



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY
CMC EXTERNAL QUALITY ASSURANCE SCHEME
MONTHLY SUMMARY REPORT - DECEMBER 2022



Lab Name **LIFETECH DIAGNOSTICS**

Lab No **15699**

Constituent Group **Chemistry I**

Date of Result Entered : **17/12/2022**

PT item **Lyophilized Serum**

Date of Report Published : **05/01/2023**

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	300	168.72	4.23	7.14	170 mg/dL	0.18	0.83
2	UREA	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	300	100.77	3.85	3.88	102 mg/dL	0.32	0.45
3	CREATININE	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	302	3.03	3.83	0.12	3 mg/dL	-0.26	0.01
4	T.BILIRUBIN	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	294	2.76	8.73	0.24	2.6 mg/dL	-0.66	0.03
5	T-PROTEIN	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	302	4.80	4.00	0.19	5 g/dL	1.04	0.02
6	ALBUMIN	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	301	2.89	5.23	0.15	3 g/dL	0.73	0.02
7	CALCIUM	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	294	9.39	4.14	0.39	9.7 mg/dL	0.80	0.05
8	PHOSPHORUS	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	238	4.18	5.93	0.25	4.8 mg/dL	2.50	0.03
9	URIC ACID	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	291	6.31	2.73	0.17	6.4 mg/dL	0.52	0.02
10	CHOLESTEROL	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	277	97.27	5.55	5.40	93 mg/dL	-0.79	0.65
11	TRIGLYCERIDE	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	279	201.94	3.33	6.73	202 mg/dL	0.01	0.81
12	HDL	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	274	20.50	6.92	1.42	20 mg/dL	-0.35	0.17
13	SODIUM	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	231	132.89	2.25	2.98	137 mmol/L	1.38	0.39
14	POTASSIUM	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	231	3.20	2.97	0.10	3.2 mmol/L	0.00	0.01
15	CHLORIDE	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	182	93.54	2.31	2.16	93 mmol/L	-0.25	0.32
16	AST	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	299	75.41	5.79	4.36	76 U/L	0.14	0.50
17	ALT	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	298	96.09	8.23	7.91	108 U/L	1.51	0.92
18	ALP	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	311	60.38	8.66	5.23	51 U/L	-1.79	0.59
19	AMYLASE	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	125	42.83	11.04	4.73	44 U/L	0.25	0.85
20	IRON	Dry Chemistry I	Ortho Clinical Diagnostics / Fuji - Dry Chemistry Series	89	110.34	11.30	12.46	119 ug/dL	0.69	2.64
21	MAGNESIUM	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	108	1.70	7.82	0.13	1.4 mg/dL	-2.26	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 *****