



CHRISTIAN MEDICAL COLLEGE

VELLORE, TAMIL NADU - 632004. INDIA

DEPARTMENT OF CLINICAL BIOCHEMISTRY CMC EXTERNAL QUALITY ASSURANCE SCHEME



PC-1024

MONTHLY SUMMARY REPORT - JUNE 2024

LAB NO: 19896

LAB NAME: **GAUTAM LABDHI MEDICAL & RESEARCH CHARITAE**

CONSTITUENT GROUP

Chemistry I

Date of Result Entered: 10/06/2024

Date of Result Published: 27/06/2024

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)	1290	303.92	5.91	17.97	325.1 mg/dL	1.18	1
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	1166	78.13	7.68	6	85 mg/dL	1.14	0.35
3	CREATININE	Enzymatic Colorimetric	Any Analyser (Automation / Semi Automation)	249	1.68	9.37	0.16	1.56 mg/dL	-0.76	0.02
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Any Analyser (Automation / Semi Automation)	1161	2.46	18.18	0.45	3.01 mg/dL	1.23	0.03
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	1256	5.37	7.71	0.41	5.64 g/dL	0.65	0.02
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	1226	3.24	8.36	0.27	1.93 g/dL	-4.83	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	1036	9.76	6.21	0.61	11 mg/dL	2.05	0.04
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation)	506	5.44	13.5	0.73	5.56 mg/dL	0.16	0.07
9	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	1205	4.11	15.24	0.63	3.74 mg/dL	-0.59	0.04
10	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	1235	114.86	5.63	6.47	115 mg/dL	0.02	0.37
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation)	1212	101.55	8.87	9.01	106.7 mg/dL	0.57	0.52
12	HDL	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation)	1000	26.27	11.71	3.08	33.9 mg/dL	2.48	0.19
13	SODIUM	ISE - Direct	Transasia / Erba	267	125.36	4.02	5.04	122.4 mmol/L	-0.59	0.62
14	POTASSIUM	ISE - Direct	Transasia / Erba	263	3.08	6.11	0.19	3.03 mmol/L	-0.27	0.02
15	CHLORIDE	ISE - Direct	Transasia / Erba	212	92.19	4.92	4.53	93.3 mmol/L	0.24	0.62



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16	AST	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1154	77.15	10.14	7.82	81.5 U/L	0.56	0.46
17	ALT	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1180	205.62	16.45	33.83	190.6 U/L	-0.44	1.97
18	ALP	PNP DEA kinetic	Any Analyser (Automation / Semi Automation)	444	77.94	33	25.72	73.5 U/L	-0.17	2.44

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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CHARITABLE TRUST,
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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.