



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - AUGUST 2023



PC-1024

Lab Name **ESICMCH** Lab No **15151**
Constituent Group **Chemistry I** Date of Result Entered : **17/08/2023**
PT item **Lyophilized human serum based** Date of Report Published : **01/09/2023**

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	301	58.58	5.16	3.02	55 mg/dL	-1.18	0.35
2	UREA	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	312	18.00	6.90	1.24	16.2 mg/dL	-1.45	0.14
3	CREATININE	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	318	0.71	2.81	0.02	0.7 mg/dL	-0.50	0.00
4	T.BILIRUBIN	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	299	0.77	14.62	0.11	0.6 mg/dL	-1.52	0.01
5	T-PROTEIN	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	315	5.51	3.19	0.18	5 g/dL	-2.90	0.02
6	ALBUMIN	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	315	3.17	4.99	0.16	2.9 g/dL	-1.71	0.02
7	CALCIUM	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	300	9.10	3.42	0.31	8.3 mg/dL	-2.57	0.04
8	PHOSPHORUS	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	242	3.12	5.45	0.17	3.2 mg/dL	0.47	0.02
9	URIC ACID	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	308	3.54	3.96	0.14	3.1 mg/dL	-3.14	0.02
10	CHOLESTEROL	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	289	120.09	5.32	6.39	111 mg/dL	-1.42	0.75
11	TRIGLYCERIDE	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	293	135.77	5.62	7.62	135 mg/dL	-0.10	0.89
12	HDL	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	281	24.37	6.23	1.52	24 mg/dL	-0.24	0.18
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1322	128.60	3.32	4.28	117 mmol/L	-2.71	0.24
14	POTASSIUM	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	245	2.53	2.96	0.08	2.3 mmol/L	-3.07	0.01
15	CHLORIDE	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	204	96.70	2.52	2.44	88 mmol/L	-3.57	0.34
16	AST	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	321	45.74	7.06	3.23	42 U/L	-1.16	0.36
17	ALT	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	314	30.27	9.82	2.97	27 U/L	-1.10	0.34
18	ALP	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	318	91.13	9.52	8.68	85 U/L	-0.71	0.97
19	AMYLASE	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	177	50.36	12.11	6.10	47 U/L	-0.55	0.92
20	IRON	Dry Chemistry I	Ortho Clinical Diagnostics / Fuji - Dry Chemistry Series	95	82.25	13.15	10.82	65 ug/dL	-1.59	2.22

21	MAGNESIUM	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	120	1.60	8.51	0.14	1.5 mg/dL	-0.74	0.02
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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 *****