



# 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: 8653

LAB NAME: **CLINICAL BIOCHEMISTRY, NATIONAL INSTITUTE OF**

CONSTITUENT GROUP

**Chemistry I**

Date of Result Entered: 12/07/2024

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	Transasia / Erba	1145	130.73	5.95	7.78	133.9 mg/dL	0.41	0.46
2	UREA	Urease UV / GLDH	Transasia / Erba	1105	48.2	8.15	3.93	47.1 mg/dL	-0.28	0.24
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Transasia / Erba	529	2.36	12.23	0.29	2.12 mg/dL	-0.83	0.03
4	T.BILIRUBIN	Diazonium salt ( Colorimetric ) / Jendrassik	Transasia / Erba	1124	7.44	9.49	0.71	8.4 mg/dL	1.35	0.04
5	T-PROTEIN	Biuret - Colorimetric	Transasia / Erba	1139	5.48	6.96	0.38	5.67 g/dL	0.5	0.02
6	ALBUMIN	BCG - colorimetric	Transasia / Erba	1113	3.3	5.34	0.18	3.33 g/dL	0.17	0.01
7	CALCIUM	Arsenazo III	Transasia / Erba	805	9.69	6.91	0.67	10.1 mg/dL	0.61	0.05
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Transasia / Erba	580	8.11	9.36	0.76	8.14 mg/dL	0.04	0.06
9	URIC ACID	Enzymatic / Uricase Colorimetric	Transasia / Erba	1113	8.89	8.15	0.72	9.2 mg/dL	0.43	0.04
10	CHOLESTEROL	CHOD-PAP	Transasia / Erba	1142	101.05	8.95	9.05	94 mg/dL	-0.78	0.54
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Transasia / Erba	1111	104.6	9.84	10.29	113.2 mg/dL	0.84	0.62
12	HDL	Direct method / Enzymatic colorimetric	Transasia / Erba	902	25.22	10.97	2.77	25.8 mg/dL	0.21	0.18
13	AST	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	1078	108.43	10.53	11.41	119.9 U/L	1.01	0.7
14	ALT	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	1086	49.65	20.83	10.34	58.2 U/L	0.83	0.63
15	ALP	PNP AMP kinetic	Transasia / Erba	1045	160.62	17.84	28.65	166 U/L	0.19	1.77
16	AMYLASE	CNPG3	Transasia / Erba	544	34.21	17.59	6.02	29 U/L	-0.87	0.52



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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

CLINICAL BIOCHEMISTRY, NATIONAL INSTITUTE  
OF SIDDHA,  
TAMBARAM SANATORIUM,  
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#### Coordinator Contact Details:

E-Mail: [clinqc@cmcvellore.ac.in](mailto:clinqc@cmcvellore.ac.in)  
Contact No.: 0416-2283102

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.



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						CV	SDPA			
1	D.BILIRUBIN	Diazonium salt ( Colorimetric ) / Jendrassik	Transasia / Erba	516	0.56	36.51	0.2	0.51 mg/dL	-0.25	0.02
2	LDL	Direct method / Enzymatic colorimetric	Transasia / Erba	167	61.04	14.13	8.62	62 mg/dL	0.11	1.33

u\* - method of uncertainty

Z-Score	Interpretation
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