



# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - APRIL 2023



PC-1024

Lab Name **REGINAL DIAGNOSTIC CENTRE  
PATHOLOGY LAB, T.B SAPRU HOSPITAL** Lab No **14416**

Constituent Group **Chemistry I** Date of Result Entered : **19/04/2023**

PT item **Lyophilized human serum based** Date of Report Published : **08/05/2023**

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE	GOD-POD	Any Analyser (Automation / Semi Automation )	1042	149.08	6.86	10.22	137.41 mg/dL	-1.14	0.63
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation )	706	38.03	10.55	4.01	45.15 mg/dL	1.78	0.30
3	CREATININE	Jaffes End point	Any Analyser (Automation / Semi Automation )	316	2.86	9.95	0.28	3.09 mg/dL	0.81	0.03
4	T.BILIRUBIN	Others ( DPD, Vanadate Oxidation )	Any Analyser (Automation / Semi Automation )	229	2.99	11.96	0.36	2.53 mg/dL	-1.28	0.05
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation )	1024	5.63	8.55	0.48	5.96 g/dL	0.68	0.03
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation )	750	3.39	7.50	0.25	3.48 g/dL	0.35	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation )	927	10.77	10.17	1.10	12.76 mg/dL	1.82	0.07
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation )	385	3.54	14.97	0.53	3.86 mg/dL	0.60	0.05
9	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation )	1000	5.67	14.41	0.82	7 mg/dL	1.63	0.05
10	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation )	1078	120.85	10.87	13.13	125.4 mg/dL	0.35	0.80
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation )	1036	111.58	10.98	12.25	117.6 mg/dL	0.49	0.76
12	HDL	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation )	742	29.95	20.73	6.21	23.94 mg/dL	-0.97	0.46
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation )	1181	131.83	3.23	4.26	140 mmol/L	1.92	0.25
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation )	1175	5.43	5.95	0.32	5.8 mmol/L	1.15	0.02
15	AST	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation )	1031	86.19	17.90	15.42	99.51 U/L	0.86	0.96
16	ALT	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation )	1049	66.71	17.40	11.61	60.78 U/L	-0.51	0.72
17	ALP	PNP DEA kinetic	Any Analyser (Automation / Semi Automation )	355	130.78	23.06	30.15	152.71 U/L	0.73	3.20

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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*Pamela Christudoss*

**Dr. Pamela Christudoss  
CMC EQAS Coordinator  
Christian Medical College, Vellore**

**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 \*\*\*\*\***