



# CHRISTIAN MEDICAL COLLEGE

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



PC-1024

Lab Name **MICRO HEALTH LABORATORIES**Lab No **19718**Constituent Group **Chemistry I**Date of Result Entered : **18/03/2024**PT item **Lyophilized human serum based**Date of Report Published : **06/04/2024**

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	AV	Participants		Your Value	Z Score	u*
						CV	SDPA			
1	GLUCOSE	Hexokinase	Beckman AU480/680/5800/DXC700AU	149	166.04	3.77	6.26	182 mg/dL	2.55	1.03
2	UREA	Urease UV / GLDH	Beckman AU480/680/5800/DXC700AU	183	25.47	5.16	1.32	24 mg/dL	-1.12	0.19
3	CREATININE	Enzymatic Colorimetric	Beckman AU480/680/5800/DXC700AU	39	0.81	9.98	0.08	0.78 mg/dL	-0.37	0.03
4	T.BILIRUBIN	Others ( DPD, Vanadate Oxidation )	Any Analyser (Automation / Semi Automation )	231	0.85	17.95	0.15	1.04 mg/dL	1.25	0.02
5	T-PROTEIN	Biuret - Colorimetric	Beckman AU480/680/5800/DXC700AU	173	5.31	3.83	0.20	5.2 g/dL	-0.54	0.03
6	ALBUMIN	BCG - colorimetric	Beckman AU480/680/5800/DXC700AU	177	3.36	3.42	0.12	3.3 g/dL	-0.52	0.02
7	CALCIUM	Arsenazo III	Beckman AU480/680/5800/DXC700AU	170	9.63	3.81	0.37	9.2 mg/dL	-1.17	0.06
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Beckman AU480/680/5800/DXC700AU	133	6.62	4.17	0.28	6.6 mg/dL	-0.07	0.05
9	URIC ACID	Enzymatic / Uricase Colorimetric	Beckman AU480/680/5800/DXC700AU	170	2.98	4.89	0.15	3 mg/dL	0.14	0.02
10	CHOLESTEROL	CHOD-PAP	Beckman AU480/680/5800/DXC700AU	175	114.75	5.45	6.26	120 mg/dL	0.84	0.95
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Beckman AU480/680/5800/DXC700AU	169	89.82	6.63	5.95	98 mg/dL	1.37	0.92
12	HDL	Direct method / Enzymatic colorimetric	Beckman AU480/680/5800/DXC700AU	157	25.98	6.64	1.72	26 mg/dL	0.01	0.28
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation )	1339	137.32	2.73	3.75	139.7 mmol/L	0.63	0.20
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation )	1366	3.58	4.83	0.17	3.68 mmol/L	0.58	0.01
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation )	1112	103.75	3.60	3.74	107.7 mmol/L	1.06	0.22
16	AST	UV kinetic(with & without PLP (P-5-P))	Beckman AU480/680/5800/DXC700AU	171	61.52	5.61	3.45	64 U/L	0.72	0.53
17	ALT	UV kinetic(with & without PLP (P-5-P))	Beckman AU480/680/5800/DXC700AU	154	90.92	7.10	6.45	94 U/L	0.48	1.04
18	ALP	PNP AMP kinetic	Beckman AU480/680/5800/DXC700AU	168	127.86	8.79	11.24	126 U/L	-0.17	1.73
19	AMYLASE	CNPG3	Any Analyser (Automation / Semi Automation )	487	72.81	16.59	12.08	73 U/L	0.02	1.09
20	IRON	Ferrene ( No Protein Removal )	Any Analyser (Automation / Semi Automation )	161	153.95	12.98	19.98	64.7 ug/dL	-4.47	3.15

u\* - Method of Uncertainty

Z-Score	Interpretation
$ z  \leq 2.0$	Acceptable
$2.0 <  z  < 3.0$	Warning Signal
$ z  \geq 3.0$	Unacceptable (action Signal)

LAB ADDRESS :

**MICRO HEALTH LABORATORIES**



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1	D.BILIRUBIN	Others ( DPD, Vanadate Oxidation )	Any Analyser (Automation / Semi Automation )	88	0.34	14.88	0.05	0.3 mg/dL	-0.80	0.01
2	LDL	Direct method / Enzymatic colorimetric	Beckman AU480/680/5800/DXC700AU	41	71.23	7.03	5.00	75 mg/dL	0.75	1.56

u\* - Method of Uncertainty

Z-Score	Interpretation
$ z  \leq 2.0$	Acceptable
$2.0 <  z  < 3.0$	Warning Signal
$ z  \geq 3.0$	Unacceptable (action Signal)

**LAB ADDRESS :**

**MICRO HEALTH LABORATORIES**  
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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 \*\*\*\*\*