



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - NOVEMBER 2023



PC-1024

Lab Name **ESICMCH** Lab No **15151**
 Constituent Group **Chemistry I** Date of Result Entered : **09/11/2023**
 PT item **Lyophilized human serum based** Date of Report Published : **05/12/2023**

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	983	95.74	6.30	6.03	99.1 mg/dL	0.56	0.38
2	UREA	Urease UV / GLDH	Transasia / Erba	926	92.07	7.06	6.50	87.3 mg/dL	-0.73	0.43
3	CREATININE	Enzymatic Colorimetric	Transasia / Erba	500	1.13	8.99	0.10	1.08 mg/dL	-0.49	0.01
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Transasia / Erba	954	8.04	8.84	0.71	7.4 mg/dL	-0.90	0.05
5	T-PROTEIN	Biuret - Colorimetric	Transasia / Erba	999	4.22	9.05	0.38	3.97 g/dL	-0.65	0.02
6	ALBUMIN	BCG - colorimetric	Transasia / Erba	967	2.56	6.73	0.17	2.67 g/dL	0.64	0.01
7	CALCIUM	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	300	7.98	5.50	0.44	8.4 mg/dL	0.96	0.05
8	PHOSPHORUS	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	239	7.29	4.52	0.33	7 mg/dL	-0.88	0.04
9	URIC ACID	Enzymatic / Uricase Colorimetric	Transasia / Erba	879	3.53	8.85	0.31	3.3 mg/dL	-0.74	0.02
10	CHOLESTEROL	CHOD-PAP	Transasia / Erba	944	70.16	11.67	8.19	66 mg/dL	-0.51	0.53
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Transasia / Erba	947	152.99	7.31	11.18	159.6 mg/dL	0.59	0.73
12	HDL	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	283	15.21	7.09	1.08	19 mg/dL	3.52	0.13
13	SODIUM	ISE - Direct	Transasia / Erba	228	120.83	3.17	3.83	125.2 mmol/L	1.14	0.51
14	POTASSIUM	ISE - Direct	Transasia / Erba	246	3.28	4.78	0.16	3.18 mmol/L	-0.64	0.02
15	CHLORIDE	ISE - Direct	Transasia / Erba	188	88.19	4.25	3.75	89.5 mmol/L	0.35	0.55
16	AST	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	969	104.82	12.06	12.64	111.6 U/L	0.54	0.81
17	ALT	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	860	29.21	17.70	5.17	29.8 U/L	0.11	0.35
18	ALP	PNP AMP kinetic	Transasia / Erba	916	90.43	18.44	16.68	85 U/L	-0.33	1.10
19	AMYLASE	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	166	35.57	15.75	5.60	30 U/L	-0.99	0.87
20	IRON	Dry Chemistry I	Ortho Clinical Diagnostics / Fuji - Dry Chemistry Series	101	93.41	10.14	9.47	104 ug/dL	1.12	1.88
21	MAGNESIUM	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	120	3.88	4.27	0.17	4.3 mg/dL	2.53	0.03

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 *****