



# CHRISTIAN MEDICAL COLLEGE

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



PC-1024

|                   |                                      |                            |                   |
|-------------------|--------------------------------------|----------------------------|-------------------|
| Lab Name          | <b>KAMAL DIAGNOCARE LLP</b>          | Lab No                     | <b>16404</b>      |
| Constituent Group | <b>Chemistry I</b>                   | Date of Result Entered :   | <b>07/02/2023</b> |
| PT Item           | <b>Lyophilized human serum based</b> | Date of Report Published : | <b>08/03/2023</b> |

| 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) | 1075               | 123.23 | 8.16         | 10.05 | 123 mg/dL   | -0.02 | 0.61 |
| 2     | UREA         | Others ( Urease Berthelot / Ned Dye )        | Any Analyser (Automation / Semi Automation) | 144                | 128.33 | 8.62         | 11.07 | 108.8 mg/dL | -1.76 | 1.84 |
| 3     | CREATININE   | Enzymatic Colorimetric                       | Any Analyser (Automation / Semi Automation) | 151                | 5.17   | 6.52         | 0.34  | 4.96 mg/dL  | -0.62 | 0.05 |
| 4     | T.BILIRUBIN  | Others ( DPD, Vanadate Oxidation )           | Any Analyser (Automation / Semi Automation) | 211                | 1.48   | 14.72        | 0.22  | 1.64 mg/dL  | 0.73  | 0.03 |
| 5     | T-PROTEIN    | Biuret - Colorimetric                        | Any Analyser (Automation / Semi Automation) | 1100               | 4.63   | 9.80         | 0.45  | 4.63 g/dL   | 0.00  | 0.03 |
| 6     | ALBUMIN      | BCG - colorimetric                           | Any Analyser (Automation / Semi Automation) | 730                | 2.91   | 8.69         | 0.25  | 2.89 g/dL   | -0.08 | 0.02 |
| 7     | CALCIUM      | Arsenazo III                                 | Any Analyser (Automation / Semi Automation) | 896                | 10.41  | 6.97         | 0.72  | 10.7 mg/dL  | 0.40  | 0.05 |
| 8     | PHOSPHORUS   | Molybdate UV / Phosphomolybdate complex      | Any Analyser (Automation / Semi Automation) | 390                | 4.03   | 12.07        | 0.49  | 4.51 mg/dL  | 0.99  | 0.05 |
| 9     | URIC ACID    | Enzymatic / Uricase Colorimetric             | Any Analyser (Automation / Semi Automation) | 1011               | 6.92   | 10.14        | 0.70  | 6.91 mg/dL  | -0.01 | 0.04 |
| 10    | CHOLESTEROL  | CHOD-PAP                                     | Any Analyser (Automation / Semi Automation) | 1046               | 98.66  | 7.43         | 7.33  | 85 mg/dL    | -1.86 | 0.45 |
| 11    | TRIGLYCERIDE | GPO-PAP / Enzymatic Colorimetric / End Point | Any Analyser (Automation / Semi Automation) | 988                | 87.48  | 8.82         | 7.72  | 75.4 mg/dL  | -1.57 | 0.49 |
| 12    | HDL          | Direct method / Enzymatic colorimetric       | Any Analyser (Automation / Semi Automation) | 714                | 28.16  | 19.26        | 5.42  | 23.3 mg/dL  | -0.90 | 0.41 |
| 13    | SODIUM       | ISE - Direct                                 | Any Analyser (Automation / Semi Automation) | 1147               | 120.46 | 4.12         | 4.96  | 120 mmol/L  | -0.09 | 0.29 |
| 14    | POTASSIUM    | ISE - Direct                                 | Any Analyser (Automation / Semi Automation) | 1129               | 5.00   | 5.46         | 0.27  | 5.2 mmol/L  | 0.73  | 0.02 |
| 15    | CHLORIDE     | ISE - Direct                                 | Any Analyser (Automation / Semi Automation) | 921                | 92.85  | 4.47         | 4.15  | 91 mmol/L   | -0.45 | 0.27 |
| 16    | AST          | UV kinetic(with & without PLP (P-5-P))       | Any Analyser (Automation / Semi Automation) | 1021               | 190.14 | 15.11        | 28.72 | 200.6 U/L   | 0.36  | 1.80 |
| 17    | ALT          | UV kinetic(with & without PLP (P-5-P))       | Any Analyser (Automation / Semi Automation) | 1025               | 49.30  | 15.70        | 7.74  | 47.7 U/L    | -0.21 | 0.48 |
| 18    | ALP          | PNP DEA kinetic                              | Any Analyser (Automation / Semi Automation) | 338                | 250.37 | 15.97        | 39.99 | 205.2 U/L   | -1.13 | 4.35 |
| 19    | AMYLASE      | CNPG3                                        | Any Analyser (Automation / Semi Automation) | 449                | 79.72  | 17.30        | 13.80 | 94.3 U/L    | 1.06  | 1.30 |
| 20    | IRON         | Ferrene ( No Protein Removal )               | Any Analyser (Automation / Semi Automation) | 119                | 95.69  | 10.53        | 10.07 | 91.3 ug/dL  | -0.44 | 1.85 |
| 21    | UIBC         | Ferrene ( No Protein Removal )               | Any Analyser (Automation / Semi Automation) | 18                 | 111.55 | 11.75        | 13.10 | 128.3 ug/dL | 1.28  | 6.18 |

| SDI Range             | Interpretation |
|-----------------------|----------------|
| Within -1.00 to +1.00 | Excellent.     |

|                                 |                                          |
|---------------------------------|------------------------------------------|
| Within $\pm 1.01$ to $\pm 2.00$ | Good.                                    |
| Within $\pm 2.01$ to $\pm 2.99$ | Accept with caution. Warning Signal.     |
| Beyond $\pm 3.0$                | Unacceptable performance. Action Signal. |

## LAB ADDRESS :

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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 \*\*\*\*\*