



CHRISTIAN MEDICAL COLLEGE

VELLORE, TAMIL NADU - 632004. INDIA

DEPARTMENT OF CLINICAL BIOCHEMISTRY CMC EXTERNAL QUALITY ASSURANCE SCHEME



PC-1024

MONTHLY SUMMARY REPORT - SEPTEMBER 2024

LAB NO: 20247

LAB NAME: **ESIC MODEL HOSPITAL, BAPUNAGAR**

CONSTITUENT GROUP

Chemistry I

Date of Result Entered: 20/09/2024

Date of Result Published: 09/10/2024

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	1162	104.13	5.88	6.12	101 mg/dL	-0.51	0.36
2	UREA	Urease UV / GLDH	Transasia / Erba	1134	57.62	7.22	4.16	59.6 mg/dL	0.48	0.25
3	CREATININE	Enzymatic Colorimetric	Transasia / Erba	593	1.82	6.72	0.12	1.64 mg/dL	-1.5	0.01
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Transasia / Erba	1153	3.75	8.87	0.33	4.07 mg/dL	0.97	0.02
5	T-PROTEIN	Biuret - Colorimetric	Transasia / Erba	1162	5.49	7.09	0.39	5.53 g/dL	0.1	0.02
6	ALBUMIN	BCG - colorimetric	Transasia / Erba	1143	3.34	5.16	0.17	3.33 g/dL	-0.06	0.01
7	CALCIUM	Arsenazo III	Transasia / Erba	814	9.42	6.53	0.61	10.6 mg/dL	1.93	0.04
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Transasia / Erba	575	4.08	11.5	0.47	4.21 mg/dL	0.28	0.04
9	URIC ACID	Enzymatic / Uricase Colorimetric	Transasia / Erba	1143	4.61	7.99	0.37	4.6 mg/dL	-0.03	0.02
10	CHOLESTEROL	CHOD-PAP	Transasia / Erba	1175	107.49	7.76	8.34	111 mg/dL	0.42	0.49
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Transasia / Erba	1136	94.7	9.78	9.27	98 mg/dL	0.36	0.55
12	HDL	Direct method / Enzymatic colorimetric	Transasia / Erba	923	25.23	11.67	2.94	28.1 mg/dL	0.98	0.19
13	AST	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	1105	31.99	11.87	3.8	30.1 U/L	-0.5	0.23
14	ALT	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	1113	39.97	15.43	6.17	37.6 U/L	-0.38	0.37
15	ALP	PNP AMP kinetic	Transasia / Erba	1067	113.2	15.25	17.26	131 U/L	1.03	1.06
16	AMYLASE	CNPG3	Transasia / Erba	556	123.88	17.96	22.25	116 U/L	-0.35	1.89
17	IRON	Ferro Zine (No Protein Removal)	Transasia / Erba	84	81.01	18.04	14.62	74.8 ug/dL	-0.42	3.19



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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 MODEL HOSPITAL, BAPUNAGAR,
BIOCHEMISTRY LABORATORY, DEPARTMENT OF
PATHOLOGY, NEAR HARDASNAGAR POLICE
CHOWKI,

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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						CV	SDPA			
1	D.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Transasia / Erba	583	0.41	27.77	0.11	0.31 mg/dL	-0.91	0.01
2	LDL	Direct method / Enzymatic colorimetric	Transasia / Erba	189	64.14	12.74	8.17	66 mg/dL	0.23	1.19

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MONTHLY SUMMARY REPORT - JULY 2024

LAB NO: 20247

LAB NAME: **ESIC MODEL HOSPITAL, BAPUNAGAR**

CONSTITUENT GROUP

Chemistry I

Date of Result Entered: 20/07/2024

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	108 mg/dL	-2.92	0.46
2	UREA	Urease UV / GLDH	Transasia / Erba	1105	48.2	8.15	3.93	41.3 mg/dL	-1.76	0.24
3	CREATININE	Enzymatic Colorimetric	Transasia / Erba	585	2.55	5.85	0.15	2.51 mg/dL	-0.27	0.01
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Transasia / Erba	1124	7.44	9.49	0.71	6.64 mg/dL	-1.13	0.04
5	T-PROTEIN	Biuret - Colorimetric	Transasia / Erba	1139	5.48	6.96	0.38	5.28 g/dL	-0.53	0.02
6	ALBUMIN	BCG - colorimetric	Transasia / Erba	1113	3.3	5.34	0.18	3.22 g/dL	-0.44	0.01
7	CALCIUM	Arsenazo III	Transasia / Erba	805	9.69	6.91	0.67	7.7 mg/dL	-2.97	0.05
8	URIC ACID	Enzymatic / Uricase Colorimetric	Transasia / Erba	1113	8.89	8.15	0.72	7.2 mg/dL	-2.35	0.04
9	CHOLESTEROL	CHOD-PAP	Transasia / Erba	1142	101.05	8.95	9.05	114 mg/dL	1.43	0.54
10	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Transasia / Erba	1111	104.6	9.84	10.29	124 mg/dL	1.89	0.62
11	HDL	Direct method / Enzymatic colorimetric	Transasia / Erba	902	25.22	10.97	2.77	23.9 mg/dL	-0.48	0.18
12	SODIUM	ISE - Direct	Transasia / Erba	266	133.04	3.14	4.17	133.4 mmol/L	0.09	0.51
13	POTASSIUM	ISE - Direct	Transasia / Erba	267	3.82	4.63	0.18	3.66 mmol/L	-0.89	0.02
14	CHLORIDE	ISE - Direct	Transasia / Erba	214	96.39	4.34	4.19	96.2 mmol/L	-0.05	0.57
15	AST	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	1078	108.43	10.53	11.41	92.7 U/L	-1.38	0.7
16	ALT	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	1086	49.65	20.83	10.34	37.9 U/L	-1.14	0.63
17	ALP	PNP AMP kinetic	Transasia / Erba	1045	160.62	17.84	28.65	144 U/L	-0.58	1.77
18	AMYLASE	CNPG3	Transasia / Erba	544	34.21	17.59	6.02	26 U/L	-1.36	0.52
19	IRON	Ferro Zine (No Protein Removal)	Transasia / Erba	80	131.52	14.83	19.5	130.9 ug/dL	-0.03	4.36



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