6          | 125        | 0.2                            |
| SGOT/AST             | U/L   | 221                 | 130.4      | 13.3                    | 1.12                         | 103.9-156.9         | 129        | -0.1                           |
| Triglyceride         | mg/dL | 216                 | 251.8      | 15.2                    | 1.29                         | 221.4-282.1         | 248        | -0.3                           |
| Urea                 | mg/dL | 224                 | 114.7      | 11.1                    | 0.93                         | 92.6-136.9          | 111        | -0.3                           |
| Uric Acid            | mg/dl | 221                 | 9.2        | 0.8                     | 0.07                         | 7.5-10.8            | 10.5       | 1.6                            |
| Chloride             | mEq/L | 49                  | 115.8      | 4.4                     | 0.79                         | 107.0-124.6         | 114.7      | -0.1                           |
| Phosphorus           | mg/dL | 44                  | 6.8        | 0.4                     | 0.08                         | 5.9-7.6             | 7.0        | 0.5                            |
| Magnesium            | mg/dl | 20                  | 4.1        | 0.7                     | 0.20                         | 2.7-5.5             | .          | -                              |
| Iron                 | µg/dL | 38                  | 216.0      | 13.9                    | 2.82                         | 188.3-243.7         | 215        | -0.1                           |
| Amylase              | U/L   | 31                  | 262.1      | 36.5                    | 8.19                         | 189.2-335.0         | .          | -                              |
| CK                   | U/L   | 21                  | 547.3      | 125.0                   | 34.10                        | 297.3-797.4         | .          | -                              |

#### Interpretation of SDI:

| SDI Value(+/-) | 0 - 0.5               | 0.6 - 0.9        | 1.0 - 2.0              | 2.1 - 2.9                             | $\geq 3$                                     |
|----------------|-----------------------|------------------|------------------------|---------------------------------------|--|
| 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 |
|---------|-------------------------|------------------|-----------------|------------------|
|---------|-------------------------|------------------|-----------------|------------------|

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