



# CHRISTIAN MEDICAL COLLEGE

VELLORE, TAMIL NADU - 632004. INDIA

## DEPARTMENT OF CLINICAL BIOCHEMISTRY CMC EXTERNAL QUALITY ASSURANCE SCHEME



PC-1024

### MONTHLY SUMMARY REPORT - JUNE 2024

LAB NO: 19013  
LAB NAME: **ESIC MEDICAL COLLEGE**

CONSTITUENT GROUP

**Chemistry I**

Date of Result Entered: 20/06/2024

Date of Result Published: 27/06/2024

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	Agape	225	314.42	6.18	19.43	297.72 mg/dL	-0.86	2.59
2	UREA	Urease UV / GLDH	Agape	238	79.77	7.4	5.9	81.09 mg/dL	0.22	0.77
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Agape	120	1.64	11.64	0.19	1.75 mg/dL	0.58	0.03
4	T.BILIRUBIN	Diazonium salt ( Colorimetric ) / Jendrassik	Agape	203	2.48	10.13	0.25	2.22 mg/dL	-1.04	0.04
5	T-PROTEIN	Biuret - Colorimetric	Agape	233	5.42	6.52	0.35	5.62 g/dL	0.57	0.05
6	ALBUMIN	BCG - colorimetric	Agape	214	3.44	7.15	0.25	3.38 g/dL	-0.24	0.03
7	CALCIUM	Arsenazo III	Agape	175	10.23	6.3	0.64	10.43 mg/dL	0.31	0.1
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Agape	114	5.52	7.48	0.41	5.93 mg/dL	0.99	0.08
9	URIC ACID	Enzymatic / Uricase Colorimetric	Agape	231	3.73	8.61	0.32	3.9 mg/dL	0.53	0.04
10	CHOLESTEROL	CHOD-PAP	Agape	246	108.75	8.16	8.87	95.55 mg/dL	-1.49	1.13
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Agape	233	97.98	8.11	7.95	97.29 mg/dL	-0.09	1.04
12	HDL	Direct method / Enzymatic colorimetric	Agape	207	26.18	10.19	2.67	25 mg/dL	-0.44	0.37
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation )	1464	125.91	3.67	4.62	123.1 mmol/L	-0.61	0.24
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation )	1475	3.11	6.92	0.22	3 mmol/L	-0.51	0.01
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation )	1188	93.81	5.06	4.75	99 mmol/L	1.09	0.28
16	AST	UV kinetic(with & without PLP (P-5-P))	Agape	226	74.39	9.74	7.25	63.73 U/L	-1.47	0.96
17	ALT	UV kinetic(with & without PLP (P-5-P))	Agape	215	210.43	18.48	38.9	157.57 U/L	-1.36	5.31



# CHRISTIAN MEDICAL COLLEGE

VELLORE, TAMIL NADU - 632004. INDIA

## DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME



PC-1024

### MONTHLY SUMMARY REPORT - JUNE 2024

LAB NO: 19013

LAB NAME: **ESIC MEDICAL COLLEGE**

CONSTITUENT GROUP

**Chemistry I**

Date of Result Entered: 20/06/2024

Date of Result Published: 27/06/2024

PT Item: Lyophilized human serum based

S. No.	Analyte	Method / Principle	Analyser	No. of Participants	AV	Participants		Your Value	Z Score	u*
						CV	SDPA			
18	ALP	PNP DEA kinetic	Any Analyser (Automation / Semi Automation )	444	77.94	33	25.72	52.8 U/L	-0.98	2.44
19	MAGNESIUM	Xylidyl Blue	Agape	40	1.86	18	0.33	1.83 mg/dL	-0.09	0.11

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

ESIC MEDICAL COLLEGE,  
PROF & HEAD DEPARTMENT OF BIOCHEMISTRY,  
GULBARGA SEDAN ROAD,  
Karnataka

#### 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.