



# CHRISTIAN MEDICAL COLLEGE

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



PC-1024

Lab Name J.P HOSPITAL , BHOPAL

Lab No 7791

Constituent Group Chemistry I

Date of Result Entered : 15/06/2023

PT item Lyophilized human serum based

Date of Report Published : 04/07/2023

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE	GOD-POD	Biosystems	317	123.41	5.06	6.24	124.23 mg/dL	0.13	0.70
2	UREA	Urease UV / GLDH	Biosystems	296	45.89	9.63	4.42	52.44 mg/dL	1.48	0.51
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Biosystems	252	2.01	8.82	0.18	1.87 mg/dL	-0.79	0.02
4	T.BILIRUBIN	Diazonium salt ( Colorimetric ) / Jendrassik	Biosystems	257	2.62	17.69	0.46	2.55 mg/dL	-0.15	0.06
5	T-PROTEIN	Biuret - Colorimetric	Biosystems	319	5.88	6.09	0.36	6.24 g/dL	1.01	0.04
6	ALBUMIN	BCG - colorimetric	Biosystems	309	3.44	7.08	0.24	3.34 g/dL	-0.41	0.03
7	CALCIUM	Arsenazo III	Biosystems	211	10.33	7.29	0.75	10.47 mg/dL	0.19	0.10
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Biosystems	127	4.29	11.76	0.50	4.39 mg/dL	0.20	0.09
9	URIC ACID	Enzymatic / Uricase Colorimetric	Biosystems	290	5.63	9.08	0.51	5.55 mg/dL	-0.16	0.06
10	CHOLESTEROL	CHOD-PAP	Biosystems	324	122.95	7.29	8.96	129.32 mg/dL	0.71	1.00
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Biosystems	306	176.62	7.35	12.97	173.48 mg/dL	-0.24	1.48
12	HDL	Direct method / Enzymatic colorimetric	Biosystems	224	29.03	13.19	3.83	23.99 mg/dL	-1.32	0.51
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1247	134.31	3.28	4.40	146.93 mmol/L	2.87	0.25
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1244	5.18	5.90	0.31	5.75 mmol/L	1.86	0.02
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	983	101.78	4.10	4.18	113.45 mmol/L	2.79	0.27
16	AST	UV kinetic(with & without PLP (P-5-P))	Biosystems	290	75.95	10.20	7.75	72.02 U/L	-0.51	0.91
17	ALT	UV kinetic(with & without PLP (P-5-P))	Biosystems	289	50.02	14.43	7.22	53.89 U/L	0.54	0.85
18	ALP	PNP AMP kinetic	Biosystems	302	119.35	14.46	17.26	156.71 U/L	2.16	1.99
19	AMYLASE	Enzymatic Colorimetric / G7PNP Blocked	Any Analyser (Automation / Semi Automation)	284	69.12	20.55	14.21	72.01 U/L	0.20	1.69
20	IRON	Ferro Zine ( No Protein Removal )	Biosystems	57	136.18	8.86	12.06	128.05 ug/dL	-0.67	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 :  
J.P HOSPITAL , BHOPAL  
TULSHI NAGAR, BHOPAL  
BHOPAL  
MADHYA PRADESH462004

Coordinator Contact Details:  
Email:clinqc@cmcvellore.ac.in  
Contact Number: 0416-2283102

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

Homogeneity and Stability of the sample is passed.