



# CHRISTIAN MEDICAL COLLEGE

VELLORE, TAMIL NADU - 632004. INDIA

## DEPARTMENT OF CLINICAL BIOCHEMISTRY

### CMC EXTERNAL QUALITY ASSURANCE SCHEME



PC-1024

### MONTHLY SUMMARY REPORT - MARCH 2025

LAB NO: 14855

CONSTITUENT GROUP

Chemistry I

Date of Result Entered: 19/03/2025

Date of Result Published: 07/04/2025

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	Hexokinase	Beckman AU480/680/5800/DXC70 0AU	169	131	4.53	5.93	135 mg/dL	0.67	0.91
2	UREA	Urease UV / GLDH	Beckman AU480/680/5800/DXC70 0AU	202	37	5.21	1.93	35.5 mg/dL	-0.78	0.27
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Beckman AU480/680/5800/DXC70 0AU	131	1.66	7.16	0.12	1.47 mg/dL	-1.58	0.02
4	T.BILIRUBIN	Diazonium salt ( Colorimetric ) / Jendrassik	Beckman AU480/680/5800/DXC70 0AU	147	2.9	5	0.15	2.8 mg/dL	1.33	0.02
5	T-PROTEIN	Biuret - Colorimetric	Beckman AU480/680/5800/DXC70 0AU	197	5.18	3.89	0.2	5.6 g/dL	2.1	0.03
6	ALBUMIN	BCG - colorimetric	Beckman AU480/680/5800/DXC70 0AU	198	3.27	4.39	0.14	3 g/dL	-1.93	0.02
7	CALCIUM	Arsenazo III	Beckman AU480/680/5800/DXC70 0AU	194	9.42	3.66	0.34	9.7 mg/dL	0.82	0.05
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Beckman AU480/680/5800/DXC70 0AU	153	3.97	4.95	0.2	3.9 mg/dL	-0.35	0.03
9	URIC ACID	Enzymatic / Uricase Colorimetric	Beckman AU480/680/5800/DXC70 0AU	189	3.9	4.19	0.16	4 mg/dL	0.63	0.02
10	CHOLESTEROL	CHOD-PAP	Beckman AU480/680/5800/DXC70 0AU	194	116	5.11	5.93	112 mg/dL	-0.67	0.85
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Beckman AU480/680/5800/DXC70 0AU	190	108	6.87	7.41	105.39 mg/dL	-0.35	1.08
12	HDL	Direct method / Enzymatic colorimetric	Beckman AU480/680/5800/DXC70 0AU	178	24.6	8.2	2.02	25 mg/dL	0.2	0.3
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation )	1596	132	3.26	4.3	135 mmol/L	0.7	0.22
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation )	1597	4.07	5.09	0.21	4.19 mmol/L	0.57	0.01



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15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation )	1261	98.17	4.49	4.4	99.3 mmol/L	0.26	0.25
16	AST	UV kinetic(with & without PLP (P-5-P))	Beckman AU480/680/5800/DXC70 0AU	187	104	5.7	5.93	97 U/L	-1.18	0.87
17	ALT	UV kinetic(with & without PLP (P-5-P))	Beckman AU480/680/5800/DXC70 0AU	189	101.04	7.87	7.95	99 U/L	-0.26	1.16
18	ALP	PNP AMP kinetic	Beckman AU480/680/5800/DXC70 0AU	189	68.75	9.97	6.85	64 U/L	-0.69	1
19	AMYLASE	Enzymatic Colorimetric / G7PNP Blocked	Beckman AU480/680/5800/DXC70 0AU	45	74	14.03	10.38	61.9 U/L	-1.17	3.1
20	IRON	TPTZ (Tripyridyl-S-triazine)	Beckman AU480/680/5800/DXC70 0AU	94	103.45	6.68	6.92	99 ug/dL	-0.64	1.43
21	UIBC	Nitroso-PSAP	Beckman AU480/680/5800/DXC70 0AU	64	158.7	6.82	10.83	162 ug/dL	0.3	2.71

U\* - measurement of uncertainty

Z-Score	Interpretation
z  ≤ 2.0	Acceptable
2.0 <  z  < 3.0	Warning Signal
z  ≥ 3.0	Unacceptable (Action Signal)

**Kindly note:** for appeals regarding result analysis and evaluation process, please contact via phone/email as given below within one week of receiving the report.

**Enquiries:** for all communications, please use CMC-EQAS user ID.

#### Coordinator Contact Details:

E-Mail: clinqc@cmcvellore.ac.in  
Contact No.: 0416-2283102

#### LAB ADDRESS

TRUSTLAB DIAGNOSTICS PVT LTD,  
STREET NO.5, PRAKASH NAGAR, BEGUMPET,  
TELANGANA

Homogeneity and Stability of the sample is passed.  
Data in CMC EQAS report is confidential.

CMC EQAS does not sub contract any components.  
\*\*\*\* End of Report \*\*\*\*

Dr. Pamela Christudoss,  
CMC EQAS Coordinator,  
Christian Medical College, Vellore.



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1	D.BILIRUBIN	Diazonium salt ( Colorimetric ) / Jendrassik	Beckman AU480/680/5800/DXC70 0AU	105	1.23	5.91	0.07	1.19 mg/dL	-0.57	0.01
2	LDL	Direct method / Enzymatic colorimetric	Beckman AU480/680/5800/DXC70 0AU	64	73	6.09	4.45	73 mg/dL	0	1.11

u\* - measurement of uncertainty

Z-Score	Interpretation
$ z  \leq 2.0$	Acceptable
$2.0 <  z  < 3.0$	Warning Signal
$ z  \geq 3.0$	Unacceptable (Action Signal)

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*Pamela Christudoss*  
Dr. Pamela Christudoss,  
CMC EQAS Coordinator,  
Christian Medical College, Vellore.