

CHRISTIAN MEDICAL COLLEGE  
DEPARTMENT OF CLINICAL BIOCHEMISTRY  
CMC EXTERNAL QUALITY ASSURANCE SCHEME  
MONTHLY SUMMARY REPORT - November 2022

Lab Name  
Constituent Group  
PT item

DR KENNEDYS DIAGNOSTIC WORLD  
Chemistry I  
Lyophilized Serum

Lab No  
Date of Result Entered :  
Date of Report Published :

15238  
09/11/2022  
06/12/2022

| Sl.No | Analyte      | Method / Principle Name                      | Analyzer Name                                | No of Participants | DV     | Participants |       | Your Value | SDI   | U    |
|-------|--------------|--|--|--------------------|--------|--------------|-------|------------|-------|------|
|       |              |  |  |                    |        | CV           | SD    |            |       |      |
| 1     | GLUCOSE      | GOD-POD                                      | Any Analyser (Automation / Semi Automation ) | 763                | 313.45 | 7.18         | 22.50 | 280 mg/dL  | -1.49 | 1.63 |
| 2     | UREA         | Urease UV / GLDH                             | Any Analyser (Automation / Semi Automation ) | 672                | 56.51  | 9.35         | 5.28  | 86 mg/dL   | 5.59  | 0.41 |
| 3     | CREATININE   | Jaffes Kinetic - Alkaline picrate            | Any Analyser (Automation / Semi Automation ) | 535                | 3.94   | 10.35        | 0.41  | 3.2 mg/dL  | -1.81 | 0.04 |
| 4     | T.BILIRUBIN  | Diazonium salt ( Colorimetric ) / Jendrassik | Any Analyser (Automation / Semi Automation ) | 648                | 1.84   | 18.01        | 0.33  | 1.6 mg/dL  | -0.73 | 0.03 |
| 5     | T-PROTEIN    | Biuret - Colorimetric                        | Any Analyser (Automation / Semi Automation ) | 741                | 5.69   | 7.80         | 0.44  | 6.7 g/dL   | 2.27  | 0.03 |
| 6     | ALBUMIN      | BCG - colorimetric                           | Any Analyser (Automation / Semi Automation ) | 743                | 3.43   | 8.07         | 0.28  | 3.2 g/dL   | -0.83 | 0.02 |
| 7     | CALCIUM      | OCPC ( O - Cresolphthalein Compleazone )     | Any Analyser (Automation / Semi Automation ) | 220                | 10.25  | 7.85         | 0.80  | 11.5 mg/dL | 1.55  | 0.11 |
| 8     | PHOSPHORUS   | Molybdate UV / Phosphomolybdate complex      | Any Analyser (Automation / Semi Automation ) | 440                | 4.29   | 14.40        | 0.62  | 4.1 mg/dL  | -0.31 | 0.06 |
| 9     | URIC ACID    | Enzymatic / Uricase Colorimetric             | Any Analyser (Automation / Semi Automation ) | 767                | 9.00   | 10.83        | 0.97  | 7 mg/dL    | -2.05 | 0.07 |
| 10    | CHOLESTEROL  | CHOD-PAP                                     | Any Analyser (Automation / Semi Automation ) | 749                | 116.64 | 7.85         | 9.16  | 115 mg/dL  | -0.18 | 0.67 |
| 11    | TRIGLYCERIDE | GPO-PAP / Enzymatic Colorimetric / End Point | Any Analyser (Automation / Semi Automation ) | 742                | 220.65 | 8.78         | 19.38 | 214 mg/dL  | -0.34 | 1.42 |
| 12    | HDL          | Direct method / Enzymatic colorimetric       | Any Analyser (Automation / Semi Automation ) | 521                | 28.19  | 15.91        | 4.49  | 28 mg/dL   | -0.04 | 0.39 |
| 13    | SODIUM       | ISE - Direct                                 | Any Analyser (Automation / Semi Automation ) | 1072               | 136.98 | 3.30         | 4.53  | 132 mmol/L | -1.10 | 0.28 |
| 14    | POTASSIUM    | ISE - Direct                                 | Any Analyser (Automation / Semi Automation ) | 1085               | 5.35   | 6.56         | 0.35  | 5.1 mmol/L | -0.71 | 0.02 |
| 15    | CHLORIDE     | ISE - Direct                                 | Any Analyser (Automation / Semi Automation ) | 877                | 98.38  | 4.83         | 4.75  | 103 mmol/L | 0.97  | 0.32 |
| 16    | BICARBONATE  | Enzymatic - PEPC ( Phosphoenolpyruvate )     | Any Analyser (Automation / Semi Automation ) | 182                | 22.51  | 11.34        | 2.55  | 22 mmol/L  | -0.20 | 0.38 |
| 17    | AST          | UV kinetic(with & without PLP (P-5-P))       | Any Analyser (Automation / Semi Automation ) | 667                | 155.52 | 11.05        | 17.18 | 149 U/L    | -0.38 | 1.33 |
| 18    | ALT          | UV kinetic(with & without PLP (P-5-P))       | Any Analyser (Automation / Semi Automation ) | 671                | 48.21  | 17.48        | 8.43  | 50 U/L     | 0.21  | 0.65 |
| 19    | ALP          | PNP AMP kinetic                              | Any Analyser (Automation / Semi Automation ) | 503                | 139.79 | 15.45        | 21.59 | 181 U/L    | 1.91  | 1.93 |
| 20    | AMYLASE      | CNPG3  | Any Analyser (Automation / Semi Automation ) | 435                | 91.00  | 17.68        | 16.09 | 111 U/L    | 1.24  | 1.54 |
| 21    | MAGNESIUM    | Others ( Any other principles / Methods)     | Any Analyser (Automation / Semi Automation ) | 89                 | 1.65   | 16.85        | 0.28  | 2.8 mg/dL  | 4.11  | 0.06 |

| 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 :

DR KENNEDYS DIAGNOSTIC WORLD  
A-42A, SKR COMPLEX, HINDU COLONY, MGR ROAD, NANGANALLUR  
CHENNAI  
TAMILNADU600061

Coordinator Contact Details:  
Email:clinqc@cmcvellore.ac.in  
Contact Number: 0416-2283102



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 \*\*\*\*\*