



# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - FEBRUARY 2024



PC-1024

Lab Name **MICRO HEALTH** Lab No **7864**  
 Constituent Group **Chemistry I** Date of Result Entered : **20/02/2024**  
 PT item **Lyophilized human serum based** Date of Report Published : **05/03/2024**

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	AV	Participants		Your Value	Z Score	u*
						CV	SDPA			
1	GLUCOSE	GOD-POD	Transasia / Erba	1015	262.66	6.28	16.48	253.3 mg/dL	-0.57	1.03
2	UREA	Urease UV / GLDH	Transasia / Erba	983	64.40	7.76	5.00	70 mg/dL	1.12	0.32
3	CREATININE	Enzymatic Colorimetric	Transasia / Erba	525	5.75	5.85	0.34	5.69 mg/dL	-0.18	0.03
4	T.BILIRUBIN	Diazonium salt ( Colorimetric ) / Jendrassik	Transasia / Erba	997	3.00	10.46	0.31	2.43 mg/dL	-1.82	0.02
5	T-PROTEIN	Biuret - Colorimetric	Transasia / Erba	1026	5.50	7.67	0.42	5.33 g/dL	-0.40	0.03
6	ALBUMIN	BCG - colorimetric	Transasia / Erba	1018	3.33	5.77	0.19	3.32 g/dL	-0.05	0.01
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation )	990	10.20	6.91	0.70	10.03 mg/dL	-0.24	0.04
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation )	400	3.80	12.99	0.49	4.97 mg/dL	2.37	0.05
9	URIC ACID	Enzymatic / Uricase Colorimetric	Transasia / Erba	1002	7.77	8.34	0.65	7.2 mg/dL	-0.88	0.04
10	CHOLESTEROL	CHOD-PAP	Transasia / Erba	981	109.31	7.99	8.74	116 mg/dL	0.77	0.56
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Transasia / Erba	982	177.60	7.72	13.72	175.4 mg/dL	-0.16	0.88
12	HDL	Direct method / Enzymatic colorimetric	Transasia / Erba	763	27.44	9.31	2.56	25.6 mg/dL	-0.72	0.19
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation )	1320	127.25	3.44	4.38	127.8 mmol/L	0.13	0.24
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation )	1314	4.73	5.28	0.25	4.73 mmol/L	0.00	0.01
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation )	1025	97.11	3.90	3.79	97 mmol/L	-0.03	0.24
16	BICARBONATE	Enzymatic - PEPC ( Phosphoenolpyruvate )	Any Analyser (Automation / Semi Automation )	187	18.51	18.15	3.36	20.56 mmol/L	0.61	0.49
17	AST	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	983	69.99	10.26	7.18	73.4 U/L	0.47	0.46
18	ALT	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	980	90.20	13.30	11.99	85.8 U/L	-0.37	0.77
19	ALP	PNP AMP kinetic	Transasia / Erba	958	82.99	14.79	12.28	83 U/L	0.00	0.79
20	AMYLASE	CNPG3	Any Analyser (Automation / Semi Automation )	510	66.74	18.69	12.47	102.2 U/L	2.84	1.10
21	MAGNESIUM	Xylidyl Blue	Any Analyser (Automation / Semi Automation )	201	2.76	17.42	0.48	1.98 mg/dL	-1.62	0.07

u\* - Method of Uncertainty



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1	D.BILIRUBIN	Diazonium salt ( Colorimetric ) / Jendrassik	Transasia / Erba	288	0.59	24.02	0.14	0.4 mg/dL	-1.36	0.02
2	LDL	Direct method / Enzymatic colorimetric	Transasia / Erba	110	62.36	15.69	9.79	55.3 mg/dL	-0.72	1.87

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**  
**MP TOWER, NEAR TALUK HOSPITAL, OPP. CANARA BANK, THAMARASSERY**  
**CALICUT**  
**KERALA673573**

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 Contact Number: 0416-2283102

*Pamela Christudoss*  
 Dr. Pamela Christudoss  
 CMC EQAS Coordinator  
 Christian Medical College, Vellore

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 \*\*\*\*\*

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**LAB ADDRESS :****MICRO HEALTH****MP TOWER, NEAR TALUK HOSPITAL, OPP. CANARA BANK, THAMARASSERY****CALICUT****KERALA673573****Coordinator Contact Details:**Email: [clinqc@cmcvellore.ac.in](mailto:clinqc@cmcvellore.ac.in)

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*Pamela Christudoss***Dr. Pamela Christudoss****CMC EQAS Coordinator****Christian Medical College, Vellore****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 \*\*\*\*\***