



# 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: 18963

LAB NAME: **SOOD DIAGNOSTICS**

CONSTITUENT GROUP

**Chemistry I**

Date of Result Entered: 19/08/2024

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	173.6 mg/dL	-0.13	0.97
2	UREA	Urease UV / GLDH	Mindray	365	97.42	4.97	4.85	102.6 mg/dL	1.07	0.51
3	CREATININE	Enzymatic Colorimetric	Mindray	132	4.3	4.53	0.19	4.48 mg/dL	0.95	0.03
4	T.BILIRUBIN	Others ( DPD, Vanadate Oxidation )	Any Analyser (Automation / Semi Automation )	320	4.08	12.82	0.52	3.95 mg/dL	-0.25	0.06
5	T-PROTEIN	Biuret - Colorimetric	Mindray	367	5.03	6.02	0.3	5.09 g/dL	0.2	0.03
6	ALBUMIN	BCG - colorimetric	Mindray	359	3.2	6.59	0.21	3.09 g/dL	-0.52	0.02
7	CALCIUM	Arsenazo III	Mindray	287	9.35	5.93	0.55	9.33 mg/dL	-0.04	0.07
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Mindray	215	4.29	15.51	0.67	3.68 mg/dL	-0.91	0.09
9	URIC ACID	Enzymatic / Uricase Colorimetric	Mindray	359	5.63	5.5	0.31	5.55 mg/dL	-0.26	0.03
10	CHOLESTEROL	CHOD-PAP	Mindray	363	100.59	6.73	6.77	99.3 mg/dL	-0.19	0.71
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Mindray	361	171.72	6.03	10.35	173.3 mg/dL	0.15	1.09
12	HDL	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation )	1021	25.02	12.74	3.19	27.4 mg/dL	0.75	0.2
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation )	1499	134.52	3.11	4.18	132.1 mmol/L	-0.58	0.22
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation )	1499	4.73	5.63	0.27	4.62 mmol/L	-0.41	0.01
15	AST	UV kinetic(with & without PLP (P-5-P))	Mindray	352	54.9	9.72	5.34	50.2 U/L	-0.88	0.57
16	ALT	UV kinetic(with & without PLP (P-5-P))	Mindray	349	106.78	14.65	15.65	90.2 U/L	-1.06	1.67
17	ALP	PNP AMP kinetic	Mindray	275	111.81	12.74	14.24	124.7 U/L	0.91	1.72
18	AMYLASE	CNPG3	Any Analyser (Automation / Semi Automation )	600	77.82	20.91	16.27	102.3 U/L	1.5	1.33



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						CV	SDPA			

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

SOOD DIAGNOSTICS,  
1/16S SADAR BAZAR DELHI CANTT,  
Delhi

#### Coordinator Contact Details:

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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.