



# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - SEPTEMBER 2022



PC-1024

Lab Name: KUNNAMANGALAM NEETHI MEDICAL LABORATORY AND X-RAY CENTRE

Lab No: 16325

Constituent Group: Chemistry I

Date of Result Entered: 10/09/2022

PT Item: Lyophilized Serum

Date of Report Published: 05/10/2022

| Sl.No | Analyte      | Method / Principle Name                      | Analyzer Name    | No of Participants | DV     | Participants |       | Your Value   | SDI   | U    |
|-------|--------------|--|------------------|--------------------|--------|--------------|-------|--------------|-------|------|
|       |              |  |                  |                    |        | CV           | SD    |              |       |      |
| 1     | GLUCOSE      | GOD-POD                                      | Transasia / Erba | 957                | 185.74 | 6.16         | 11.43 | 169 mg/dL    | -1.46 | 0.74 |
| 2     | UREA         | Urease UV / GLDH                             | Transasia / Erba | 894                | 100.59 | 7.45         | 7.49  | 86 mg/dL     | -1.95 | 0.50 |
| 3     | CREATININE   | Enzymatic Colorimetric                       | Transasia / Erba | 462                | 3.21   | 6.46         | 0.21  | 2.98 mg/dL   | -1.11 | 0.02 |
| 4     | T.BILIRUBIN  | Diazonium salt ( Colorimetric ) / Jendrassik | Transasia / Erba | 925                | 3.03   | 9.61         | 0.29  | 2.25 mg/dL   | -2.68 | 0.02 |
| 5     | T-PROTEIN    | Biuret - Colorimetric                        | Transasia / Erba | 953                | 5.40   | 8.08         | 0.44  | 4.3 g/dL     | -2.52 | 0.03 |
| 6     | ALBUMIN      | BCG - colorimetric                           | Transasia / Erba | 978                | 3.11   | 5.75         | 0.18  | 2.6 g/dL     | -2.85 | 0.01 |
| 7     | CALCIUM      | Arsenazo III                                 | Transasia / Erba | 678                | 10.43  | 8.73         | 0.91  | 9.3 mg/dL    | -1.24 | 0.07 |
| 8     | URIC ACID    | Enzymatic / Uricase Colorimetric             | Transasia / Erba | 974                | 7.17   | 8.97         | 0.64  | 6.4 mg/dL    | -1.20 | 0.04 |
| 9     | CHOLESTEROL  | CHOD-PAP                                     | Transasia / Erba | 950                | 99.42  | 9.19         | 9.13  | 82 mg/dL     | -1.91 | 0.59 |
| 10    | TRIGLYCERIDE | GPO-PAP / Enzymatic Colorimetric / End Point | Transasia / Erba | 923                | 156.54 | 8.66         | 13.56 | 144 mg/dL    | -0.92 | 0.89 |
| 11    | HDL          | Direct method / Enzymatic colorimetric       | Transasia / Erba | 706                | 25.89  | 11.94        | 3.09  | 22 mg/dL     | -1.26 | 0.23 |
| 12    | SODIUM       | ISE - Direct                                 | Transasia / Erba | 218                | 135.34 | 3.30         | 4.47  | 120.9 mmol/L | -3.23 | 0.60 |
| 13    | POTASSIUM    | ISE - Direct                                 | Transasia / Erba | 211                | 3.13   | 5.25         | 0.16  | 2.79 mmol/L  | -2.07 | 0.02 |
| 14    | CHLORIDE     | ISE - Direct                                 | Transasia / Erba | 167                | 96.43  | 4.29         | 4.14  | 88.6 mmol/L  | -1.89 | 0.64 |
| 15    | AST          | UV kinetic(with & without PLP (P-5-P))       | Transasia / Erba | 843                | 63.00  | 10.06        | 6.34  | 57 U/L       | -0.95 | 0.44 |
| 16    | ALT          | UV kinetic(with & without PLP (P-5-P))       | Transasia / Erba | 831                | 86.68  | 14.46        | 12.54 | 76 U/L       | -0.85 | 0.87 |
| 17    | ALP          | PNP AMP kinetic                              | Transasia / Erba | 867                | 66.65  | 15.42        | 10.28 | 54 U/L       | -1.23 | 0.70 |

| 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 :  
KUNNAMANGALAM NEETHI MEDICAL LABORATORY AND X-RAY CENTRE  
KUNNAMANGALAM  
KOZHIKODE  
KERALA 673571

Coordinator Contact Details:  
Email: [clinqc@cmcvellore.ac.in](mailto:clinqc@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 \*\*\*\*\*

| No | Analyte      | Corrective Action taken | Value Observed | Remarks  |
|----|--------------|-------------------------|----------------|----------|
| 1  | T. Bilirubin | Recalibrated            | 3              | Accepted |
| 2  | T- protein   | Recalibrated            | 5              | Accepted |
| 3  | Albumin      | Recalibrated            | 3              | Accepted |
| 4  | Sodium       | Recalibrated            | 135            | Accepted |
| 5  | Potassium    | Recalibrated            | 3              | Accepted |

06/10/2022

Anusree N.K *[Signature]*