



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: 13645

LAB NAME: **NEHA PATHOLOGY LAB**

CONSTITUENT GROUP

Chemistry I

Date of Result Entered: 19/07/2024

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	129.6 mg/dL	0.38	0.4
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	1167	47.2	9.02	4.26	46.01 mg/dL	-0.28	0.25
3	CREATININE	Enzymatic Colorimetric	Any Analyser (Automation / Semi Automation)	252	2.5	9.18	0.23	2.51 mg/dL	0.04	0.03
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Any Analyser (Automation / Semi Automation)	1155	6.94	12.07	0.84	6.4 mg/dL	-0.64	0.05
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	1263	5.36	6.93	0.37	5.4 g/dL	0.11	0.02
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	1229	3.2	9.36	0.3	3.3 g/dL	0.33	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	1045	9.57	5.48	0.52	8.7 mg/dL	-1.67	0.03
8	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	1257	8.62	8.52	0.73	8.49 mg/dL	-0.18	0.04
9	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	1267	107.3	7.74	8.31	108.47 mg/dL	0.14	0.47
10	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation)	1238	124.92	9.56	11.94	123.18 mg/dL	-0.15	0.68
11	HDL	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation)	1015	24.41	12.04	2.94	23.01 mg/dL	-0.48	0.18
12	AST	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1212	109.92	9.49	10.43	106.37 U/L	-0.34	0.6
13	ALT	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1215	48.79	16.89	8.24	35.97 U/L	-1.56	0.47
14	ALP	PNP DEA kinetic	Any Analyser (Automation / Semi Automation)	467	204.62	21.42	43.84	211.43 U/L	0.16	4.06



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						CV	SDPA			

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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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

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