



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: 2513

LAB NAME: **TIRUPATI DIAGNOSTIC CENTRE**

CONSTITUENT GROUP

Chemistry I

Date of Result Entered: 07/06/2024

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	Hexokinase	Roche c111, c311, Integra 400, c501, c502, c503, c702	261	311.42	4	12.45	298.9 mg/dL	-1.01	1.54
2	UREA	Urease UV / GLDH	Roche c111, c311, Integra 400, c501, c502, c503, c702	284	78.71	5.28	4.16	77 mg/dL	-0.41	0.49
3	CREATININE	Enzymatic Colorimetric	Roche c111, c311, Integra 400, c501, c502, c503, c702	31	1.74	7.13	0.12	1.7 mg/dL	-0.32	0.04
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Roche c111, c311, Integra 400, c501, c502, c503, c702	275	2.36	5.97	0.14	2.46 mg/dL	0.71	0.02
5	T-PROTEIN	Biuret - Colorimetric	Roche c111, c311, Integra 400, c501, c502, c503, c702	281	5.08	3.23	0.16	5.02 g/dL	-0.37	0.02
6	ALBUMIN	BCG - colorimetric	Roche c111, c311, Integra 400, c501, c502, c503, c702	267	3.34	3.84	0.13	3.21 g/dL	-1.02	0.02
7	URIC ACID	Enzymatic / Uricase Colorimetric	Roche c111, c311, Integra 400, c501, c502, c503, c702	278	3.47	4.15	0.14	3.4 mg/dL	-0.49	0.02
8	CHOLESTEROL	CHOD-PAP	Roche c111, c311, Integra 400, c501, c502, c503, c702	281	113.77	4.12	4.68	113.6 mg/dL	-0.04	0.56
9	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Roche c111, c311, Integra 400, c501, c502, c503, c702	265	111.26	4.33	4.82	111.2 mg/dL	-0.01	0.59
10	HDL	Direct method / Enzymatic colorimetric	Roche c111, c311, Integra 400, c501, c502, c503, c702	268	23.2	5.87	1.36	23.7 mg/dL	0.37	0.17
11	SODIUM	ISE - Indirect	Any Analyser	549	125.92	3.56	4.48	121 mmol/L	-1.1	0.38
12	POTASSIUM	ISE - Indirect	Any Analyser	548	3.1	5.52	0.17	2.8 mmol/L	-1.75	0.01
13	CHLORIDE	OTHERS (Any Other Principles / Methods)	Any Analyser (Automation / Semi Automation)	422	95.44	3.13	2.99	97 mmol/L	0.52	0.29
14	AST	UV kinetic(with & without PLP (P-5-P))	Roche c111, c311, Integra 400, c501, c502, c503, c702	260	76.01	8.01	6.09	75 U/L	-0.17	0.75



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						CV	SDPA			
15	ALT	UV kinetic(with & without PLP (P-5-P))	Roche c111, c311, Integra 400, c501, c502, c503, c702	266	207.55	12.69	26.34	219.2 U/L	0.44	3.23
16	ALP	PNP AMP kinetic	Roche c111, c311, Integra 400, c501, c502, c503, c702	276	47.45	8.2	3.89	48 U/L	0.14	0.47
17	AMYLASE	Enzymatic Colorimetric / G7PNP Blocked	Roche c111, c311, Integra 400, c501, c502, c503, c702	176	90.12	3.64	3.28	89 U/L	-0.34	0.49

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 *****

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