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|----|-----------|--|---|-----|--------|-------|-------|-------------|-------|------|
| 14 | POTASSIUM | ISE - Indirect | Roche c111, c311, Integra 400, c501, c502, c503, c702 | 172 | 5.00 | 4.82 | 0.24 | 5.2 mmol/L | 0.83 | 0.04 |
| 15 | CHLORIDE | ISE - Indirect | Roche c111, c311, Integra 400, c501, c502, c503, c702 | 137 | 96.98 | 4.34 | 4.21 | 96.7 mmol/L | -0.07 | 0.72 |
| 16 | AST | UV kinetic(with & without PLP (P-5-P)) | Roche c111, c311, Integra 400, c501, c502, c503, c702 | 251 | 54.17 | 7.69 | 4.16 | 46 U/L | -1.96 | 0.53 |
| 17 | ALT | UV kinetic(with & without PLP (P-5-P)) | Roche c111, c311, Integra 400, c501, c502, c503, c702 | 240 | 103.11 | 10.71 | 11.05 | 65 U/L | -3.45 | 1.43 |
| 18 | ALP | PNP AMP kinetic | Roche c111, c311, Integra 400, c501, c502, c503, c702 | 264 | 96.76 | 8.14 | 7.88 | 101 U/L | 0.54 | 0.97 |
| 19 | AMYLASE | CNPG3 | Any Analyser (Automation / Semi Automation) | 318 | 82.00 | 10.64 | 8.73 | 99 U/L | 1.95 | 0.98 |
| 20 | IRON | Ferrene (No Protein Removal) | Any Analyser (Automation / Semi Automation) | 134 | 118.48 | 9.37 | 11.10 | 125 ug/dL | 0.59 | 1.92 |
| 21 | MAGNESIUM | Xylidyl Blue | Roche c111, c311, Integra 400, c501, c502, c503, c702 | 107 | 2.01 | 5.01 | 0.10 | 1.8 mg/dL | -2.08 | 0.02 |

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 :

EMC PATH LAB

INSIDE E.M.C GROUP OF HOSPITALS, BEHIND INCOME TAX OFFICE, GREEN AV,

AMRITSAR

PUNJAB143001

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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 *****



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - MAY 2024



PC-1024

Lab Name EMC PATH LAB

Lab No 5952

Constituent Group Chemistry I

Date of Result Entered : 17/05/2024

PT item Lyophilized human serum based

Date of Report Published : 30/05/2024 ✓

| Sl.No | Analyte | Method / Principle Name | Analyzer Name | No of Participants | AV | Participants | | Your Value | Z Score | u* |
|-------|--------------|--|---|--------------------|--------|--------------|------|------------|---------|------|
| | | | | | | CV | SDPA | | | |
| 1 | GLUCOSE | GOD-POD | Randox rX Series | 44 | 176.06 | 4.64 | 8.17 | 180 mg/dL | 0.48 | 2.46 |
| 2 | UREA | Urease UV / GLDH | Randox rX Series | 45 | 94.34 | 6.74 | 6.36 | 98.4 mg/dL | 0.64 | 1.89 |
| 3 | CREATININE | Jaffes End point | Any Analyser (Automation / Semi Automation) | 257 | 3.88 | 9.95 | 0.39 | 4.3 mg/dL | 1.09 | 0.05 |
| 4 | T.BILIRUBIN | Diazonium salt (Colorimetric) / Jendrassik | Roche c111, c311, Integra 400, c501, c502, c503, c702 | 271 | 3.73 | 4.96 | 0.18 | 4 mg/dL | 1.46 | 0.02 |
| 5 | T-PROTEIN | Biuret - Colorimetric | Roche c111, c311, Integra 400, c501, c502, c503, c702 | 279 | 4.71 | 3.38 | 0.16 | 4.9 g/dL | 1.20 | 0.02 |
| 6 | ALBUMIN | BCG - colorimetric | Roche c111, c311, Integra 400, c501, c502, c503, c702 | 267 | 3.18 | 4.15 | 0.13 | 3.3 g/dL | 0.91 | 0.02 |
| 7 | CALCIUM | Arsenazo III | Randox rX Series | 40 | 9.18 | 4.87 | 0.45 | 9.2 mg/dL | 0.04 | 0.14 |
| 8 | PHOSPHORUS | Molybdate UV / Phosphomolybdate complex | Roche c111, c311, Integra 400, c501, c502, c503, c702 | 219 | 4.32 | 3.31 | 0.14 | 4.4 mg/dL | 0.56 | 0.02 |
| 9 | URIC ACID | Enzymatic / Uricase Colorimetric | Roche c111, c311, Integra 400, c501, c502, c503, c702 | 269 | 5.47 | 3.29 | 0.18 | 5.6 mg/dL | 0.72 | 0.02 |
| 10 | CHOLESTEROL | CHOD-PAP | Roche c111, c311, Integra 400, c501, c502, c503, c702 | 280 | 100.00 | 4.20 | 4.20 | 102 mg/dL | 0.48 | 0.50 |
| 11 | TRIGLYCERIDE | GPO-PAP / Enzymatic Colorimetric / End Point | Roche c111, c311, Integra 400, c501, c502, c503, c702 | 263 | 180.41 | 3.72 | 6.72 | 184 mg/dL | 0.53 | 0.83 |
| 12 | HDL | Direct method / Enzymatic colorimetric | Roche c111, c311, Integra 400, c501, c502, c503, c702 | 268 | 21.72 | 5.21 | 1.13 | 22 mg/dL | 0.25 | 0.14 |
| 13 | SODIUM | ISE - Indirect | Roche c111, c311, Integra 400, c501, c502, c503, c702 | 170 | 136.73 | 3.45 | 4.72 | 143 mmol/L | 1.33 | 0.72 |