



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - MARCH 2023



PC-1024

Lab Name **BIO 5** Lab No **18322**
 Constituent Group **Chemistry I** Date of Result Entered : **18/03/2023**
 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 CV	SD	Your Value	SDI	U
1	GLUCOSE	Hexokinase	Any Analyser (Automation / Semi Automation)	190	330.16	5.20	17.16	322 mg/dL	-0.48	2.49
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	700	58.51	9.15	5.35	57.3 mg/dL	-0.23	0.40
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Any Analyser (Automation / Semi Automation)	795	1.84	14.24	0.26	2.07 mg/dL	0.88	0.02
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Any Analyser (Automation / Semi Automation)	927	5.66	12.32	0.70	7.28 mg/dL	2.32	0.05
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	1082	5.49	10.00	0.55	4.9 g/dL	-1.07	0.03
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	751	3.31	7.29	0.24	3.4 g/dL	0.37	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	909	9.37	7.83	0.73	10.8 mg/dL	1.95	0.05
8	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	1038	110.71	10.15	11.24	105 mg/dL	-0.51	0.70
9	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation)	1004	146.11	8.05	11.77	130 mg/dL	-1.37	0.74
10	HDL	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation)	701	28.43	19.18	5.45	24 mg/dL	-0.81	0.41
11	SODIUM	ISE - Indirect	Any Analyser	544	137.41	2.92	4.01	141.3 mmol/L	0.97	0.34
12	POTASSIUM	ISE - Indirect	Any Analyser	554	4.06	4.75	0.19	4.29 mmol/L	1.19	0.02
13	CHLORIDE	ISE - Indirect	Any Analyser	402	99.95	4.28	4.28	91.4 mmol/L	-2.00	0.43
14	AST	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1032	69.96	12.49	8.74	62.6 U/L	-0.84	0.54
15	ALT	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	949	197.38	18.40	36.32	179.6 U/L	-0.49	2.36
16	ALP	PNP AMP kinetic	Any Analyser (Automation / Semi Automation)	713	52.08	20.82	10.84	57 U/L	0.45	0.81

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 :

BIO 5

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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 *******