



CHRISTIAN MEDICAL COLLEGE

VELLORE, TAMIL NADU - 632004. INDIA

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME



PC-1024

MONTHLY SUMMARY REPORT - MARCH 2024

LAB NO: 19967

LAB NAME: **AARADHYA HEALTH CARA SUPERSPECIALITY HOSPITAL**

CONSTITUENT GROUP

Chemistry I

Date of Result Entered: 12/03/2024

Date of Result Published: 06/04/2024

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)	1212	168.46	5.37	9.05	161.5 mg/dL	-0.77	0.52
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	1028	26.16	11.14	2.91	21.64 mg/dL	-1.55	0.18
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Any Analyser (Automation / Semi Automation)	892	0.99	12.31	0.12	1.08 mg/dL	0.75	0.01
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Any Analyser (Automation / Semi Automation)	910	0.83	19.57	0.16	0.72 mg/dL	-0.69	0.01
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	1188	5.74	6.49	0.37	6.04 g/dL	0.81	0.02
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	1165	3.51	7.61	0.27	3.53 g/dL	0.07	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	993	9.74	5.72	0.56	9.09 mg/dL	-1.16	0.04
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation)	414	6.48	11.26	0.73	6.29 mg/dL	-0.26	0.07
9	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	1079	3.54	16.34	0.58	3.1 mg/dL	-0.76	0.04
10	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	1195	115.97	5.49	6.36	103.8 mg/dL	-1.91	0.37
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation)	1151	95.64	7.93	7.59	111.4 mg/dL	2.08	0.45
12	HDL	Precipitation method	Any Analyser (Automation / Semi Automation)	100	28.83	9.78	2.82	22.36 mg/dL	-2.29	0.56
13	SODIUM	ISE - Indirect	Any Analyser	560	137.64	3	4.13	135.6 mmol/L	-0.49	0.35
14	POTASSIUM	ISE - Indirect	Any Analyser	526	3.59	4.68	0.17	3.56 mmol/L	-0.18	0.01
15	CHLORIDE	ISE - Indirect	Any Analyser	382	103.62	3.63	3.76	101.4 mmol/L	-0.59	0.38



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16	AST	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1130	58.2	9.44	5.49	60.8 U/L	0.47	0.33
17	ALT	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1121	86.34	12.41	10.71	83.1 U/L	-0.3	0.64
18	ALP	PNP DEA kinetic	Any Analyser (Automation / Semi Automation)	383	152.11	19.81	30.13	84.3 U/L	-2.25	3.08
19	AMYLASE	CNPG3	Any Analyser (Automation / Semi Automation)	487	72.81	16.59	12.08	81.5 U/L	0.72	1.09

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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AARPEE CHAMBERS MANAL METRO STATION
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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.