



# CHRISTIAN MEDICAL COLLEGE

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



PC-1024

Lab Name **SRI SAMRAJ LABS**Lab No **16146**Constituent Group **Chemistry I**Date of Result Entered : **20/06/2022**PT item **Lyophilized Serum**Date of Report Published : **07/07/2022**

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE	GOD-POD	Any Analyser (Automation / Semi Automation)	716	141.52	7.11	10.06	151 mg/dL	0.94	0.75
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	631	85.87	8.79	7.55	93 mg/dL	0.94	0.60
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Any Analyser (Automation / Semi Automation)	504	7.75	11.21	0.87	7.96 mg/dL	0.24	0.08
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Any Analyser (Automation / Semi Automation)	636	5.70	12.66	0.72	6.1 mg/dL	0.55	0.06
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	765	4.71	11.72	0.55	4.04 g/dL	-1.21	0.04
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	730	2.84	9.49	0.27	2.8 g/dL	-0.15	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	569	8.24	10.84	0.89	8.3 mg/dL	0.07	0.07
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation)	370	3.25	16.00	0.52	3.89 mg/dL	1.23	0.05
9	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	703	9.70	9.92	0.96	9.9 mg/dL	0.21	0.07
10	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	724	92.88	11.19	10.39	86 mg/dL	-0.66	0.77
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation)	677	146.19	9.44	13.80	155 mg/dL	0.64	1.06
12	HDL CHO	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation)	486	22.93	17.68	4.05	18.73 mg/dL	-1.04	0.37
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	961	113.20	5.02	5.68	125.1 mmol/L	2.10	0.37
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	972	2.04	11.50	0.24	1.74 mmol/L	-1.28	0.02
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	796	82.39	7.07	5.82	82.5 mmol/L	0.02	0.41
16	AST	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	634	49.10	12.58	6.18	47 U/L	-0.34	0.49
17	ALT	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	561	91.62	17.58	16.11	102 U/L	0.64	1.36
18	ALP	PNP AMP kinetic	Any Analyser (Automation / Semi Automation)	441	344.26	14.94	51.42	381 U/L	0.71	4.90
19	AMYLASE	CNPG3	Any Analyser	456	36.72	17.85	6.55	34.8 U/L	-0.29	0.61

			(Automation / Semi Automation )							
20	IRON	Ferro Zine ( No Protein Removal )	Any Analyser (Automation / Semi Automation )	87	175.85	13.81	24.28	159.7 ug/dL	-0.66	5.21
21	MAGNESIUM	Others ( Any other principles / Methods)	Any Analyser (Automation / Semi Automation )	120	2.98	17.65	0.53	2.68 mg/dL	-0.57	0.10

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 :

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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 \*\*\*\*\*

# First Line

## Second Line

QC(Name-Lot)	Test	Target Value	SD Value	QC Range	Result	Test Date	State
RANDOX	GLUC	279	21	238 ~ 320	307	06-07-2022	
RANDOX	CREAT	4.80	0.48	3.84 ~ 5.76	4.05	06-07-2022	
RANDOX	CHO SR	284	19	247 ~ 321	314	06-07-2022	
RANDOX	TGL SR	252	20	212 ~ 292	251	06-07-2022	
RANDOX	HDL-D	94.65	7.18	80.30 ~ 109.00	87.15	06-07-2022	
RANDOX	SGOT	155	16	124 ~ 186	142	06-07-2022	
RANDOX	SGPT	151	15	121 ~ 181	130	06-07-2022	
RANDOX	TP	4.45	0.44	3.56 ~ 5.34	4.12	06-07-2022	
RANDOX	ALB	2.82	0.21	2.40 ~ 3.24	3.16	06-07-2022	
RANDOX	CAL A3	12.2	0.6	11.0 ~ 13.4	12.2	06-07-2022	
RANDOX	TBIL	5.85	0.61	4.62 ~ 7.08	6.30	06-07-2022	
RANDOX	ALP	325	25	276 ~ 374	282	06-07-2022	

QC test : 93

Date time: 2022-07-01 12:14:07

QC Level : QC Level 1

Lot Number :

Operator ID:

TRef : 28.0

## ELECTROLYTES

Na = 124.6 mmol/L

K = 1.77 mmol/L

iCa = 2.21 mmol/L

pH = 7.182

HCO3 = 34.46 mmol/L

Cl = 88.9 mmol/L

Li = NA mmol/L