



# CHRISTIAN MEDICAL COLLEGE

VELLORE, TAMIL NADU - 632004. INDIA

## DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME



PC-1024

### MONTHLY SUMMARY REPORT - APRIL 2024

LAB NO: 19527

LAB NAME: **SHRI DHANWANTRY AYURVEDIC COLLEGE & HOSP**

CONSTITUENT GROUP

**Chemistry I**

Date of Result Entered: 18/04/2024

Date of Result Published: 08/05/2024

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	Hexokinase	Beckman AU480/680/5800/DXC70 0AU	149	121.48	3.53	4.29	125 mg/dL	0.82	0.7
2	UREA	Urease UV / GLDH	Beckman AU480/680/5800/DXC70 0AU	189	36.9	4.87	1.8	38.7 mg/dL	1	0.26
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Beckman AU480/680/5800/DXC70 0AU	124	1.73	6.06	0.1	1.7 mg/dL	-0.29	0.02
4	T.BILIRUBIN	Others ( DPD, Vanadate Oxidation )	Any Analyser (Automation / Semi Automation )	250	2.18	11.7	0.25	2.42 mg/dL	0.94	0.03
5	T-PROTEIN	Biuret - Colorimetric	Beckman AU480/680/5800/DXC70 0AU	181	4.8	3.81	0.18	4.53 g/dL	-1.48	0.03
6	ALBUMIN	BCG - colorimetric	Beckman AU480/680/5800/DXC70 0AU	182	3.05	4.23	0.13	3.1 g/dL	0.39	0.02
7	CALCIUM	OCPC ( O - Cresolphthalein Complexone )	Any Analyser (Automation / Semi Automation )	221	8.98	9.74	0.88	8.68 mg/dL	-0.34	0.12
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Beckman AU480/680/5800/DXC70 0AU	138	5.83	5.16	0.3	5.98 mg/dL	0.5	0.05
9	URIC ACID	Enzymatic / Uricase Colorimetric	Beckman AU480/680/5800/DXC70 0AU	178	4.59	4.35	0.2	4.57 mg/dL	-0.1	0.03
10	CHOLESTEROL	CHOD-PAP	Beckman AU480/680/5800/DXC70 0AU	180	106.85	5.03	5.38	102 mg/dL	-0.9	0.8
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Beckman AU480/680/5800/DXC70 0AU	171	144.02	6.27	9.03	151 mg/dL	0.77	1.38
12	AST	UV kinetic(with & without PLP (P-5-P))	Beckman AU480/680/5800/DXC70 0AU	174	111.25	6.69	7.44	110.1 U/L	-0.15	1.13
13	ALT	UV kinetic(with & without PLP (P-5-P))	Beckman AU480/680/5800/DXC70 0AU	166	41.81	9.6	4.01	42.6 U/L	0.2	0.62
14	ALP	PNP AMP kinetic	Beckman AU480/680/5800/DXC70 0AU	170	194.23	10.22	19.86	206 U/L	0.59	3.05



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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

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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.