



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - JULY 2023



PC-1024

Lab Name **CENTRAL LAB** Lab No **18555**

Constituent Group **Chemistry I** Date of Result Entered : **17/07/2023**

PT item **Lyophilized human serum based** Date of Report Published : **07/08/2023**

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants CV	Participants SD	Your Value	SDI	U
1	GLUCOSE	GOD-POD	Transasia / Erba	958	290.09	5.86	17.01	295.5 mg/dL	0.32	1.10
2	UREA	Urease UV / GLDH	Transasia / Erba	936	65.47	7.64	5.00	64 mg/dL	-0.29	0.33
3	CREATININE	Enzymatic Colorimetric	Transasia / Erba	477	4.42	5.66	0.25	4.57 mg/dL	0.60	0.02
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Transasia / Erba	949	3.51	9.32	0.33	3.09 mg/dL	-1.28	0.02
5	T-PROTEIN	Biuret - Colorimetric	Transasia / Erba	968	6.14	6.87	0.42	5.42 g/dL	-1.71	0.03
6	ALBUMIN	BCG - colorimetric	Transasia / Erba	983	3.59	5.24	0.19	3.4 g/dL	-1.01	0.01
7	CALCIUM	OCPC (O - Cresolphthalein Compleazone)	Any Analyser (Automation / Semi Automation)	232	10.10	7.86	0.79	10.36 mg/dL	0.33	0.10
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Transasia / Erba	443	5.35	8.25	0.44	4.49 mg/dL	-1.95	0.04
9	URIC ACID	Enzymatic / Uricase Colorimetric	Transasia / Erba	932	6.10	7.64	0.47	5.6 mg/dL	-1.07	0.03
10	CHOLESTEROL	CHOD-PAP	Transasia / Erba	936	121.13	6.92	8.38	124.4 mg/dL	0.39	0.55
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Transasia / Erba	692	138.26	7.58	10.48	145.4 mg/dL	0.68	0.80
12	HDL	Direct method / Enzymatic colorimetric	Transasia / Erba	726	29.95	10.29	3.08	25.2 mg/dL	-1.54	0.23
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1249	133.23	2.96	3.95	135.1 mmol/L	0.47	0.22
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1240	4.26	4.44	0.19	4.4 mmol/L	0.74	0.01
15	AST	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	915	204.74	8.96	18.35	199 U/L	-0.31	1.21
16	ALT	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	927	277.56	11.78	32.69	279 U/L	0.04	2.15
17	ALP	PNP AMP kinetic	Transasia / Erba	918	210.77	15.90	33.52	197 U/L	-0.41	2.21
18	AMYLASE	Enzymatic Colorimetric / G7PNP Blocked	Any Analyser (Automation / Semi Automation)	261	64.05	17.50	11.21	82 U/L	1.60	1.39
19	MAGNESIUM	Others (Any other principles / Methods)	Any Analyser (Automation / Semi Automation)	166	3.11	17.62	0.55	2.78 mg/dL	-0.60	0.09

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 *******