



# 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: 20431

LAB NAME: **DIAGNOSTICS**

CONSTITUENT GROUP

**Chemistry I**

Date of Result Entered: 22/07/2024

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	128.8 mg/dL	-0.25	0.46
2	UREA	Urease UV / GLDH	Transasia / Erba	1105	48.2	8.15	3.93	55.8 mg/dL	1.93	0.24
3	CREATININE	Enzymatic Colorimetric	Transasia / Erba	585	2.55	5.85	0.15	2.58 mg/dL	0.2	0.01
4	T.BILIRUBIN	Diazonium salt ( Colorimetric ) / Jendrassik	Transasia / Erba	1124	7.44	9.49	0.71	6.77 mg/dL	-0.94	0.04
5	T-PROTEIN	Biuret - Colorimetric	Transasia / Erba	1139	5.48	6.96	0.38	5.68 g/dL	0.53	0.02
6	ALBUMIN	BCG - colorimetric	Transasia / Erba	1113	3.3	5.34	0.18	3.35 g/dL	0.28	0.01
7	URIC ACID	Enzymatic / Uricase Colorimetric	Transasia / Erba	1113	8.89	8.15	0.72	8.7 mg/dL	-0.26	0.04
8	CHOLESTEROL	CHOD-PAP	Transasia / Erba	1142	101.05	8.95	9.05	97.4 mg/dL	-0.4	0.54
9	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Transasia / Erba	1111	104.6	9.84	10.29	100.9 mg/dL	-0.36	0.62
10	HDL	Direct method / Enzymatic colorimetric	Transasia / Erba	902	25.22	10.97	2.77	26.3 mg/dL	0.39	0.18
11	AST	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	1078	108.43	10.53	11.41	102.8 U/L	-0.49	0.7
12	ALT	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	1086	49.65	20.83	10.34	42.1 U/L	-0.73	0.63
13	ALP	PNP AMP kinetic	Transasia / Erba	1045	160.62	17.84	28.65	157.3 U/L	-0.12	1.77



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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

DIAGNOSTICS,  
190B, RASHBEHARI AVENUE, KOLKATA,  
West Bengal

#### 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.