



CHRISTIAN MEDICAL COLLEGE

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



Lab Name **OMEGA PATH LAB**

Lab No **17939**

Constituent Group **Chemistry I**

Date of Result Entered : **18/01/2023**

PT item **Lyophilized Serum**

Date of Report Published : **09/02/2023**

| 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 | 833 | 180.45 | 5.35 | 9.65 | 196.2 mg/dL | 1.63 | 0.67 |
| 2 | UREA | Urease UV / GLDH | Transasia / Erba | 816 | 30.96 | 8.71 | 2.70 | 20.2 mg/dL | -3.99 | 0.19 |
| 3 | CREATININE | Enzymatic Colorimetric | Transasia / Erba | 418 | 1.36 | 8.14 | 0.11 | 1.32 mg/dL | -0.36 | 0.01 |
| 4 | T.BILIRUBIN | Diazonium salt (Colorimetric) / Jendrassik | Transasia / Erba | 839 | 3.12 | 10.70 | 0.33 | 2.97 mg/dL | -0.45 | 0.02 |
| 5 | T-PROTEIN | Biuret - Colorimetric | Transasia / Erba | 820 | 5.58 | 7.50 | 0.42 | 5.36 g/dL | -0.53 | 0.03 |
| 6 | ALBUMIN | BCG - colorimetric | Transasia / Erba | 872 | 3.27 | 5.69 | 0.19 | 3.36 g/dL | 0.48 | 0.01 |
| 7 | CALCIUM | Arsenazo III | Transasia / Erba | 603 | 9.60 | 7.91 | 0.76 | 9 mg/dL | -0.79 | 0.06 |
| 8 | PHOSPHORUS | Molybdate UV / Phosphomolybdate complex | Transasia / Erba | 414 | 6.21 | 8.97 | 0.56 | 6.01 mg/dL | -0.36 | 0.05 |
| 9 | URIC ACID | Enzymatic / Uricase Colorimetric | Transasia / Erba | 823 | 4.88 | 9.34 | 0.46 | 5.3 mg/dL | 0.92 | 0.03 |
| 10 | CHOLESTEROL | CHOD-PAP | Transasia / Erba | 847 | 106.43 | 8.10 | 8.62 | 94 mg/dL | -1.44 | 0.59 |
| 11 | TRIGLYCERIDE | GPO-PAP / Enzymatic Colorimetric / End Point | Transasia / Erba | 818 | 90.47 | 9.90 | 8.95 | 84.7 mg/dL | -0.64 | 0.63 |
| 12 | HDL | Direct method / Enzymatic colorimetric | Transasia / Erba | 652 | 26.78 | 9.81 | 2.63 | 25 mg/dL | -0.68 | 0.21 |
| 13 | SODIUM | ISE - Direct | Transasia / Erba | 214 | 132.18 | 3.20 | 4.22 | 133.3 mmol/L | 0.27 | 0.58 |
| 14 | POTASSIUM | ISE - Direct | Transasia / Erba | 206 | 3.41 | 5.10 | 0.17 | 3.49 mmol/L | 0.46 | 0.02 |
| 15 | CHLORIDE | ISE - Direct | Transasia / Erba | 155 | 97.53 | 3.74 | 3.65 | 97.2 mmol/L | -0.09 | 0.59 |
| 16 | AST | UV kinetic(with & without PLP (P-5-P)) | Transasia / Erba | 827 | 51.39 | 10.89 | 5.60 | 62.9 U/L | 2.06 | 0.39 |
| 17 | ALT | UV kinetic(with & without PLP (P-5-P)) | Transasia / Erba | 817 | 61.18 | 12.22 | 7.48 | 66.6 U/L | 0.72 | 0.52 |
| 18 | ALP | PNP AMP kinetic | Transasia / Erba | 785 | 105.43 | 15.29 | 16.12 | 103 U/L | -0.15 | 1.15 |

| | | | | | | | | | | |
|----|---------|-----------------------------------|------------------|-----|--------|-------|-------|-------------|-------|------|
| 19 | AMYLASE | CNPG3 | Transasia / Erba | 407 | 33.02 | 16.95 | 5.60 | 26 U/L | -1.25 | 0.55 |
| 20 | IRON | Ferro Zine (No Protein Removal) | Transasia / Erba | 68 | 159.49 | 13.53 | 21.59 | 183.4 ug/dL | 1.11 | 5.24 |

| 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 :

OMEGA PATH LAB

10B-2 FRUIT GARDEN N17-5

FARIDABAD

HARYANA121001

Coordinator Contact Details:

Email: 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 *****