



# CHRISTIAN MEDICAL COLLEGE

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



PC-1024

Lab Name **CHIKITSA PATHOLOGY LABORATORY** Lab No **3878**  
 Constituent Group **Chemistry I** Date of Result Entered : **17/03/2022**  
 PT item **Lyophilized Serum** Date of Report Published : **06/04/2022**

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE	GOD-POD	Randox rX Series	51	114.66	5.70	6.53	98.6 mg/dL	-2.46	1.83
2	UREA	Urease UV / GLDH	Randox rX Series	51	83.55	7.09	5.93	79.6 mg/dL	-0.67	1.66
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Randox rX Series	36	3.83	10.52	0.40	3.5 mg/dL	-0.82	0.13
4	T.BILIRUBIN	Others ( DPD, Vanadate Oxidation )	Any Analyser (Automation / Semi Automation )	187	1.55	16.54	0.26	1.3 mg/dL	-0.97	0.04
5	T-PROTEIN	Biuret - Colorimetric	Randox rX Series	52	4.81	6.36	0.31	4.7 g/dL	-0.36	0.08
6	ALBUMIN	BCG - colorimetric	Randox rX Series	48	3.03	5.85	0.18	2.9 g/dL	-0.73	0.05
7	CALCIUM	Arsenazo III	Randox rX Series	40	8.84	7.70	0.68	8.9 mg/dL	0.09	0.22
8	PHOSPHORUS	Dry Chemistry	Fuji Dry Chemistry series	54	3.72	7.50	0.28	3.8 mg/dL	0.29	0.08
9	URIC ACID	Enzymatic / Uricase Colorimetric	Randox rX Series	51	7.86	5.19	0.41	7.8 mg/dL	-0.15	0.11
10	CHOLESTEROL	CHOD-PAP	Randox rX Series	54	110.14	7.59	8.36	112.2 mg/dL	0.25	2.27
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Randox rX Series	52	211.56	4.52	9.56	202.9 mg/dL	-0.91	2.65
12	HDL CHO	Direct method / Enzymatic colorimetric	Randox rX Series	40	22.83	11.07	2.53	21 mg/dL	-0.72	0.80
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation )	920	124.76	4.58	5.71	129.3 mmol/L	0.79	0.38
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation )	882	2.97	6.60	0.20	3.16 mmol/L	0.97	0.01
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation )	702	91.37	5.08	4.64	95.6 mmol/L	0.91	0.35
16	BICARBONATE	Dry Chemistry	Fuji Dry Chemistry series	23	16.75	13.12	2.20	17.3 mmol/L	0.25	0.92
17	AST	UV kinetic(with & without PLP (P-5-P))	Randox rX Series	38	254.98	7.89	20.13	250.7 U/L	-0.21	6.53
18	ALT	UV kinetic(with & without PLP (P-5-P))	Randox rX Series	39	166.09	11.81	19.62	141.9 U/L	-1.23	6.28
19	ALP	Dry Chemistry	Fuji Dry Chemistry series	49	249.17	11.20	27.90	233 U/L	-0.58	7.97
20	AMYLASE	Dry Chemistry	Fuji Dry Chemistry series	51	102.30	7.63	7.80	111 U/L	1.12	2.19
21	IRON	Ferrene ( No Protein Removal )	Any Analyser (Automation / Semi Automation )	86	180.07	9.30	16.75	208.6 ug/dL	1.70	3.61
22	MAGNESIUM	Dry Chemistry	Fuji Dry Chemistry series	36	2.60	6.78	0.18	2.8 mg/dL	1.14	0.06

SDI Range	Interpretation
Within -1.00 to +1.00	Excellent.

Within $\pm 1.01$ to $\pm 2.00$	Good.
Within $\pm 2.01$ to $\pm 2.99$	Accept with caution. Warning Signal.
Beyond $\pm 3.0$	Unacceptable performance. Action Signal.

## LAB ADDRESS :

CHIKITSA PATHOLOGY LABORATORY

1, KASHIPAREKH APPT., T-18, SHANTINAGAR SOCIETY, B/H PANCHSHIL BUS STOP, USMANPURA

AHMEDABAD

GUJARAT 380013

Coordinator Contact Details:  
Email: [clinqc@cmcvellore.ac.in](mailto:clinqc@cmcvellore.ac.in)  
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 \*\*\*\*\*