



# CHRISTIAN MEDICAL COLLEGE

VELLORE, TAMIL NADU - 632004. INDIA

## DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME



PC-1024

### MONTHLY SUMMARY REPORT - AUGUST 2024

LAB NO: 14049

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

CONSTITUENT GROUP

**Chemistry I**

Date of Result Entered: 15/08/2024

Date of Result Published: 02/09/2024

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	297	174.65	4.79	8.36	171.9 mg/dL	-0.33	0.97
2	UREA	Urease UV / GLDH	Mindray	365	97.42	4.97	4.85	95.42 mg/dL	-0.41	0.51
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Mindray	192	3.96	10.57	0.42	4.2 mg/dL	0.57	0.06
4	T.BILIRUBIN	Others ( DPD, Vanadate Oxidation )	Any Analyser (Automation / Semi Automation )	320	4.08	12.82	0.52	4.09 mg/dL	0.02	0.06
5	T-PROTEIN	Biuret - Colorimetric	Mindray	367	5.03	6.02	0.3	4.7 g/dL	-1.1	0.03
6	ALBUMIN	BCG - colorimetric	Mindray	359	3.2	6.59	0.21	3.15 g/dL	-0.24	0.02
7	CALCIUM	Arsenazo III	Mindray	287	9.35	5.93	0.55	8.8 mg/dL	-1	0.07
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Mindray	215	4.29	15.51	0.67	4.12 mg/dL	-0.25	0.09
9	URIC ACID	Enzymatic / Uricase Colorimetric	Mindray	359	5.63	5.5	0.31	6.38 mg/dL	2.42	0.03
10	CHOLESTEROL	CHOD-PAP	Mindray	363	100.59	6.73	6.77	101.4 mg/dL	0.12	0.71
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Mindray	361	171.72	6.03	10.35	183.6 mg/dL	1.15	1.09
12	HDL	Direct method / Enzymatic colorimetric	Mindray	311	23.4	8.39	1.96	20 mg/dL	-1.73	0.22
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation )	1499	134.52	3.11	4.18	133.5 mmol/L	-0.24	0.22
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation )	1499	4.73	5.63	0.27	4.9 mmol/L	0.63	0.01
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation )	1210	100.09	4.17	4.17	98 mmol/L	-0.5	0.24
16	AST	UV kinetic(with & without PLP (P-5-P))	Mindray	352	54.9	9.72	5.34	44.4 U/L	-1.97	0.57
17	ALT	UV kinetic(with & without PLP (P-5-P))	Mindray	349	106.78	14.65	15.65	58.5 U/L	-3.08	1.67



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						CV	SDPA			
18	ALP	PNP DEA kinetic	Any Analyser (Automation / Semi Automation )	474	136.23	24.56	33.46	177.1 U/L	1.22	3.07

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,  
CMC EQAS Coordinator,  
Christian Medical College, Vellore.