



# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - SEPTEMBER 2023



PC-1024

Lab Name **WELLCARE CLINICAL LAB**

Lab No **18797**

Constituent Group **Chemistry I**

Date of Result Entered : **14/09/2023**

PT item **Lyophilized human serum based**

Date of Report Published : **05/10/2023**

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	208.62	5.52	11.51	168.9 mg/dL	-3.45	2.83
2	UREA	Urease UV / GLDH	CPC ( Turbochem 100 / 240 Prime )	67	109.62	6.99	7.66	91.31 mg/dL	-2.39	1.87
3	CREATININE	Jaffes Kinetic - Alkaline picrate	CPC ( Turbochem 100 / 240 Prime )	57	7.53	8.92	0.67	6.2 mg/dL	-1.98	0.18
4	T.BILIRUBIN	Others ( DPD, Vanadate Oxidation )	Any Analyser (Automation / Semi Automation )	259	2.13	14.66	0.31	1.38 mg/dL	-2.40	0.04
5	T-PROTEIN	Biuret - Colorimetric	CPC ( Turbochem 100 / 240 Prime )	78	5.29	8.99	0.48	4.5 g/dL	-1.66	0.11
6	ALBUMIN	BCG - colorimetric	CPC ( Turbochem 100 / 240 Prime )	75	3.37	7.65	0.26	2.89 g/dL	-1.86	0.06
7	CALCIUM	Arsenazo III	CPC ( Turbochem 100 / 240 Prime )	59	10.67	6.26	0.67	8.72 mg/dL	-2.92	0.17
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	CPC ( Turbochem 100 / 240 Prime )	30	5.74	9.78	0.56	4.94 mg/dL	-1.42	0.21
9	URIC ACID	Enzymatic / Uricase Colorimetric	CPC ( Turbochem 100 / 240 Prime )	69	6.96	10.09	0.70	6.93 mg/dL	-0.04	0.17
10	CHOLESTEROL	CHOD-PAP	CPC ( Turbochem 100 / 240 Prime )	66	121.20	8.62	10.45	104.27 mg/dL	-1.62	2.57
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	CPC ( Turbochem 100 / 240 Prime )	69	118.44	9.57	11.34	107.73 mg/dL	-0.94	2.73
12	HDL	Direct method / Enzymatic colorimetric	CPC ( Turbochem 100 / 240 Prime )	32	25.00	8.52	2.13	27.51 mg/dL	1.18	0.75
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation )	1285	133.72	2.84	3.80	110.1 mmol/L	-6.22	0.21
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation )	1286	4.72	5.34	0.25	3.98 mmol/L	-2.94	0.01
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation )	1046	101.71	3.64	3.70	87.7 mmol/L	-3.79	0.23
16	AST	UV kinetic(with & without PLP (P-5-P))	CPC ( Turbochem 100 / 240 Prime )	65	97.62	10.57	10.32	68.8 U/L	-2.79	2.56
17	ALT	UV kinetic(with & without PLP (P-5-P))	CPC ( Turbochem 100 / 240 Prime )	65	56.54	14.51	8.21	36.03 U/L	-2.50	2.04
18	ALP	PNP AMP kinetic	CPC ( Turbochem 100 / 240 Prime )	65	157.83	15.54	24.53	160.05 U/L	0.09	6.08
19	AMYLASE	CNPG3	CPC ( Turbochem 100 / 240 Prime )	29	116.79	12.15	14.18	115.1 U/L	-0.12	5.27
20	MAGNESIUM	Xylidyl Blue	Any Analyser (Automation / Semi Automation )	197	2.33	15.19	0.35	2.49 mg/dL	0.45	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 \*\*\*\*\***