



# CHRISTIAN MEDICAL COLLEGE

VELLORE, TAMIL NADU - 632004. INDIA

## DEPARTMENT OF CLINICAL BIOCHEMISTRY CMC EXTERNAL QUALITY ASSURANCE SCHEME



PC-1024

### MONTHLY SUMMARY REPORT - APRIL 2024

LAB NO: 20431  
LAB NAME: **DIAGNOSTICS**

CONSTITUENT GROUP

**Chemistry I**

Date of Result Entered: 19/04/2024

Date of Result Published: 08/05/2024

PT Item: Lyophilized human serum based

| S. No. | Analyte      | Method / Principle                           | Analyser         | No. of Participants | AV     | Participants |       | Your Value  | Z Score | u*   |
|--------|--------------|--|------------------|---------------------|--------|--------------|-------|-------------|---------|------|
|        |              |  |                  |                     |        | CV           | SDPA  |             |         |      |
| 1      | GLUCOSE      | GOD-POD                                      | Transasia / Erba | 1213                | 123.57 | 5.75         | 7.1   | 130.3 mg/dl | 0.94    | 0.44 |
| 2      | UREA         | Urease UV / GLDH                             | Transasia / Erba | 1074                | 36.7   | 9.93         | 3.64  | 41.5 mg/dL  | 1.31    | 0.46 |
| 3      | CREATININE   | Enzymatic Colorimetric                       | Transasia / Erba | 891                 | 1.62   | 12.07        | 0.19  | 1.83 mg/dL  | 1.10    | 0.04 |
| 4      | T.BILIRUBIN  | Diazonium salt ( Colorimetric ) / Jendrassik | Transasia / Erba | 923                 | 2.03   | 14.75        | 0.3   | 1.86 mg/dL  | -0.56   | 0.03 |
| 5      | T-PROTEIN    | Biuret - Colorimetric                        | Transasia / Erba | 1193                | 5.29   | 7.82         | 0.41  | 5.01 g/dL   | -0.68   | 0.02 |
| 6      | ALBUMIN      | BCG - colorimetric                           | Transasia / Erba | 1180                | 3.14   | 9.94         | 0.31  | 3.04 g/dL   | -0.32   | 0.01 |
| 7      | URIC ACID    | Enzymatic / Uricase Colorimetric             | Transasia / Erba | 905                 | 4.93   | 11.04        | 0.54  | 4.34 mg/dL  | -1.09   | 0.07 |
| 8      | CHOLESTEROL  | CHOD-PAP                                     | Transasia / Erba | 1185                | 111.11 | 7.21         | 8.01  | 120.3 mg/dL | 1.14    | 0.53 |
| 9      | TRIGLYCERIDE | GPO-PAP / Enzymatic Colorimetric / End Point | Transasia / Erba | 1164                | 143.21 | 8.56         | 12.26 | 120.5 mg/dL | -1.85   | 0.65 |
| 10     | HDL          | Direct method / Enzymatic colorimetric       | Transasia / Erba | 916                 | 27.08  | 10.43        | 2.83  | 28.67 mg/dL | 0.56    | 0.18 |
| 11     | AST          | UV kinetic(with & without PLP (P-5-P))       | Transasia / Erba | 1108                | 100.67 | 8.3          | 8.36  | 105.4 U/L   | 0.56    | 0.74 |
| 12     | ALT          | UV kinetic(with & without PLP (P-5-P))       | Transasia / Erba | 960                 | 38.99  | 12.15        | 4.74  | 34.4 U/L    | -0.96   | 0.65 |
| 13     | ALP          | PNP AMP kinetic                              | Transasia / Erba | 956                 | 180.71 | 11.32        | 20.46 | 194.8 U/L   | 0.68    | 1.72 |



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|--------|---------|--------------------|----------|---------------------|----|--------------|------|------------|---------|----|
|        |         |                    |          |                     |    | CV           | SDPA |            |         |    |

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

DIAGNOSTICS,  
190B, RASHBEHARI AVENUE, KOLKATA,  
West Bengal

#### Coordinator Contact Details:

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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 \*\*\*\*\*

*Pamela Christudoss*

Dr. Pamela Christudoss,  
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