



CHRISTIAN MEDICAL COLLEGE

VELLORE, TAMIL NADU - 632004. INDIA

DEPARTMENT OF CLINICAL BIOCHEMISTRY CMC EXTERNAL QUALITY ASSURANCE SCHEME



PC-1024

MONTHLY SUMMARY REPORT - AUGUST 2024

LAB NO: 20079
LAB NAME: **ESIC HOSPITAL**

CONSTITUENT GROUP

Chemistry I

Date of Result Entered: 19/08/2024

Date of Result Published: 02/09/2024

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	1171	178.67	6.29	11.24	182.6 mg/dL	0.35	0.66
2	UREA	Urease UV / GLDH	Transasia / Erba	1135	97.28	7.43	7.23	91 mg/dL	-0.87	0.43
3	CREATININE	Enzymatic Colorimetric	Transasia / Erba	587	4.15	5.55	0.23	4.56 mg/dL	1.78	0.02
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Transasia / Erba	1144	3.96	9.72	0.38	3.6 mg/dL	-0.95	0.02
5	T-PROTEIN	Biuret - Colorimetric	Transasia / Erba	1162	5.34	7.46	0.4	5.09 g/dL	-0.63	0.02
6	ALBUMIN	BCG - colorimetric	Transasia / Erba	1141	3.24	5.31	0.17	3.02 g/dL	-1.29	0.01
7	CALCIUM	Arsenazo III	Transasia / Erba	818	9.36	6.94	0.65	9.7 mg/dL	0.52	0.05
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Transasia / Erba	580	5.03	10.02	0.5	4.81 mg/dL	-0.44	0.04
9	URIC ACID	Enzymatic / Uricase Colorimetric	Transasia / Erba	1135	5.76	7.92	0.46	6.2 mg/dL	0.96	0.03
10	CHOLESTEROL	CHOD-PAP	Transasia / Erba	1170	96.03	8.9	8.54	86 mg/dL	-1.17	0.5
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Transasia / Erba	1133	147.88	8.22	12.15	152.8 mg/dL	0.4	0.72
12	HDL	Direct method / Enzymatic colorimetric	Transasia / Erba	921	24.41	11.83	2.89	23.6 mg/dL	-0.28	0.19
13	SODIUM	ISE - Direct	Transasia / Erba	273	133.98	2.75	3.68	128.7 mmol/L	-1.43	0.45
14	POTASSIUM	ISE - Direct	Transasia / Erba	272	4.77	4.49	0.21	4.87 mmol/L	0.48	0.03
15	CHLORIDE	ISE - Direct	Transasia / Erba	219	99.24	4.35	4.32	102.9 mmol/L	0.85	0.58
16	AST	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	1105	53.86	11.27	6.07	104.9 U/L	8.41	0.37
17	ALT	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	1114	98.02	21.48	21.06	50.4 U/L	-2.26	1.26



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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

ESIC HOSPITAL,
DEPARTMENT OF PATHOLOGY, ROOM NO.25,
GROUND FLOOR, SURVEY NO.689/690, NEAR
PANCHDEEP BHAVAN, BIBVEWADI,

Coordinator Contact Details:

E-Mail: 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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HbA1c

Date of Result Entered: 09/08/2024

Date of Result Published: 02/09/2024

PT Item: Lyophilized human whole blood based

S. No.	Analyte	Method / Principle	Analyser	No. of Participants	AV	Participants		Your Value	Z Score	u*
						CV	SDPA			
1	HbA1c	OTHERS (Any Other Principles / Methods)	Any Analyser (Automation / Semi Automation)	398	6.25	11.14	0.7	7.1 %	1.21	0.07

u* - method of uncertainty

Z-Score	Interpretation
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1	D.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Transasia / Erba	552	0.4	25.92	0.1	0.3 mg/dL	-1	0.01

u* - method of uncertainty

Z-Score	Interpretation
$ z \leq 2.0$	Acceptable
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