



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY
CMC EXTERNAL QUALITY ASSURANCE SCHEME
MONTHLY SUMMARY REPORT - OCTOBER 2023



PC-1024

Lab Name **WELLCARE CLINICAL LAB**

Lab No **18797**

Constituent Group **Chemistry I**

Date of Result Entered : **17/10/2023**

PT item **Lyophilized human serum based**

Date of Report Published : **04/11/2023**

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)	66	368.49	5.54	20.42	399.4 mg/dL	1.51	5.03
2	UREA	Urease UV / GLDH	CPC (Turbochem 100 / 240 Prime)	61	43.93	7.38	3.24	44.87 mg/dL	0.29	0.83
3	CREATININE	Jaffes Kinetic - Alkaline picrate	CPC (Turbochem 100 / 240 Prime)	50	7.15	9.76	0.70	7.01 mg/dL	-0.20	0.20
4	T.BILIRUBIN	Others (DPD, Vanadate Oxidation)	Any Analyser (Automation / Semi Automation)	257	1.47	15.98	0.24	1.21 mg/dL	-1.11	0.03
5	T-PROTEIN	Biuret - Colorimetric	CPC (Turbochem 100 / 240 Prime)	64	4.88	8.73	0.43	5.19 g/dL	0.73	0.11
6	ALBUMIN	BCG - colorimetric	CPC (Turbochem 100 / 240 Prime)	63	3.13	6.23	0.20	3.17 g/dL	0.21	0.05
7	CALCIUM	Arsenazo III	CPC (Turbochem 100 / 240 Prime)	58	11.51	8.36	0.96	11.29 mg/dL	-0.23	0.25
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	CPC (Turbochem 100 / 240 Prime)	24	3.48	8.24	0.29	5.57 mg/dL	7.21	0.12
9	URIC ACID	Enzymatic / Uricase Colorimetric	CPC (Turbochem 100 / 240 Prime)	64	10.06	8.10	0.82	11 mg/dL	1.15	0.20
10	CHOLESTEROL	CHOD-PAP	CPC (Turbochem 100 / 240 Prime)	68	101.76	7.52	7.66	111.06 mg/dL	1.21	1.86
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	CPC (Turbochem 100 / 240 Prime)	59	75.03	11.07	8.31	76.89 mg/dL	0.22	2.16
12	HDL	Direct method / Enzymatic colorimetric	CPC (Turbochem 100 / 240 Prime)	44	25.50	12.26	3.13	26.7 mg/dL	0.38	0.94
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1261	137.19	2.84	3.90	276 mmol/L	35.59	0.22
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1266	5.62	6.65	0.37	5.98 mmol/L	0.96	0.02
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	1070	102.76	4.00	4.11	204.8 mmol/L	24.83	0.25
16	AST	UV kinetic(with & without PLP (P-5-P))	CPC (Turbochem 100 / 240 Prime)	58	97.13	12.16	11.81	83.07 U/L	-1.19	3.10
17	ALT	UV kinetic(with & without PLP (P-5-P))	CPC (Turbochem 100 / 240 Prime)	54	125.90	16.42	20.67	85.43 U/L	-1.96	5.62
18	ALP	PNP AMP kinetic	CPC (Turbochem 100 / 240 Prime)	59	448.05	14.32	64.16	470.32 U/L	0.35	16.71

19	AMYLASE	CNPG3	CPC (Turbochem 100 / 240 Prime)	28	157.93	13.02	20.56	187.65 U/L	1.45	7.77
20	MAGNESIUM	Xylidyl Blue	Any Analyser (Automation / Semi Automation)	160	1.67	17.74	0.30	2.35 mg/dL	2.27	0.05

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 *****