



CHRISTIAN MEDICAL COLLEGE

VELLORE, TAMIL NADU - 632004. INDIA

DEPARTMENT OF CLINICAL BIOCHEMISTRY CMC EXTERNAL QUALITY ASSURANCE SCHEME



PC-1024

MONTHLY SUMMARY REPORT - JULY 2024

LAB NO: 14049

LAB NAME: **PUBLIC CARE DIAGNOSTICS & RESEARCH CENTRE**

CONSTITUENT GROUP

Chemistry I

Date of Result Entered: 19/07/2024

Date of Result Published: 08/08/2024

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	GOD-POD	Mindray	285	130.22	5.14	6.69	126.4 mg/dL	-0.57	0.79
2	UREA	Urease UV / GLDH	Mindray	354	48.91	6.06	2.96	49.8 mg/dL	0.3	0.32
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Mindray	189	2.45	10.4	0.25	2.79 mg/dL	1.36	0.04
4	T.BILIRUBIN	Others (DPD, Vanadate Oxidation)	Any Analyser (Automation / Semi Automation)	313	7.33	11.02	0.81	7.4 mg/dL	0.09	0.09
5	T-PROTEIN	Biuret - Colorimetric	Mindray	355	5.24	6.04	0.32	5.2 g/dL	-0.13	0.03
6	ALBUMIN	BCG - colorimetric	Mindray	347	3.29	6.24	0.21	3.3 g/dL	0.05	0.02
7	CALCIUM	Arsenazo III	Mindray	285	9.84	5.8	0.57	8.3 mg/dL	-2.7	0.07
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Mindray	212	7.59	8.09	0.61	6.2 mg/dL	-2.28	0.08
9	URIC ACID	Enzymatic / Uricase Colorimetric	Mindray	346	8.7	5.57	0.48	8.9 mg/dL	0.42	0.05
10	CHOLESTEROL	CHOD-PAP	Mindray	354	107.37	6.28	6.74	105.5 mg/dL	-0.28	0.72
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Mindray	351	126.05	9	11.34	124.7 mg/dL	-0.12	1.21
12	HDL	Direct method / Enzymatic colorimetric	Mindray	297	24.47	7.6	1.86	24.5 mg/dL	0.02	0.22
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1469	133.18	3.17	4.23	128 mmol/L	-1.22	0.22
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1472	3.82	4.9	0.19	3.8 mmol/L	-0.11	0.01
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	1198	97.9	4.58	4.48	104 mmol/L	1.36	0.26
16	AST	UV kinetic(with & without PLP (P-5-P))	Mindray	340	111.23	9.63	10.72	111.8 U/L	0.05	1.16
17	ALT	UV kinetic(with & without PLP (P-5-P))	Mindray	339	52.57	18.43	9.69	56.3 U/L	0.38	1.05



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18	ALP	PNP DEA kinetic	Any Analyser (Automation / Semi Automation)	467	204.62	21.42	43.84	149.6 U/L	-1.26	4.06

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

**PUBLIC CARE DIAGNOSTICS & RESEARCH
CENTRE,
HAZRAT GUNJ, LINE BAZAR,
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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,
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Christian Medical College, Vellore.