



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - NOVEMBER 2023



PC-1024

Lab Name **WELLCARE CLINICAL LAB**

Lab No **18797**

Constituent Group **Chemistry I**

Date of Result Entered : **20/11/2023**

PT item **Lyophilized human serum based**

Date of Report Published : **05/12/2023**

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE	GOD-POD	CPC (Turbochem 100 / 240 Prime)	72	91.47	8.96	8.20	80.12 mg/dL	-1.38	1.93
2	UREA	Urease UV / GLDH	CPC (Turbochem 100 / 240 Prime)	59	90.24	7.54	6.80	65 mg/dL	-3.71	1.77
3	CREATININE	Jaffes Kinetic - Alkaline picrate	CPC (Turbochem 100 / 240 Prime)	58	1.07	12.59	0.14	1.01 mg/dL	-0.44	0.04
4	T.BILIRUBIN	Others (DPD, Vanadate Oxidation)	Any Analyser (Automation / Semi Automation)	250	7.92	9.80	0.78	6.99 mg/dL	-1.20	0.10
5	T-PROTEIN	Biuret - Colorimetric	CPC (Turbochem 100 / 240 Prime)	68	3.82	9.26	0.35	3.78 g/dL	-0.11	0.09
6	ALBUMIN	BCG - colorimetric	CPC (Turbochem 100 / 240 Prime)	70	2.49	7.44	0.18	2.46 g/dL	-0.16	0.04
7	CALCIUM	Arsenazo III	CPC (Turbochem 100 / 240 Prime)	52	8.49	8.28	0.70	8.99 mg/dL	0.71	0.19
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	CPC (Turbochem 100 / 240 Prime)	28	6.49	11.65	0.76	5.68 mg/dL	-1.07	0.29
9	URIC ACID	Enzymatic / Uricase Colorimetric	CPC (Turbochem 100 / 240 Prime)	53	3.37	13.13	0.44	3.87 mg/dL	1.13	0.12
10	CHOLESTEROL	CHOD-PAP	CPC (Turbochem 100 / 240 Prime)	61	77.03	10.76	8.29	70.48 mg/dL	-0.79	2.12
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	CPC (Turbochem 100 / 240 Prime)	47	168.90	6.54	11.05	155 mg/dL	-1.26	3.22
12	HDL	Direct method / Enzymatic colorimetric	CPC (Turbochem 100 / 240 Prime)	43	21.09	13.38	2.82	19.73 mg/dL	-0.48	0.86
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1238	121.75	3.92	4.78	119.7 mmol/L	-0.43	0.27
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1237	3.31	5.63	0.19	3.01 mmol/L	-1.61	0.01
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	1025	90.44	5.32	4.81	92.8 mmol/L	0.49	0.30
16	AST	UV kinetic(with & without PLP (P-5-P))	CPC (Turbochem 100 / 240 Prime)	65	109.91	13.82	15.19	67.68 U/L	-2.78	3.77
17	ALT	UV kinetic(with & without PLP (P-5-P))	CPC (Turbochem 100 / 240 Prime)	58	29.39	15.19	4.47	12.51 U/L	-3.78	1.17
18	ALP	PNP AMP kinetic	CPC (Turbochem 100 / 240 Prime)	49	107.58	16.27	17.50	88.12 U/L	-1.11	5.00

19	AMYLASE	CNPG3	CPC (Turbochem 100 / 240 Prime)	33	31.45	11.19	3.52	33.73 U/L	0.65	1.22
20	MAGNESIUM	Xylidyl Blue	Any Analyser (Automation / Semi Automation)	156	3.36	17.00	0.57	2.99 mg/dL	-0.65	0.09

SDI Range	Interpretation
Within -1.00 to +1.00	Excellent.
Within ± 1.01 to ± 2.00	Good.
Within ± 2.01 to ± 2.99	Accept with caution. Warning Signal.
Beyond ± 3.0	Unacceptable performance. 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 *****