



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: 19055
LAB NAME: **PATHLINE DIAGNOSTIC LAB**

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	Any Analyser (Automation / Semi Automation)	1306	126.85	5.69	7.22	135.3 mg/dL	1.17	0.4
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	1167	47.2	9.02	4.26	44.6 mg/dL	-0.61	0.25
3	CREATININE	Enzymatic Colorimetric	Any Analyser (Automation / Semi Automation)	252	2.5	9.18	0.23	2.29 mg/dL	-0.91	0.03
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Any Analyser (Automation / Semi Automation)	1155	6.94	12.07	0.84	7.73 mg/dL	0.94	0.05
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	1263	5.36	6.93	0.37	6.23 g/dL	2.35	0.02
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	1229	3.2	9.36	0.3	3.55 g/dL	1.17	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	1045	9.57	5.48	0.52	9.9 mg/dL	0.63	0.03
8	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	1257	8.62	8.52	0.73	9.6 mg/dL	1.34	0.04
9	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	1267	107.3	7.74	8.31	122 mg/dL	1.77	0.47
10	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation)	1238	124.92	9.56	11.94	118.4 mg/dL	-0.55	0.68
11	HDL	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation)	1015	24.41	12.04	2.94	26.7 mg/dL	0.78	0.18
12	SODIUM	Dry Chemistry	Fuji Dry Chemistry series	73	133.97	2.42	3.24	134.4 mmol/L	0.13	0.76
13	POTASSIUM	Dry Chemistry	Fuji Dry Chemistry series	73	3.87	3.21	0.12	4.22 mmol/L	2.92	0.03
14	CHLORIDE	Dry Chemistry	Fuji Dry Chemistry series	71	95.38	4.2	4.01	109.9 mmol/L	3.62	0.95
15	AST	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1212	109.92	9.49	10.43	92.6 U/L	-1.66	0.6



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16	ALT	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1215	48.79	16.89	8.24	30.2 U/L	-2.26	0.47
17	ALP	PNP DEA kinetic	Any Analyser (Automation / Semi Automation)	467	204.62	21.42	43.84	144 U/L	-1.38	4.06

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

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Haldwani,

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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.