



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: 19698
LAB NAME: **PAYAS PATHOLOGY LABORATORY**

CONSTITUENT GROUP

Chemistry I

Date of Result Entered: 17/08/2024

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	176 mg/dL	-0.24	0.66
2	UREA	Urease UV / GLDH	Transasia / Erba	1135	97.28	7.43	7.23	110 mg/dL	1.66	0.43
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Transasia / Erba	545	3.87	10.56	0.41	4.4 mg/dL	1.29	0.03
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Transasia / Erba	1144	3.96	9.72	0.38	3.9 mg/dL	-0.16	0.02
5	T-PROTEIN	Biuret - Colorimetric	Transasia / Erba	1162	5.34	7.46	0.4	5 g/dL	-0.85	0.02
6	ALBUMIN	BCG - colorimetric	Transasia / Erba	1141	3.24	5.31	0.17	3.6 g/dL	1.12	0.01
7	CALCIUM	Arsenazo III	Transasia / Erba	818	9.36	6.94	0.65	8.2 mg/dL	-1.78	0.05
8	URIC ACID	Enzymatic/ Uricase Colorimetric	Transasia / Erba	1135	5.76	7.92	0.46	5.3 mg/dL	-1	0.03
9	CHOLESTEROL	CHOD-PAP	Transasia / Erba	1170	96.03	8.9	8.54	100 mg/dL	0.46	0.5
10	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric/ End Point	Transasia / Erba	1133	147.88	8.22	12.15	148 mg/dL	0.01	0.72
11	HDL	Direct method/ Enzymatic colorimetric	Transasia / Erba	921	24.41	11.83	2.89	28 mg/dL	1.24	0.19
12	SODIUM	ISE - Indirect	Any Analyser	554	134.35	2.96	3.98	134 mmol/L	-0.09	0.34
13	POTASSIUM	ISE - Indirect	Any Analyser	552	4.73	5.99	0.28	4.5 mmol/L	-0.82	0.02
14	CHLORIDE	ISE - Indirect	Any Analyser	412	99.52	3.77	3.75	100 mmol/L	0.13	0.37
15	AST	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	1105	53.86	11.27	6.07	64 U/L	1.67	0.37
16	ALT	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	1114	98.02	21.48	21.06	124 U/L	1.23	1.26
17	ALP	PNP AMP kinetic	Transasia / Erba	1072	97.8	16.39	16.03	96 U/L	-0.11	0.98
18	AMYLASE	CNPG3	Any Analyser (Automation/ Semi Automation)	600	77.82	20.91	16.27	70 U/L	-0.48	1.33



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19	MAGNESIUM	Xylidyl Blue	Any Analyser (Manual or Automation)	243	2.27	18.9	0.43	2.9 mg/dL	1.47	0.05
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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

PAYAS PATHOLOGY LABORATORY,
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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.