



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY
CMC EXTERNAL QUALITY ASSURANCE SCHEME
MONTHLY SUMMARY REPORT - FEBRUARY 2023



Lab Name **TELANGANA DIAGNOSTIC HUB** Lab No **18032**
Constituent Group **Chemistry I** Date of Result Entered : **20/02/2023**
PT item **Lyophilized human serum based** Date of Report Published : **08/03/2023**

| Sl.No | Analyte | Method / Principle Name | Analyzer Name | No of Participants | DV | Participants | | Your Value | SDI | U |
|-------|--------------|--|---|--------------------|--------|--------------|-------|--------------|-------|------|
| | | | | | | CV | SD | | | |
| 1 | GLUCOSE | Hexokinase | Any Analyser (Automation / Semi Automation) | 182 | 120.06 | 5.58 | 6.70 | 120 mg/dL | -0.01 | 0.99 |
| 2 | UREA | Urease UV / GLDH | Any Analyser (Automation / Semi Automation) | 648 | 129.71 | 8.40 | 10.90 | 128.7 mg/dL | -0.09 | 0.86 |
| 3 | CREATININE | Enzymatic Colorimetric | Any Analyser (Automation / Semi Automation) | 151 | 5.17 | 6.52 | 0.34 | 4.95 mg/dL | -0.65 | 0.05 |
| 4 | T.BILIRUBIN | Others (DPD, Vanadate Oxidation) | Any Analyser (Automation / Semi Automation) | 211 | 1.48 | 14.72 | 0.22 | 1.8 mg/dL | 1.47 | 0.03 |
| 5 | T-PROTEIN | Biuret - Colorimetric | Any Analyser (Automation / Semi Automation) | 1100 | 4.63 | 9.80 | 0.45 | 4.1 g/dL | -1.17 | 0.03 |
| 6 | ALBUMIN | BCG - colorimetric | Any Analyser (Automation / Semi Automation) | 730 | 2.91 | 8.69 | 0.25 | 2.7 g/dL | -0.83 | 0.02 |
| 7 | CALCIUM | OCPC (O - Cresolphthalein Complezone) | Any Analyser (Automation / Semi Automation) | 195 | 10.23 | 8.50 | 0.87 | 10.4 mg/dL | 0.20 | 0.12 |
| 8 | URIC ACID | Enzymatic / Uricase Colorimetric | Any Analyser (Automation / Semi Automation) | 1011 | 6.92 | 10.14 | 0.70 | 6.2 mg/dL | -1.03 | 0.04 |
| 9 | CHOLESTEROL | CHOD-PAP | Any Analyser (Automation / Semi Automation) | 1046 | 98.66 | 7.43 | 7.33 | 100 mg/dL | 0.18 | 0.45 |
| 10 | TRIGLYCERIDE | GPO-PAP / Enzymatic Colorimetric / End Point | Any Analyser (Automation / Semi Automation) | 988 | 87.48 | 8.82 | 7.72 | 92 mg/dL | 0.59 | 0.49 |
| 11 | HDL | Direct method / Enzymatic colorimetric | Any Analyser (Automation / Semi Automation) | 714 | 28.16 | 19.26 | 5.42 | 20.3 mg/dL | -1.45 | 0.41 |
| 12 | SODIUM | ISE - Direct | Any Analyser (Automation / Semi Automation) | 1147 | 120.46 | 4.12 | 4.96 | 126.4 mmol/L | 1.20 | 0.29 |
| 13 | POTASSIUM | ISE - Direct | Any Analyser (Automation / Semi Automation) | 1129 | 5.00 | 5.46 | 0.27 | 4.86 mmol/L | -0.51 | 0.02 |
| 14 | CHLORIDE | ISE - Direct | Any Analyser (Automation / Semi Automation) | 921 | 92.85 | 4.47 | 4.15 | 98.7 mmol/L | 1.41 | 0.27 |
| 15 | AST | UV kinetic(with & without PLP (P-5-P)) | Any Analyser (Automation / Semi Automation) | 1021 | 190.14 | 15.11 | 28.72 | 251 U/L | 2.12 | 1.80 |
| 16 | ALT | UV kinetic(with & without PLP (P-5-P)) | Any Analyser (Automation / Semi Automation) | 1025 | 49.30 | 15.70 | 7.74 | 52 U/L | 0.35 | 0.48 |
| 17 | AMYLASE | Enzymatic Colorimetric / G7PNP Blocked | Any Analyser (Automation / Semi Automation) | 187 | 79.27 | 16.96 | 13.45 | 102 U/L | 1.69 | 1.97 |

| SDI Range | Interpretation |
|-----------------------|--|
| Within -1.00 to +1.00 | Excellent. |
| Within ±1.01 to ±2.00 | Good. |
| Within ±2.01 to ±2.99 | Accept with caution. Warning Signal. |
| Beyond ±3.0 | Unacceptable performance. Action Signal. |

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Homogeneity and Stability of the sample is passed.
Data in CMC EQAS reports is confidential
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******* End of Report *******