



CHRISTIAN MEDICAL COLLEGE

VELLORE, TAMIL NADU - 632004. INDIA

DEPARTMENT OF CLINICAL BIOCHEMISTRY CMC EXTERNAL QUALITY ASSURANCE SCHEME



PC-1024

MONTHLY SUMMARY REPORT - AUGUST 2024

LAB NO: 0643

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

CONSTITUENT GROUP

Chemistry I

Date of Result Entered: 13/08/2024

Date of Result Published: 01/10/2024

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	299	164.38	3.96	6.51	162 mg/dL	-0.37	0.75
2	UREA	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	301	101.34	3.37	3.42	102.3 mg/dL	0.28	0.39
3	CREATININE	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	302	3.97	4.2	0.17	3.9 mg/dL	-0.41	0.02
4	T.BILIRUBIN	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	303	3.62	8.2	0.3	3.4 mg/dL	-0.73	0.03
5	T-PROTEIN	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	308	4.95	3.49	0.17	4.8 g/dL	-0.88	0.02
6	ALBUMIN	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	305	2.85	4.8	0.14	2.8 g/dL	-0.36	0.02
7	CALCIUM	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	282	8.75	3.69	0.32	8.4 mg/dL	-1.09	0.04
8	PHOSPHORUS	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	223	4.53	4.38	0.2	4.4 mg/dL	-0.65	0.03
9	URIC ACID	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	296	5.39	3.47	0.19	4.9 mg/dL	-2.58	0.02
10	CHOLESTEROL	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	277	93.53	5.27	4.93	101 mg/dL	1.52	0.59
11	TRIGLYCERIDE	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	280	200.56	4.13	8.28	185 mg/dL	-1.88	0.99
12	HDL	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	272	20.69	6.06	1.25	23 mg/dL	1.85	0.15
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1499	134.52	3.11	4.18	133 mmol/L	-0.36	0.22
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1499	4.73	5.63	0.27	4.8 mmol/L	0.26	0.01



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15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	1210	100.09	4.17	4.17	97 mmol/L	-0.74	0.24
16	AST	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	313	71.28	8.39	5.98	74 U/L	0.45	0.68
17	ALT	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	309	119.6	13.51	16.15	137 U/L	1.08	1.84
18	ALP	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	310	90.03	8.33	7.5	77 U/L	-1.74	0.85
19	AMYLASE	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	179	68.69	9.92	6.81	69 U/L	0.05	1.02
20	MAGNESIUM	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	127	1.93	5.91	0.11	2.1 mg/dL	1.55	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 ,
Karnataka

Coordinator Contact Details:

E-Mail: clinqc@cmcvellore.ac.in
Contact No.: 0416-2283102

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.



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						CV	SDPA			
1	GLUCOSE	Hexokinase	Beckman AU480/680/5800/DXC70 0AU	172	98	5.04	4.94	106 mg/dL	1.62	0.75
2	UREA	Urease UV / GLDH	Beckman AU480/680/5800/DXC70 0AU	211	57.19	4.96	2.84	54.9 mg/dL	-0.81	0.39
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Beckman AU480/680/5800/DXC70 0AU	139	1.82	6.46	0.12	1.9 mg/dL	0.67	0.02
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Beckman AU480/680/5800/DXC70 0AU	145	4.15	4.29	0.18	4.3 mg/dL	0.83	0.03
5	T-PROTEIN	Biuret - Colorimetric	Beckman AU480/680/5800/DXC70 0AU	201	4.9	3.86	0.19	5 g/dL	0.53	0.03
6	ALBUMIN	BCG - colorimetric	Beckman AU480/680/5800/DXC70 0AU	204	3.12	4.02	0.13	3.2 g/dL	0.62	0.02
7	CALCIUM	Arsenazo III	Beckman AU480/680/5800/DXC70 0AU	200	9.22	3.49	0.32	9.16 mg/dL	-0.19	0.05
8	PHOSPHORUS	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	218	3.54	5.77	0.2	3.5 mg/dL	-0.2	0.03
9	URIC ACID	Enzymatic / Uricase Colorimetric	Beckman AU480/680/5800/DXC70 0AU	198	4.41	3.75	0.17	4.6 mg/dL	1.12	0.02
10	CHOLESTEROL	CHOD-PAP	Beckman AU480/680/5800/DXC70 0AU	198	112.93	4.88	5.51	119 mg/dL	1.1	0.78
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Beckman AU480/680/5800/DXC70 0AU	199	111.82	6.88	7.69	109 mg/dL	-0.37	1.09
12	HDL	Direct method / Enzymatic colorimetric	Beckman AU480/680/5800/DXC70 0AU	190	24.1	6.73	1.62	30 mg/dL	3.64	0.24
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1516	134.37	3.07	4.12	137 mmol/L	0.64	0.21
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1520	3.39	5.52	0.19	3.4 mmol/L	0.05	0.01



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						CV	SDPA			
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	1237	98.42	4.22	4.15	104 mmol/L	1.34	0.24
16	AST	UV kinetic(with & without PLP (P-5-P))	Beckman AU480/680/5800/DXC70 0AU	197	35.54	7.56	2.69	39 U/L	1.29	0.38
17	ALT	UV kinetic(with & without PLP (P-5-P))	Beckman AU480/680/5800/DXC70 0AU	199	43.08	10.61	4.57	52 U/L	1.95	0.65
18	ALP	PNP AMP kinetic	Beckman AU480/680/5800/DXC70 0AU	195	126.97	10.91	13.85	131 U/L	0.29	1.98
19	AMYLASE	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	176	134.81	5.31	7.16	145 U/L	1.42	1.08
20	MAGNESIUM	Xylidyl Blue	Beckman AU480/680/5800/DXC70 0AU	79	1.48	5.79	0.09	1.4 mg/dL	-0.89	0.02

u* - method of uncertainty

Z-Score	Interpretation
$ z \leq 2.0$	Acceptable
$2.0 < z < 3.0$	Warning Signal
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						CV	SDPA			
1	D.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Beckman AU480/680/5800/DXC70 0AU	96	0.85	8.23	0.07	1.2 mg/dL	5	0.01
2	LDL	Direct method / Enzymatic colorimetric	Beckman AU480/680/5800/DXC70 0AU	57	74.14	7.64	5.66	83.8 mg/dL	1.71	1.5

u* - method of uncertainty

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HbA1c

Date of Result Entered: 18/09/2024

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PT Item: Lyophilized human whole blood based

S. No.	Analyte	Method / Principle	Analyser	No. of Participants	AV	Participants		Your Value	Z Score	u*
						CV	SDPA			
1	HbA1c	HPLC-Ion Exchange	Any Analyser	251	6.36	9.34	0.59	5.8 %	-0.95	0.07

u* - method of uncertainty

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$ z \leq 2.0$	Acceptable
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