



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - AUGUST 2023



PC-1024

Lab Name SHIV DIAGNOSTICS Lab No 13556
 Constituent Group Chemistry I Date of Result Entered : 04/08/2023
 PT item Lyophilized human serum based Date of Report Published : 01/09/2023

| Sl.No | Analyte | Method / Principle Name | Analyzer Name | No of Participants | DV | Participants | | Your Value | SDI | U |
|-------|--------------|--|---|--------------------|--------|--------------|-------|--------------|-------|------|
| | | | | | | CV | SD | | | |
| 1 | GLUCOSE | GOD-POD | Mindray | 214 | 63.11 | 6.92 | 4.37 | 58.9 mg/dL | -0.96 | 0.60 |
| 2 | UREA | Urease UV / GLDH | Mindray | 264 | 18.69 | 9.40 | 1.76 | 21.42 mg/dL | 1.55 | 0.22 |
| 3 | CREATININE | Enzymatic Colorimetric | Mindray | 102 | 0.80 | 10.36 | 0.08 | 0.84 mg/dL | 0.48 | 0.02 |
| 4 | T.BILIRUBIN | Diazonium salt (Colorimetric) / Jendrassik | Mindray | 213 | 0.77 | 15.19 | 0.12 | 0.73 mg/dL | -0.34 | 0.02 |
| 5 | T-PROTEIN | Biuret - Colorimetric | Mindray | 284 | 5.69 | 7.21 | 0.41 | 5.9 g/dL | 0.51 | 0.05 |
| 6 | CALCIUM | Arsenazo III | Mindray | 233 | 9.65 | 7.17 | 0.69 | 8.34 mg/dL | -1.89 | 0.09 |
| 7 | PHOSPHORUS | Molybdate UV / Phosphomolybdate complex | Transasia / Erba | 445 | 3.68 | 10.77 | 0.40 | 3.78 mg/dL | 0.25 | 0.04 |
| 8 | URIC ACID | Enzymatic / Uricase Colorimetric | Mindray | 264 | 3.64 | 8.68 | 0.32 | 3.58 mg/dL | -0.19 | 0.04 |
| 9 | CHOLESTEROL | CHOD-PAP | Mindray | 290 | 124.27 | 6.18 | 7.68 | 126.8 mg/dL | 0.33 | 0.90 |
| 10 | TRIGLYCERIDE | GPO-PAP / Enzymatic Colorimetric / End Point | Mindray | 287 | 128.82 | 8.14 | 10.48 | 137.2 mg/dL | 0.80 | 1.24 |
| 11 | HDL | Direct method / Enzymatic colorimetric | Mindray | 227 | 27.88 | 9.37 | 2.61 | 27.7 mg/dL | -0.07 | 0.35 |
| 12 | SODIUM | ISE - Direct | Any Analyser (Automation / Semi Automation) | 1322 | 128.60 | 3.32 | 4.28 | 129.4 mmol/L | 0.19 | 0.24 |
| 13 | POTASSIUM | ISE - Direct | Any Analyser (Automation / Semi Automation) | 1231 | 2.57 | 8.26 | 0.21 | 2.79 mmol/L | 1.04 | 0.01 |
| 14 | CHLORIDE | ISE - Direct | Any Analyser (Automation / Semi Automation) | 1053 | 97.12 | 4.32 | 4.20 | 92 mmol/L | -1.22 | 0.26 |
| 15 | ALP | PNP AMP kinetic | Mindray | 200 | 114.91 | 16.29 | 18.72 | 155.6 U/L | 2.17 | 2.65 |
| 16 | AMYLASE | CNPG3 | Any Analyser (Automation / Semi Automation) | 533 | 50.16 | 18.71 | 9.39 | 48.6 U/L | -0.17 | 0.81 |
| 17 | IRON | Ferrene (No Protein Removal) | Any Analyser (Automation / Semi Automation) | 142 | 103.39 | 13.11 | 13.56 | 103.9 ug/dL | 0.04 | 2.28 |
| 18 | MAGNESIUM | Others (Any other principles / Methods) | Any Analyser (Automation / Semi Automation) | 152 | 1.87 | 16.49 | 0.31 | 2 mg/dL | 0.42 | 0.05 |

| 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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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 *******