



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - MARCH 2022



PC-1024

Lab Name **ALPHA CARE SPECIALITY LAB** Lab No **3555**
 Constituent Group **Chemistry I** Date of Result Entered : **19/03/2022**
 PT item **Lyophilized Serum** Date of Report Published : **06/04/2022**

| Sl.No | Analyte | Method / Principle Name | Analyzer Name | No of Participants | DV | Participants CV | SD | Your Value | SDI | U |
|-------|--------------|--|---|--------------------|--------|-----------------|-------|------------|-------|------|
| 1 | GLUCOSE | GOD-POD | Any Analyser (Automation / Semi Automation) | 684 | 109.22 | 7.91 | 8.64 | 110 mg/dL | 0.09 | 0.66 |
| 2 | UREA | Urease UV / GLDH | Any Analyser (Automation / Semi Automation) | 602 | 81.91 | 9.86 | 8.08 | 77.4 mg/dL | -0.56 | 0.66 |
| 3 | CREATININE | Jaffes End point | Any Analyser (Automation / Semi Automation) | 322 | 4.00 | 10.13 | 0.40 | 3.98 mg/dL | -0.05 | 0.05 |
| 4 | T.BILIRUBIN | Diazonium salt (Colorimetric) / Jendrassik | Any Analyser (Automation / Semi Automation) | 585 | 1.64 | 19.45 | 0.32 | 1.91 mg/dL | 0.84 | 0.03 |
| 5 | T-PROTEIN | Biuret - Colorimetric | Any Analyser (Automation / Semi Automation) | 669 | 5.08 | 8.75 | 0.44 | 4.72 g/dL | -0.81 | 0.03 |
| 6 | ALBUMIN | BCG - colorimetric | Any Analyser (Automation / Semi Automation) | 670 | 3.14 | 9.40 | 0.30 | 3.2 g/dL | 0.20 | 0.02 |
| 7 | CALCIUM | Arsenazo III | Any Analyser (Automation / Semi Automation) | 530 | 8.78 | 9.38 | 0.82 | 8.49 mg/dL | -0.35 | 0.07 |
| 8 | PHOSPHORUS | Molybdate UV / Phosphomolybdate complex | Any Analyser (Automation / Semi Automation) | 353 | 3.92 | 14.75 | 0.58 | 3.74 mg/dL | -0.31 | 0.06 |
| 9 | URIC ACID | Enzymatic / Uricase Colorimetric | Any Analyser (Automation / Semi Automation) | 652 | 7.92 | 9.76 | 0.77 | 8 mg/dL | 0.10 | 0.06 |
| 10 | CHOLESTEROL | CHOD-PAP | Any Analyser (Automation / Semi Automation) | 718 | 105.94 | 8.93 | 9.46 | 105 mg/dL | -0.10 | 0.71 |
| 11 | TRIGLYCERIDE | GPO-PAP / Enzymatic Colorimetric / End Point | Any Analyser (Automation / Semi Automation) | 636 | 203.88 | 9.36 | 19.08 | 235 mg/dL | 1.63 | 1.51 |
| 12 | HDL | Direct method / Enzymatic colorimetric | Any Analyser (Automation / Semi Automation) | 460 | 26.17 | 15.35 | 4.02 | 23.4 mg/dL | -0.69 | 0.37 |
| 13 | SODIUM | ISE - Direct | Any Analyser (Automation / Semi Automation) | 920 | 124.76 | 4.58 | 5.71 | 119 mmol/L | -1.01 | 0.38 |
| 14 | POTASSIUM | ISE - Direct | Any Analyser (Automation / Semi Automation) | 882 | 2.97 | 6.60 | 0.20 | 2.9 mmol/L | -0.36 | 0.01 |
| 15 | CHLORIDE | ISE - Direct | Any Analyser (Automation / Semi Automation) | 702 | 91.37 | 5.08 | 4.64 | 87 mmol/L | -0.94 | 0.35 |
| 16 | AST | UV kinetic(with & without PLP (P-5-P)) | Any Analyser (Automation / Semi Automation) | 596 | 227.23 | 11.16 | 25.36 | 235 U/L | 0.31 | 2.08 |
| 17 | ALT | UV kinetic(with & without PLP (P-5-P)) | Any Analyser (Automation / Semi Automation) | 558 | 145.58 | 16.87 | 24.56 | 152 U/L | 0.26 | 2.08 |
| 18 | ALP | PNP AMP kinetic | Any Analyser (Automation / Semi Automation) | 466 | 187.79 | 15.32 | 28.77 | 188 U/L | 0.01 | 2.67 |

| 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.

LAB ADDRESS :**ALPHA CARE SPECIALITY LAB****D.J. COMPLEX, DEVARSHOLA ROAD, THE NILGIRIS****GUDALUR****TAMILNADU643212****Coordinator Contact Details:****Email: clinq@cmcvellore.ac.in****Contact Number: 0416-2283102***Pamela Christudoss***Dr. Pamela Christudoss****CMC EQAS Coordinator****Christian Medical College, Vellore****Homogeneity and Stability of the sample is passed.****Data in CMC EQAS reports is confidential****CMC EQAS does not sub contract any components********* End of Report *******