



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - NOVEMBER 2022



PC-1024

Lab Name **NAVANI DIAGNOSTIC CENTRE**

Lab No **1298**

Constituent Group **Chemistry I**

Date of Result Entered : **20/11/2022**

PT item **Lyophilized Serum**

Date of Report Published : **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 | Biosystems | 330 | 318.11 | 5.49 | 17.46 | 301 mg/dL | -0.98 | 1.92 |
| 2 | UREA | Urease UV / GLDH | Biosystems | 286 | 53.21 | 8.30 | 4.41 | 52 mg/dL | -0.27 | 0.52 |
| 3 | CREATININE | Jaffes Kinetic - Alkaline picrate | Biosystems | 244 | 3.86 | 9.51 | 0.37 | 3.6 mg/dL | -0.71 | 0.05 |
| 4 | T.BILIRUBIN | Diazonium salt (Colorimetric) / Jendrassik | Biosystems | 235 | 1.68 | 18.25 | 0.31 | 1.7 mg/dL | 0.07 | 0.04 |
| 5 | T-PROTEIN | Biuret - Colorimetric | Biosystems | 297 | 5.63 | 6.24 | 0.35 | 5 g/dL | -1.79 | 0.04 |
| 6 | ALBUMIN | BCG - colorimetric | Biosystems | 299 | 3.44 | 7.77 | 0.27 | 3.1 g/dL | -1.27 | 0.03 |
| 7 | CALCIUM | OCPC (O - Cresolphalein Compleazone) | Any Analyser (Automation / Semi Automation) | 220 | 10.25 | 7.85 | 0.80 | 12 mg/dL | 2.18 | 0.11 |
| 8 | PHOSPHORUS | Molybdate UV / Phosphomolybdate complex | Biosystems | 130 | 4.29 | 13.05 | 0.56 | 4.5 mg/dL | 0.38 | 0.10 |
| 9 | URIC ACID | Enzymatic / Uricase Colorimetric | Biosystems | 307 | 9.46 | 7.79 | 0.74 | 9.5 mg/dL | 0.05 | 0.08 |
| 10 | CHOLESTEROL | CHOD-PAP | Biosystems | 327 | 118.38 | 7.42 | 8.78 | 118 mg/dL | -0.04 | 0.97 |
| 11 | TRIGLYCERIDE | GPO-PAP / Enzymatic Colorimetric / End Point | Biosystems | 271 | 215.89 | 6.24 | 13.47 | 233 mg/dL | 1.27 | 1.64 |
| 12 | HDL | Direct method / Enzymatic colorimetric | Biosystems | 214 | 28.81 | 13.65 | 3.93 | 26 mg/dL | -0.71 | 0.54 |
| 13 | SODIUM | Flame Emission | Any Analyser | 27 | 135.76 | 4.04 | 5.49 | 130 mmol/L | -1.05 | 2.11 |
| 14 | POTASSIUM | Flame Emission | Any Analyser | 29 | 5.18 | 10.07 | 0.52 | 4.7 mmol/L | -0.92 | 0.19 |
| 15 | CHLORIDE | OTHERS (Any Other Principles / Methods) | Any Analyser (Automation / Semi Automation) | 121 | 98.66 | 4.60 | 4.54 | 86 mmol/L | -2.79 | 0.83 |
| 16 | AST | UV kinetic(with & without PLP (P-5-P)) | Biosystems | 255 | 172.68 | 8.31 | 14.35 | 152 U/L | -1.44 | 1.80 |
| 17 | ALT | UV kinetic(with & without PLP (P-5-P)) | Biosystems | 280 | 54.87 | 12.77 | 7.01 | 55 U/L | 0.02 | 0.84 |
| 18 | ALP | PNP AMP kinetic | Biosystems | 284 | 151.03 | 12.24 | 18.48 | 150 U/L | -0.06 | 2.19 |
| 19 | AMYLASE | CNPG3 | Biosystems | 104 | 90.27 | 11.21 | 10.12 | 96 U/L | 0.57 | 1.99 |
| 20 | IRON | Ferrene (No Protein Removal) | Any Analyser (Automation / Semi Automation) | 91 | 108.62 | 16.27 | 17.67 | 128 ug/dL | 1.10 | 3.71 |

| 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 :

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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 *****



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MONTHLY SUMMARY REPORT - NOVEMBER 2022



PC-1024

Lab Name **NAVANI DIAGNOSTIC CENTRE** Lab No **1298**
Constituent Group **HbA1c** Date of Result Entered : **20/11/2022**
PT item **Lyophilized Whole blood** Date of Report Published : **06/12/2022**

| Sl.No | Analyte | Method / Principle Name | Analyzer Name | No of Participants | DV | Participants | | Your Value | SDI | U |
|-----------------------|---------|-------------------------|--|--------------------|------|--------------|------|------------|-------|------|
| | | | | | | CV | SD | | | |
| 1 | HbA1c | HPLC-Ion Exchange | Biorad (D10 / D100 / Variant Turbo) | 644 | 7.87 | 3.44 | 0.27 | 7.6 % | -1.00 | 0.02 |
| 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. | | | | | | | |

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