



CHRISTIAN MEDICAL COLLEGE

VELLORE, TAMIL NADU - 632004. INDIA

DEPARTMENT OF CLINICAL BIOCHEMISTRY CMC EXTERNAL QUALITY ASSURANCE SCHEME



PC-1024

MONTHLY SUMMARY REPORT - MAY 2024

LAB NO: 19896

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

CONSTITUENT GROUP

Chemistry I

Date of Result Entered: 07/05/2024

Date of Result Published: 30/05/2024

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)	1236	172.76	5.94	10.27	178.3 mg/dL	0.54	0.58
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	1115	92.31	7.71	7.12	88 mg/dL	-0.61	0.43
3	CREATININE	Enzymatic Colorimetric	Any Analyser (Automation / Semi Automation)	232	4.05	7.41	0.3	3.81 mg/dL	-0.8	0.04
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Any Analyser (Automation / Semi Automation)	774	3.87	11.24	0.44	3.96 mg/dL	0.21	0.03
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	1155	5.23	6.56	0.34	5.64 g/dL	1.2	0.02
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	1174	3.11	9.07	0.28	2.83 g/dL	-0.99	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	994	9.45	5.6	0.53	9.07 mg/dL	-0.72	0.03
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation)	365	4.62	10.02	0.46	5.2 mg/dL	1.25	0.05
9	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	975	5.91	9.9	0.58	6.32 mg/dL	0.7	0.04
10	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	1229	102.69	7.38	7.58	94 mg/dL	-1.15	0.43
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation)	1164	168.51	6.16	10.37	149.9 mg/dL	-1.79	0.61
12	HDL	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation)	887	23.44	10.01	2.35	26.8 mg/dL	1.43	0.16
13	SODIUM	ISE - Direct	Transasia / Erba	260	133.65	3.11	4.15	132.8 mmol/L	-0.2	0.52
14	POTASSIUM	ISE - Direct	Transasia / Erba	260	4.75	5.29	0.25	4.9 mmol/L	0.6	0.03
15	CHLORIDE	ISE - Direct	Transasia / Erba	210	99.35	4.42	4.39	97.1 mmol/L	-0.51	0.61



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16	AST	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1115	55.28	9.9	5.47	55.2 U/L	-0.01	0.33
17	ALT	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1010	103.7	11.18	11.6	110.5 U/L	0.59	0.73
18	ALP	PNP DEA kinetic	Any Analyser (Automation / Semi Automation)	150	112.64	10.95	12.33	122.8 U/L	0.82	2.01

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.