



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - DECEMBER 2023



PC-1024

Lab Name **ESICMCH** Lab No **15151**
 Constituent Group **Chemistry I** Date of Result Entered : **15/12/2023**
 PT item **Lyophilized human serum based** Date of Report Published : **02/01/2024**

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	950	210.22	6.35	13.35	245.5 mg/dL	2.64	0.87
2	UREA	Urease UV / GLDH	Transasia / Erba	939	111.72	6.88	7.69	114.9 mg/dL	0.41	0.50
3	CREATININE	Enzymatic Colorimetric	Transasia / Erba	517	7.89	5.75	0.45	7.82 mg/dL	-0.15	0.04
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Transasia / Erba	929	1.93	11.77	0.23	1.51 mg/dL	-1.85	0.01
5	T-PROTEIN	Biuret - Colorimetric	Transasia / Erba	945	5.72	6.90	0.40	5.41 g/dL	-0.78	0.03
6	ALBUMIN	BCG - colorimetric	Transasia / Erba	1009	3.40	5.29	0.18	3.65 g/dL	1.39	0.01
7	CALCIUM	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	300	10.01	3.29	0.33	11.3 mg/dL	3.92	0.04
8	PHOSPHORUS	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	232	5.69	5.01	0.28	5.3 mg/dL	-1.37	0.04
9	URIC ACID	Enzymatic / Uricase Colorimetric	Transasia / Erba	1013	7.21	8.71	0.63	7.7 mg/dL	0.78	0.04
10	CHOLESTEROL	CHOD-PAP	Transasia / Erba	988	116.61	7.69	8.97	124 mg/dL	0.82	0.57
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Transasia / Erba	939	91.37	11.93	10.90	96.4 mg/dL	0.46	0.71
12	HDL	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	282	21.90	6.81	1.49	29.5 mg/dL	5.09	0.18
13	SODIUM	ISE - Direct	Transasia / Erba	256	132.76	3.00	3.98	131.9 mmol/L	-0.22	0.50
14	POTASSIUM	ISE - Direct	Transasia / Erba	241	4.72	4.00	0.19	4.46 mmol/L	-1.38	0.02
15	CHLORIDE	ISE - Direct	Transasia / Erba	203	101.58	3.78	3.84	95.7 mmol/L	-1.53	0.54
16	AST	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	989	91.74	9.48	8.70	92.1 U/L	0.04	0.55
17	ALT	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	988	52.67	12.91	6.80	52.1 U/L	-0.08	0.43
18	ALP	PNP AMP kinetic	Transasia / Erba	913	152.72	15.23	23.25	146 U/L	-0.29	1.54
19	AMYLASE	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	173	107.94	9.95	10.74	107 U/L	-0.09	1.63
20	IRON	Dry Chemistry I	Ortho Clinical Diagnostics / Fuji - Dry Chemistry Series	96	51.34	16.03	8.23	68 ug/dL	2.02	1.68
21	MAGNESIUM	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	117	2.15	5.92	0.13	2.3 mg/dL	1.18	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 *****