



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: 20079
LAB NAME: **ESIC HOSPITAL**

CONSTITUENT GROUP

Chemistry I

Date of Result Entered: 18/07/2024

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	139.2 mg/dL	1.09	0.46
2	UREA	Urease UV / GLDH	Transasia / Erba	1105	48.2	8.15	3.93	46.2 mg/dL	-0.51	0.24
3	CREATININE	Enzymatic Colorimetric	Transasia / Erba	585	2.55	5.85	0.15	2.83 mg/dL	1.87	0.01
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Transasia / Erba	1124	7.44	9.49	0.71	7.03 mg/dL	-0.58	0.04
5	T-PROTEIN	Biuret - Colorimetric	Transasia / Erba	1139	5.48	6.96	0.38	6.02 g/dL	1.42	0.02
6	ALBUMIN	BCG - colorimetric	Transasia / Erba	1113	3.3	5.34	0.18	3.2 g/dL	-0.56	0.01
7	CALCIUM	Arsenazo III	Transasia / Erba	805	9.69	6.91	0.67	10.3 mg/dL	0.91	0.05
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Transasia / Erba	580	8.11	9.36	0.76	8.4 mg/dL	0.38	0.06
9	URIC ACID	Enzymatic / Uricase Colorimetric	Transasia / Erba	1113	8.89	8.15	0.72	9.8 mg/dL	1.26	0.04
10	CHOLESTEROL	CHOD-PAP	Transasia / Erba	1142	101.05	8.95	9.05	89 mg/dL	-1.33	0.54
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Transasia / Erba	1111	104.6	9.84	10.29	113.8 mg/dL	0.89	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	SODIUM	ISE - Direct	Transasia / Erba	266	133.04	3.14	4.17	136.6 mmol/L	0.85	0.51
14	POTASSIUM	ISE - Direct	Transasia / Erba	267	3.82	4.63	0.18	3.83 mmol/L	0.06	0.02
15	CHLORIDE	ISE - Direct	Transasia / Erba	214	96.39	4.34	4.19	94.9 mmol/L	-0.36	0.57
16	AST	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	1078	108.43	10.53	11.41	109.5 U/L	0.09	0.7
17	ALT	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	1086	49.65	20.83	10.34	51.3 U/L	0.16	0.63



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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,
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GROUND FLOOR, SURVEY NO.689/690, NEAR
PANCHDEEP BHAVAN, BIBVEWADI,

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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,
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Christian Medical College, Vellore.