



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - OCTOBER 2023



PC-1024

Lab Name **ESICMCH** Lab No **15151**
 Constituent Group **Chemistry I** Date of Result Entered : **21/10/2023**
 PT item **Lyophilized human serum based** Date of Report Published : **04/11/2023**

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	977	375.70	5.92	22.24	368.5 mg/dL	-0.32	1.42
2	UREA	Urease UV / GLDH	Transasia / Erba	959	43.19	8.83	3.81	39.9 mg/dL	-0.86	0.25
3	CREATININE	Enzymatic Colorimetric	Transasia / Erba	487	7.52	5.31	0.40	7.63 mg/dL	0.28	0.04
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Transasia / Erba	950	1.30	14.34	0.19	1.09 mg/dL	-1.13	0.01
5	T-PROTEIN	Biuret - Colorimetric	Transasia / Erba	974	5.15	7.24	0.37	4.98 g/dL	-0.46	0.02
6	ALBUMIN	BCG - colorimetric	Transasia / Erba	959	3.10	4.94	0.15	3.12 g/dL	0.13	0.01
7	CALCIUM	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	308	11.57	3.83	0.44	11.6 mg/dL	0.07	0.05
8	PHOSPHORUS	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	232	3.51	4.85	0.17	3.3 mg/dL	-1.24	0.02
9	URIC ACID	Enzymatic / Uricase Colorimetric	Transasia / Erba	951	10.95	8.33	0.91	10.5 mg/dL	-0.49	0.06
10	CHOLESTEROL	CHOD-PAP	Transasia / Erba	1001	99.45	8.00	7.95	92 mg/dL	-0.94	0.50
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Transasia / Erba	829	62.88	11.26	7.08	59.5 mg/dL	-0.48	0.49
12	HDL	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	286	20.08	6.28	1.26	19 mg/dL	-0.86	0.15
13	SODIUM	ISE - Direct	Transasia / Erba	244	137.31	2.67	3.67	139.9 mmol/L	0.71	0.47
14	POTASSIUM	ISE - Direct	Transasia / Erba	237	5.70	4.93	0.28	5.51 mmol/L	-0.68	0.04
15	CHLORIDE	ISE - Direct	Transasia / Erba	193	102.68	3.61	3.71	97.6 mmol/L	-1.37	0.53
16	AST	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	966	95.96	10.06	9.65	95.1 U/L	-0.09	0.62
17	ALT	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	923	123.06	14.72	18.12	131.4 U/L	0.46	1.19
18	ALP	PNP AMP kinetic	Transasia / Erba	837	457.83	15.22	69.68	413 U/L	-0.64	4.82
19	AMYLASE	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	173	140.28	8.70	12.20	132 U/L	-0.68	1.86
20	IRON	Dry Chemistry I	Ortho Clinical Diagnostics / Fuji - Dry Chemistry Series	97	168.93	10.82	18.28	172 ug/dL	0.17	3.71
21	MAGNESIUM	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	114	1.35	7.87	0.11	1.3 mg/dL	-0.47	0.02

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.

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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 *****