



CHRISTIAN MEDICAL COLLEGE

VELLORE, TAMIL NADU - 632004. INDIA

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME



PC-1024

MONTHLY SUMMARY REPORT - FEBRUARY 2025

LAB NO: 14855

CONSTITUENT GROUP

Chemistry I

Date of Result Entered: 20/02/2025

PT Item: Lyophilized human serum based

Date of Result Published: 07/03/2025

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/DXC700AU	164	201.67	4.26	8.58	196 mg/dL	-0.66	1.34
2	UREA	Urease UV / GLDH	Beckman AU480/680/5800/DXC700AU	196	114.5	4.66	5.34	114.2 mg/dL	-0.06	0.76
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Beckman AU480/680/5800/DXC700AU	127	2.85	6.51	0.19	2.75 mg/dL	-0.53	0.03
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Beckman AU480/680/5800/DXC700AU	141	6.37	4.53	0.29	6.19 mg/dL	1.52	0.05
5	T-PROTEIN	Biuret - Colorimetric	Beckman AU480/680/5800/DXC700AU	191	5.25	4.24	0.22	5.4 g/dL	0.68	0.03
6	ALBUMIN	BCG - colorimetric	Beckman AU480/680/5800/DXC700AU	191	3.37	4.1	0.14	3 g/dL	-2.64	0.02
7	CALCIUM	Arsenazo III	Beckman AU480/680/5800/DXC700AU	187	10.5	3.53	0.37	10.9 mg/dL	1.08	0.05
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Beckman AU480/680/5800/DXC700AU	146	6.25	4.93	0.31	6.1 mg/dL	-0.48	0.05
9	URIC ACID	Enzymatic / Uricase Colorimetric	Beckman AU480/680/5800/DXC700AU	186	6.4	3.98	0.25	6.5 mg/dL	0.4	0.04
10	CHOLESTEROL	CHOD-PAP	Beckman AU480/680/5800/DXC700AU	188	114	5.2	5.93	113 mg/dL	-0.17	0.87
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Beckman AU480/680/5800/DXC700AU	187	205	6.11	12.53	206 mg/dL	0.08	1.83
12	HDL	Direct method / Enzymatic colorimetric	Beckman AU480/680/5800/DXC700AU	175	25.59	9.48	2.42	22 mg/dL	-1.48	0.37
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1546	138	3.22	4.45	141.6 mmol/L	0.81	0.23
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1547	5	5.93	0.3	4.94 mmol/L	-0.2	0.02



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15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	1226	102	4.36	4.45	102.5 mmol/L	0.11	0.25
16	AST	UV kinetic(with & without PLP (P-5-P))	Beckman AU480/680/5800/DXC70 0AU	181	257	4.62	11.86	249 U/L	1.18	1.76
17	ALT	UV kinetic(with & without PLP (P-5-P))	Beckman AU480/680/5800/DXC70 0AU	181	101	7.34	7.41	99 U/L	1.0	1.1
18	ALP	PNP AMP kinetic	Beckman AU480/680/5800/DXC70 0AU	182	253	8.21	20.76	259 U/L	1.46	3.08
19	AMYLASE	Enzymatic Colorimetric / G7PNP Blocked	Beckman AU480/680/5800/DXC70 0AU	44	93.42	20.67	19.31	64.4 U/L	-1.5	5.82
20	IRON	TPTZ (Tripyridyl-S-triazine)	Beckman AU480/680/5800/DXC70 0AU	87	158.08	6.89	10.89	163 ug/dL	0.45	2.34
21	UIBC	Nitroso-PSAP	Beckman AU480/680/5800/DXC70 0AU	59	108.44	9.47	10.27	107 ug/dL	-0.14	2.67

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)

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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						CV	SDPA			
1	D.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Beckman AU480/680/5800/DXC700AU	100	1.58	7.56	0.12	1.46 mg/dL	-1	0.02
2	LDL	Direct method / Enzymatic colorimetric	Beckman AU480/680/5800/DXC700AU	59	77	8.67	6.67	79 mg/dL	0.3	1.74

u* - measurement of uncertainty

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z ≤ 2.0	Acceptable
2.0 < z < 3.0	Warning Signal
z ≥ 3.0	Unacceptable (Action Signal)

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***** End of Report *****

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



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MONTHLY SUMMARY REPORT - FEBRUARY 2025

LAB NO: 14855

CONSTITUENT GROUP

Tumor Markers

Date of Result Entered: 20/02/2025

Date of Result Published: 07/03/2025

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	PSA (TOTAL)	CLIA-Chemiluminescence immunoassay / CMIA	Beckman Acces2, Acces2i, DXI600, DXI800	42	34.04	7.72	2.63	36.04 ng/mL	0.76	0.81
2	TOTAL BETA-HCG	CLIA-Chemiluminescence immunoassay / CMIA	Beckman Acces2, Acces2i, DXI600, DXI800	28	109.13	8.08	8.81	115.06 mIU/mL	0.67	3.33
3	ALPHA FETOPROTEIN I	CLIA-Chemiluminescence immunoassay / CMIA	Beckman Acces2, Acces2i, DXI600, DXI800	34	83	16.36	13.58	88.38 IU/mL	0.4	4.66

u* - measurement of uncertainty

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

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STREET NO.5, PRAKASH NAGAR, BEGUMPET,
TELANGANA

Homogeneity and Stability of the sample is passed.

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***** End of Report *****

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LAB NO: 14855

CONSTITUENT GROUP

HbA1c

Date of Result Entered: 20/02/2025

PT Item: Lyophilized human whole blood based

Date of Result Published: 07/03/2025

S. No.	Analyte	Method / Principle	Analyser	No. of Participants	AV	Participants		Your Value	Z Score	u*
						CV	SDPA			
1	HbA1c	HPLC-Ion Exchange	Tosoh (G8, G11 - HPLC / HPLC-723G8)	352	6.58	4.64	0.31	6.7 %	0.39	0.03

u* - measurement of uncertainty

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$2.0 < z < 3.0$	Warning Signal
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***** End of Report *****

* Reviewed.

→ Albumin : Warning Signal

→ IAC , calibration satisfactory .

* To observe next cycle.

K. Anusha
7/3/25