



# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY  
CMC EXTERNAL QUALITY ASSURANCE SCHEME  
MONTHLY SUMMARY REPORT - JANUARY 2024



PC-1024

Lab Name **MICRO HEALTH LABORATORIES PRIVATE LIMITED** Lab No **19585**  
Constituent Group **Chemistry I** Date of Result Entered : **15/01/2024**  
PT item **Lyophilized human serum based** Date of Report Published : **06/02/2024**

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE	Hexokinase	Beckman AU480/680/5800/DXC700AU	142	123.19	4.67	5.76	133 mg/dL	1.70	0.97
2	UREA	Urease UV / GLDH	Beckman AU480/680/5800/DXC700AU	161	36.78	4.27	1.57	37 mg/dL	0.14	0.25
3	CREATININE	Enzymatic Colorimetric	Beckman AU480/680/5800/DXC700AU	36	1.54	7.66	0.12	1.6 mg/dL	0.51	0.04
4	T.BILIRUBIN	Others ( DPD, Vanadate Oxidation )	Any Analyser (Automation / Semi Automation )	225	2.21	14.32	0.32	2.5 mg/dL	0.91	0.04
5	D.BILIRUBIN	Others ( DPD, Vanadate Oxidation )	Any Analyser (Automation / Semi Automation )	70	0.87	16.47	0.14	0.8 mg/dL	-0.49	0.03
6	T-PROTEIN	Biuret - Colorimetric	Beckman AU480/680/5800/DXC700AU	164	4.79	3.53	0.17	4.6 g/dL	-1.12	0.03
7	ALBUMIN	BCG - colorimetric	Beckman AU480/680/5800/DXC700AU	163	3.08	4.22	0.13	3.1 g/dL	0.15	0.02
8	CALCIUM	Arsenazo III	Beckman AU480/680/5800/DXC700AU	159	8.82	3.71	0.33	8.9 mg/dL	0.24	0.05
9	URIC ACID	Enzymatic / Uricase Colorimetric	Beckman AU480/680/5800/DXC700AU	161	4.60	3.72	0.17	4.7 mg/dL	0.58	0.03
10	CHOLESTEROL	CHOD-PAP	Beckman AU480/680/5800/DXC700AU	162	107.68	4.72	5.08	117 mg/dL	1.83	0.80
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Beckman AU480/680/5800/DXC700AU	160	143.47	5.15	7.39	144 mg/dL	0.07	1.17
12	HDL	Direct method / Enzymatic colorimetric	Beckman AU480/680/5800/DXC700AU	147	24.51	8.05	1.97	21 mg/dL	-1.78	0.33
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation )	1155	130.94	3.25	4.26	133 mmol/L	0.48	0.25
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation )	1188	3.20	5.97	0.19	3.4 mmol/L	1.05	0.01
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation )	969	95.29	4.58	4.37	97 mmol/L	0.39	0.28
16	AST	UV kinetic(with & without PLP (P-5-P))	Beckman AU480/680/5800/DXC700AU	157	113.27	5.84	6.62	129 U/L	2.38	1.06
17	ALT	UV kinetic(with & without PLP (P-5-P))	Beckman AU480/680/5800/DXC700AU	156	43.63	9.47	4.13	47 U/L	0.82	0.66
18	ALP	PNP AMP kinetic	Beckman AU480/680/5800/DXC700AU	154	202.30	8.99	18.19	209 U/L	0.37	2.93

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 \*\*\*\*\***