



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: 19967

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

CONSTITUENT GROUP

Chemistry I

Date of Result Entered: 17/07/2024

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	127.9 mg/dL	0.15	0.4
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	1167	47.2	9.02	4.26	39.8 mg/dL	-1.74	0.25
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Any Analyser (Automation / Semi Automation)	965	2.37	11.19	0.27	2.19 mg/dL	-0.67	0.02
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Any Analyser (Automation / Semi Automation)	1155	6.94	12.07	0.84	6.56 mg/dL	-0.45	0.05
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	1263	5.36	6.93	0.37	5.34 g/dL	-0.05	0.02
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	1229	3.2	9.36	0.3	3.02 g/dL	-0.6	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	1045	9.57	5.48	0.52	9.32 mg/dL	-0.48	0.03
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation)	504	7.73	15.8	1.22	8.8 mg/dL	0.88	0.11
9	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	1257	8.62	8.52	0.73	8.46 mg/dL	-0.22	0.04
10	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	1267	107.3	7.74	8.31	100.5 mg/dL	-0.82	0.47
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation)	1238	124.92	9.56	11.94	121.8 mg/dL	-0.26	0.68
12	HDL	Precipitation method	Any Analyser (Automation / Semi Automation)	157	27.71	18.22	5.05	30.67 mg/dL	0.59	0.81
13	SODIUM	ISE - Indirect	Any Analyser	554	133.03	2.93	3.9	130.2 mmol/L	-0.73	0.33
14	POTASSIUM	ISE - Indirect	Any Analyser	549	3.82	4.93	0.19	3.58 mmol/L	-1.26	0.02
15	CHLORIDE	ISE - Indirect	Any Analyser	411	97.12	4.18	4.06	92.1 mmol/L	-1.24	0.4



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						CV	SDPA			
16	AST	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1212	109.92	9.49	10.43	102.9 U/L	-0.67	0.6
17	ALT	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1215	48.79	16.89	8.24	42.1 U/L	-0.81	0.47
18	ALP	PNP DEA kinetic	Any Analyser (Automation / Semi Automation)	467	204.62	21.42	43.84	116.8 U/L	-2	4.06
19	AMYLASE	CNPG3	Any Analyser (Automation / Semi Automation)	590	44.21	21.02	9.3	43.5 U/L	-0.08	0.77

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

AARADHYA HEALTH CARA SUPERSPECIALITY HOSPITAL,
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.