



# CHRISTIAN MEDICAL COLLEGE

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



PC-1024

Lab Name PATHOLOGY DEPARTMENT, DR S D TECKCHANDANI

Lab No 8462

Constituent Group Chemistry I

Date of Result Entered : 15/04/2024

PT item Lyophilized human serum based

Date of Report Published : 08/05/2024

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	AV	Participants		Your Value	Z Score	u*
						CV	SDPA			
1	GLUCOSE	GOD-POD	Randox rX Series	39	127.91	4.42	5.65	133 mg/dL	0.90	1.81
2	UREA	Urease UV / GLDH	Randox rX Series	44	35.31	7.93	2.80	36 mg/dL	0.25	0.84
3	CREATININE	Enzymatic Colorimetric	Any Analyser (Automation / Semi Automation)	223	1.70	9.63	0.16	1.65 mg/dL	-0.30	0.02
4	T.BILIRUBIN	Diazonium salt ( Colorimetric ) / Jendrassik	Randox rX Series	32	2.40	6.76	0.16	2.1 mg/dL	-1.85	0.06
5	T-PROTEIN	Biuret - Colorimetric	Randox rX Series	44	4.96	5.34	0.26	4.9 g/dL	-0.23	0.08
6	ALBUMIN	BCG - colorimetric	Randox rX Series	43	3.16	3.64	0.12	3.2 g/dL	0.35	0.04
7	CALCIUM	Arsenazo III	Randox rX Series	37	8.99	4.23	0.38	8.8 mg/dL	-0.50	0.12
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Randox rX Series	28	5.82	6.96	0.40	6 mg/dL	0.44	0.15
9	URIC ACID	Enzymatic / Uricase Colorimetric	Randox rX Series	42	4.65	4.73	0.22	5 mg/dL	1.59	0.07
10	CHOLESTEROL	CHOD-PAP	Randox rX Series	44	115.96	5.05	5.86	108 mg/dL	-1.36	1.77
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Randox rX Series	44	153.93	5.83	8.98	148 mg/dL	-0.66	2.71
12	HDL	Direct method / Enzymatic colorimetric	Randox rX Series	37	24.77	9.37	2.32	28 mg/dL	1.39	0.76
13	SODIUM	ISE - Direct	Transasia / Erba	249	130.93	3.40	4.46	134 mmol/L	0.69	0.56
14	POTASSIUM	ISE - Direct	Transasia / Erba	250	3.18	5.60	0.18	3.2 mmol/L	0.11	0.02
15	CHLORIDE	ISE - Direct	Transasia / Erba	199	93.05	4.60	4.28	92 mmol/L	-0.25	0.61
16	BICARBONATE	Dry Chemistry	Fuji Dry Chemistry series	26	19.87	12.76	2.54	22 mmol/L	0.84	0.99
17	AST	UV kinetic(with & without PLP (P-5-P))	Randox rX Series	36	114.68	9.49	10.88	111 U/L	-0.34	3.63
18	ALT	UV kinetic(with & without PLP (P-5-P))	Randox rX Series	31	42.49	12.28	5.22	47 U/L	0.86	1.87
19	ALP	PNP AMP kinetic	Randox rX Series	39	183.47	10.84	19.88	196 U/L	0.63	6.37

20	AMYLASE	Enzymatic Colorimetric / G7PNP Blocked	Any Analyser (Automation / Semi Automation )	152	59.99	10.47	6.28	70 U/L	1.59	1.02
21	MAGNESIUM	Dry Chemistry	Fuji Dry Chemistry series	46	2.08	5.66	0.12	2 mg/dL	-0.68	0.03

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 :

PATHOLOGY DEPARTMENT, DR S D TECKCHANDANI  
 DR.S.D.TECKCHANDANI, VINAMRA SWARAJ HOSPITAL , PLOT 108,109, SECTOR 11 , OPP.SHIVSENA OFFICE ,  
 VASHI  
 MAHARASHTRA 400703

Coordinator Contact Details:  
 Email: [clinqc@cmcvellore.ac.in](mailto:clinqc@cmcvellore.ac.in)  
 Contact Number: 0416-2283102



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 \*\*\*\*\*





Department of Clinical Biochemistry  
Christian Medical College, Vellore

## CMC EXTERNAL QUALITY ASSURANCE SCHEME

(Under the aegis of ACBI)



PC-1024

### Certificate of Participation

*This is to certify that*  
PATHOLOGY DEPARTMENT

.....  
VINAMRA SWARAJ HOSPITAL, VASHI.  
.....

8462

*Lab No. .... has participated*

*in the Chemistry I Program of the External Quality Assurance Scheme  
during the year 2023.*

*Pamela Christudoss*

**Dr. Pamela Christudoss, M.Sc., Ph.D.,**

EQAS Coordinator

Professor of Clinical Biochemistry