



CHRISTIAN MEDICAL COLLEGE

VELLORE, TAMIL NADU - 632004. INDIA

DEPARTMENT OF CLINICAL BIOCHEMISTRY CMC EXTERNAL QUALITY ASSURANCE SCHEME



PC-1024

MONTHLY SUMMARY REPORT - OCTOBER 2024

LAB NO: 19716
LAB NAME: **LUPIN DIAGNOSTICS LTD**

CONSTITUENT GROUP

Chemistry I

Date of Result Entered: 16/10/2024

Date of Result Published: 07/11/2024

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 | Dry Chemistry | Ortho Clinical Diagnostics Dry Chemistry Series | 290 | 182.85 | 3.17 | 5.8 | 187 mg/dL | 0.72 | 0.68 |
| 2 | UREA | Dry Chemistry | Ortho Clinical Diagnostics Dry Chemistry Series | 296 | 116 | 3.51 | 4.07 | 115.56 mg/dL | -0.11 | 0.47 |
| 3 | CREATININE | Dry Chemistry | Ortho Clinical Diagnostics Dry Chemistry Series | 295 | 3.08 | 3.53 | 0.11 | 3.1 mg/dL | 0.18 | 0.01 |
| 4 | T.BILIRUBIN | Dry Chemistry | Ortho Clinical Diagnostics Dry Chemistry Series | 296 | 4.45 | 7.42 | 0.33 | 4.1 mg/dL | -1.06 | 0.04 |
| 5 | T-PROTEIN | Dry Chemistry | Ortho Clinical Diagnostics Dry Chemistry Series | 301 | 4.9 | 3.43 | 0.17 | 5 g/dL | 0.59 | 0.02 |
| 6 | ALBUMIN | Dry Chemistry | Ortho Clinical Diagnostics Dry Chemistry Series | 299 | 2.91 | 4.75 | 0.14 | 3 g/dL | 0.64 | 0.02 |
| 7 | CALCIUM | Dry Chemistry | Ortho Clinical Diagnostics Dry Chemistry Series | 283 | 9.64 | 4.44 | 0.43 | 9.7 mg/dL | 0.14 | 0.05 |
| 8 | URIC ACID | Dry Chemistry | Ortho Clinical Diagnostics Dry Chemistry Series | 291 | 5.68 | 3.66 | 0.21 | 5.6 mg/dL | -0.38 | 0.02 |
| 9 | CHOLESTEROL | Dry Chemistry | Ortho Clinical Diagnostics Dry Chemistry Series | 272 | 88.37 | 5.17 | 4.57 | 85 mg/dL | -0.74 | 0.55 |
| 10 | TRIGLYCERIDE | Dry Chemistry | Ortho Clinical Diagnostics Dry Chemistry Series | 275 | 171.75 | 4.28 | 7.35 | 165 mg/dL | -0.92 | 0.89 |
| 11 | HDL | Dry Chemistry | Ortho Clinical Diagnostics Dry Chemistry Series | 268 | 21.75 | 7.2 | 1.57 | 19 mg/dL | -1.75 | 0.19 |
| 12 | SODIUM | Dry Chemistry | Ortho Clinical Diagnostics Dry Chemistry Series | 249 | 135.16 | 1.96 | 2.65 | 133 mmol/L | -0.82 | 0.34 |
| 13 | POTASSIUM | Dry Chemistry | Ortho Clinical Diagnostics Dry Chemistry Series | 251 | 4.56 | 2.66 | 0.12 | 4.5 mmol/L | -0.5 | 0.02 |
| 14 | CHLORIDE | Dry Chemistry | Ortho Clinical Diagnostics Dry Chemistry Series | 209 | 99.54 | 2.78 | 2.76 | 100 mmol/L | 0.17 | 0.38 |



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|--------|-------------|--------------------|---|---------------------|------|--------------|------|------------|---------|------|
| | | | | | | CV | SDPA | | | |
| 1 | D.BILIRUBIN | Dry Chemistry | Ortho Clinical Diagnostics Dry Chemistry Series | 70 | 0.58 | 27.74 | 0.16 | 0.7 mg/dL | 0.75 | 0.04 |

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

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HLM J.P MEMORIAL HOSPITAL, 58, MG MARG
GEORGE TOWN,
Uttar Pradesh

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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,
CMC EQAS Coordinator,
Christian Medical College, Vellore.