



RML- Quality Assurance Program (RML-QAP)



BIO-CHEMISTRY-02

METHOD WISE REPORT -Part-1

Lab Code: 3377

Cycle - 13/2024
Round No - 4

Date: 30/04/2024

Note: Your Lab is not the part of this method group.

| Parameters | Units | Method Group | No.of. Parti- cipants | Robust Mean | Robust Standard deviation (SD) | Uncertainty of Assign Values | Range (± 2 SD) | Your Value | Methodwise Z Score |
|----------------------|-------|--|--------------------------|----------------|---|------------------------------------|------------------------|---------------|-----------------------|
| Albumin | g/dL | Bromcresal Green (BCG) | 51 | 3.0 | 0.2 | 0.03 | 2.7-3.3 | - | - |
| Alkaline Phosphatase | U/L | PNPP | 52 | 321.0 | 33.9 | 5.87 | 253.2-388.7 | - | - |
| Bilirubin Total | mg/dL | Diazonium Ion | 45 | 5.3 | 0.4 | 0.08 | 4.4-6.1 | - | - |
| Calcium(Total) | mg/dL | Arsenazo III | 41 | 12.0 | 0.9 | 0.17 | 10.3-13.7 | - | - |
| Cholesterol (Total) | mg/dL | Cholesterol Oxidase,esterase, peroxidase | 59 | 277.5 | 10.6 | 1.72 | 256.3-298.6 | - | - |
| Creatinine | mg/dL | Alkaline picrate | 50 | 4.6 | 0.2 | 0.04 | 4.1-5.1 | - | - |
| Glucose | mg/dL | Glucose oxidase,hydrogen peroxide(Trinder) | 36 | 261.6 | 19.3 | 4.01 | 223.1-300.1 | - | - |
| HDL | mg/dL | Direct measure | 49 | 104.1 | 14.3 | 2.56 | 75.5-132.7 | - | - |
| Potassium | mEq/L | ISE Direct | 28 | 5.6 | 0.3 | 0.07 | 5.0-6.3 | - | - |
| Protein (Total) | g/dl | Biuret, reagent blank, end point | 55 | 4.7 | 0.3 | 0.06 | 4.0-5.4 | - | - |
| Sodium | mEq/L | ISE Direct | 27 | 153.0 | 4.7 | 1.14 | 143.6-162.5 | - | - |
| SGPT/ALT | U/L | UV Kinetic Enzymatic without PSP | 51 | 136.8 | 12.6 | 2.20 | 119.84-162.75 | - | - |
| SGOT/AST | U/L | UV Kinetic Enzymatic without PSP | 39 | 141.3 | 10.7 | 2.15 | 119.8-162.7 | - | - |
| Triglyceride | mg/dL | Enzymatic method | 56 | 248.5 | 15.0 | 2.51 | 218.4-278.5 | - | - |
| Urea | mg/dL | Urease | 57 | 116.8 | 6.2 | 1.03 | 104.4-129.2 | - | - |
| Uric Acid | mg/dl | Uricase | 56 | 9.2 | 0.4 | 0.07 | 8.4-10.1 | - | - |
| Chloride | mEq/L | ISE Direct | 34 | 109.7 | 4.1 | 0.87 | 101.6-117.8 | - | - |
| Phosphorus | mg/dL | Phosphomolybdate method | 29 | 6.9 | 0.3 | 0.07 | 6.3-7.4 | - | - |
| Magnesium | mg/dl | Xylidyl blue | 15 | 4.6 | 0.3 | 0.10 | 4.0-5.3 | - | - |
| Iron | ug/dL | Ferrozine | 28 | 207.5 | 3.4 | 0.80 | 204.11-210.86 | - | - |
| Amylase | (U/L) | Enzymatic / Direct substrate/G7 PNP | 8 | 288.5 | 25.0 | 11.03 | 238.6-338.4 | - | - |
| CK | (U/L) | Enzymatic/BPCC/NAC/K inetic | 10 | 479.7 | 66.6 | 26.32 | 346.5-612.8 | - | - |

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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