



CHRISTIAN MEDICAL COLLEGE

VELLORE, TAMIL NADU - 632004. INDIA

DEPARTMENT OF CLINICAL BIOCHEMISTRY
CMC EXTERNAL QUALITY ASSURANCE SCHEME



PC-1024

MONTHLY SUMMARY REPORT - JANUARY 2025

LAB NO: 14855

LAB NAME: TRUSTLAB DIAGNOSTICS PVT LTD

CONSTITUENT GROUP

Chemistry I

Date of Result Entered: 18/01/2025

PT Item: Lyophilized human serum based

Date of Result Published: 10/02/2025

| S. No. | Analyte | Method / Principle | Analyser | No. of Participants | AV | Participants | | Your Value | Z Score | u* |
|--------|--------------|---|--|---------------------|--------|--------------|------|-----------------|---------|------|
| | | | | | | CV | SDPA | | | |
| 1 | GLUCOSE | Hexokinase | Beckman AU480/680/5800/DXC70 0AU | 152 | 131.74 | 3.94 | 5.19 | 129 mg/dL | 1.12 | 0.84 |
| 2 | UREA | Urease UV / GLDH | Beckman AU480/680/5800/DXC70 0AU | 185 | 37.26 | 6.16 | 2.29 | 32.3 mg/dL | -2.17 | 0.34 |
| 3 | CREATININE | Jaffes Kinetic - Alkaline picrate | Beckman AU480/680/5800/DXC70 0AU | 116 | 1.66 | 6.59 | 0.11 | 1.49 mg/dL | -1.55 | 0.02 |
| 4 | T.BILIRUBIN | Diazonium salt (Colorimetric) / Jendrassik | Beckman AU480/680/5800/DXC70 0AU | 133 | 2.93 | 4.98 | 0.15 | 3 mg/dL | 0.47 | 0.03 |
| 5 | T-PROTEIN | Biuret - Colorimetric | Beckman AU480/680/5800/DXC70 0AU | 179 | 5.14 | 4 | 0.21 | 5.1 g/dL | -0.19 | 0.03 |
| 6 | ALBUMIN | BCG - colorimetric | Beckman AU480/680/5800/DXC70 0AU | 179 | 3.27 | 3.82 | 0.12 | 3.5 g/dL | 1.92 | 0.02 |
| 7 | CALCIUM | Arsenazo III | Beckman AU480/680/5800/DXC70 0AU | 179 | 9.44 | 3.27 | 0.31 | 9.8 mg/dL | 1.16 | 0.05 |
| 8 | PHOSPHORUS | Molybdate UV / Phosphomolybdate complex | Beckman AU480/680/5800/DXC70 0AU | 139 | 4 | 5.19 | 0.21 | 4 mg/dL | 0 | 0.04 |
| 9 | URIC ACID | Enzymatic / Uricase Colorimetric | Beckman AU480/680/5800/DXC70 0AU | 175 | 3.91 | 3.82 | 0.15 | 3.8 mg/dL | -0.73 | 0.02 |
| 10 | CHOLESTEROL | CHOD-PAP | Beckman AU480/680/5800/DXC70 0AU | 176 | 116 | 5.11 | 5.92 | 114 mg/dL | -0.34 | 0.89 |
| 11 | TRIGLYCERIDE | GPO-PAP / Enzymatic Colorimetric / End Point | Beckman AU480/680/5800/DXC70 0AU | 177 | 109.63 | 7.27 | 7.97 | 109 mg/dL | -0.08 | 1.2 |
| 12 | HDL | Direct method / Enzymatic colorimetric | Beckman AU480/680/5800/DXC70 0AU | 163 | 24 | 6.74 | 1.62 | 24 mg/dL | 0 | 0.25 |
| 13 | SODIUM | ISE - Direct | Any Analyser (Automation / Semi Automation) | 1409 | 131.46 | 3.21 | 4.22 | 128.4 mmol/L | -0.73 | 0.22 |
| 14 | POTASSIUM | ISE - Direct | Any Analyser (Automation / Semi Automation) | 1408 | 4.05 | 4.99 | 0.2 | 4.05 mmol/L | 0 | 0.01 |



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| | | | | | | CV | SDPA | | | |
| 15 | CHLORIDE | ISE - Direct | Any Analyser (Automation / Semi Automation) | 1125 | 98 | 4.39 | 4.3 | 96.3 mmol/L | -0.4 | 0.26 |
| 16 | AST | UV kinetic(with & without PLP (P-5-P)) | Beckman AU480/680/5800/DXC70 0AU | 171 | 105 | 5.58 | 5.86 | 100 U/L | -0.85 | 0.9 |
| 17 | ALT | UV kinetic(with & without PLP (P-5-P)) | Beckman AU480/680/5800/DXC70 0AU | 171 | 103.07 | 7.97 | 8.21 | 99 U/L | -0.5 | 1.26 |
| 18 | ALP | PNP AMP kinetic | Beckman AU480/680/5800/DXC70 0AU | 172 | 70.02 | 10.55 | 7.39 | 73 U/L | 0.4 | 1.13 |
| 19 | AMYLASE | Enzymatic Colorimetric / G7PNP Blocked | Beckman AU480/680/5800/DXC70 0AU | 39 | 74 | 14.03 | 10.38 | 73.4 U/L | -0.06 | 3.32 |
| 20 | IRON | TPTZ (Tripyridyl-S-triazine) | Beckman AU480/680/5800/DXC70 0AU | 79 | 103.06 | 6.85 | 7.06 | 105 ug/dL | 0.27 | 1.59 |
| 21 | UIBC | Nitroso-PSAP | Beckman AU480/680/5800/DXC70 0AU | 52 | 160 | 8.06 | 12.9 | 182 ug/dL | 1.71 | 3.58 |

u* - method of uncertainty

| Z-Score | Interpretation |
|-------------------|------------------------------|
| $ z \leq 2.0$ | Acceptable |
| $2.0 < z < 3.0$ | Warning Signal |
| $ z \geq 3.0$ | Unacceptable (Action Signal) |

LAB ADDRESS

TRUSTLAB DIAGNOSTICS PVT LTD,
STREET NO.5, PRAKASH NAGAR, BEGUMPET,
TELANGANA

Coordinator Contact Details:

E-Mail: clinqc@cmcvellore.ac.in
Contact No.: 0416-2283102

Homogeneity and Stability of the sample is passed.
Data in CMC EQAS report is confidential.
CMC EQAS does not sub contract any components.
***** End of Report *****

Pamela Christudoss
Dr. Pamela Christudoss,
CMC EQAS Coordinator,
Christian Medical College, Vellore.



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| | | | | | | CV | SDPA | | | |
| 1 | D.BILIRUBIN | Diazonium salt (Colorimetric) / Jendrassik | Beckman AU480/680/5800/DXC70 OAU | 88 | 1.23 | 6.61 | 0.08 | 1.28 mg/dL | 0.63 | 0.02 |

u* - method of uncertainty

| Z-Score | Interpretation |
|-------------------|------------------------------|
| $ z \leq 2.0$ | Acceptable |
| $2.0 < z < 3.0$ | Warning Signal |
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Pamela Christudoss
Dr. Pamela Christudoss,
CMC EQAS Coordinator,
Christian Medical College, Vellore.

Reviewe 2:

- * UREA : warning signal
- * IQC and calibration satisfactory.
- * To observe next cycle

K. Anush 2
10/2/25