



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: 0643

LAB NAME: **ADICHUNCHANAGIRI HOSPITAL & RES.CENTRE**

CONSTITUENT GROUP

Chemistry I

Date of Result Entered: 20/05/2024

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	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	285	165.68	3.72	6.16	169 mg/dL	0.54	0.73
2	UREA	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	280	100.91	3.59	3.63	99.3 mg/dL	-0.44	0.43
3	CREATININE	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	286	3.99	3.96	0.16	3.7 mg/dL	-1.84	0.02
4	T.BILIRUBIN	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	281	3.7	7.06	0.26	4 mg/dL	1.15	0.03
5	T-PROTEIN	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	291	4.9	3.33	0.16	4.8 g/dL	-0.61	0.02
6	ALBUMIN	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	290	2.84	4.36	0.12	2.7 g/dL	-1.13	0.01
7	CALCIUM	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	275	8.82	3.66	0.32	8.6 mg/dL	-0.68	0.04
8	PHOSPHORUS	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	210	4.5	4.55	0.2	4.8 mg/dL	1.46	0.03
9	URIC ACID	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	279	5.4	3.24	0.17	5.1 mg/dL	-1.71	0.02
10	CHOLESTEROL	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	260	94.07	4.91	4.62	98 mg/dL	0.85	0.57
11	TRIGLYCERIDE	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	264	197.25	4.46	8.8	188 mg/dL	-1.05	1.08
12	HDL	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	254	20.64	6.45	1.33	20 mg/dL	-0.48	0.17
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1410	134.02	3.08	4.13	133 mmol/L	-0.25	0.22
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1427	4.73	5.73	0.27	4.5 mmol/L	-0.85	0.01



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						CV	SDPA			
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	1167	99.99	4.28	4.28	100 mmol/L	0	0.25
16	AST	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	291	72.64	6.4	4.65	73 U/L	0.08	0.54
17	ALT	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	257	122.27	10.14	12.4	132 U/L	0.78	1.55
18	ALP	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	291	88.71	8.44	7.48	94 U/L	0.71	0.88
19	AMYLASE	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	140	69.59	8.72	6.07	70 U/L	0.07	1.03
20	MAGNESIUM	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	125	1.94	5.16	0.1	2 mg/dL	0.6	0.02

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

ADICHUNCHANAGIRI HOSPITAL & RES.CENTRE,
NAGAMANGALA TQ, MANDYA DISTRICT ,
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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

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Christian Medical College, Vellore.