



# CHRISTIAN MEDICAL COLLEGE

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



PC-1024

Lab Name **SUMUKH PRAYOGALAYA** Lab No **3809**  
Constituent Group **Chemistry I** Date of Result Entered : **16/03/2023**  
PT Item **Lyophilized human serum based** Date of Report Published : **04/04/2023**

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE	Hexokinase	Siemens ( Advia Series / Dimension Series )	100	323.12	4.65	15.02	316 mg/dL	-0.47	3.00
2	UREA	Urease UV / GLDH	Siemens ( Advia Series / Dimension Series )	121	58.75	4.91	2.88	55.64 mg/dL	-1.08	0.52
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Siemens ( Advia Series / Dimension Series )	104	2.07	6.37	0.13	1.92 mg/dL	-1.14	0.03
4	T.BILIRUBIN	Diazonium salt ( Colorimetric ) / Jendrassik	Siemens ( Advia Series / Dimension Series )	116	5.53	5.28	0.29	5.51 mg/dL	-0.07	0.05
5	T-PROTEIN	Biuret - Colorimetric	Siemens ( Advia Series / Dimension Series )	119	5.07	3.46	0.18	5 g/dL	-0.40	0.03
6	ALBUMIN	BCG - colorimetric	Siemens ( Advia Series / Dimension Series )	48	3.08	5.16	0.16	2.9 g/dL	-1.13	0.05
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation )	909	9.37	7.83	0.73	9.1 mg/dL	-0.37	0.05
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Siemens ( Advia Series / Dimension Series )	69	8.51	4.13	0.35	8.4 mg/dL	-0.31	0.08
9	URIC ACID	Enzymatic / Uricase Colorimetric	Siemens ( Advia Series / Dimension Series )	115	3.79	4.46	0.17	3.6 mg/dL	-1.12	0.03
10	CHOLESTEROL	CHOD-PAP	Siemens ( Advia Series / Dimension Series )	107	85.16	6.70	5.71	77 mg/dL	-1.43	1.10
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Siemens ( Advia Series / Dimension Series )	116	146.17	4.37	6.39	148 mg/dL	0.29	1.19
12	HDL	Direct method / Enzymatic colorimetric	Siemens ( Advia Series / Dimension Series )	107	26.65	9.01	2.40	27 mg/dL	0.15	0.46
13	SODIUM	ISE - Indirect	Roche C111, C311, Integra 400 plus, C501, C502, C702	191	140.17	3.94	5.53	138.4 mmol/L	-0.32	0.80
14	POTASSIUM	ISE - Indirect	Roche C111, C311, Integra 400 plus, C501, C502, C702	194	4.23	5.25	0.22	4.25 mmol/L	0.09	0.03
15	CHLORIDE	ISE - Indirect	Roche C111, C311, Integra 400 plus, C501, C502, C702	155	97.58	3.91	3.82	96.9 mmol/L	-0.18	0.61
16	AST	UV kinetic(with & without PLP (P-5-P))	Siemens ( Advia Series / Dimension Series )	109	85.46	6.80	5.81	83 U/L	-0.42	1.11
17	ALT	UV kinetic(with & without PLP (P-5-P))	Siemens ( Advia Series / Dimension Series )	111	246.58	9.44	23.28	213 U/L	-1.44	4.42
18	ALP	PNP AMP kinetic	Siemens ( Advia Series / Dimension Series )	106	45.24	10.50	4.75	46 U/L	0.16	0.92

19	AMYLASE	Enzymatic Colorimetric / G7PNP Blocked	Siemens ( Advia Series / Dimension Series )	12	105.00	3.23	3.39	104 U/L	-0.30	1.96
20	IRON	Ferro Zine ( No Protein Removal )	Any Analyser (Automation / Semi Automation )	119	120.99	16.96	20.52	136 ug/dL	0.73	3.76
21	MAGNESIUM	Others ( Any other principles / Methods)	Any Analyser (Automation / Semi Automation )	130	1.68	20.05	0.34	1.2 mg/dL	-1.42	0.06

SDI Range	Interpretation
Within -1.00 to +1.00	Excellent.
Within $\pm 1.01$ to $\pm 2.00$	Good.
Within $\pm 2.01$ to $\pm 2.99$	Accept with caution. Warning Signal.
Beyond $\pm 3.0$	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  
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 \*\*\*\*\* End of Report \*\*\*\*\*