



# 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 **16147**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	150 mg/dL	0.84	0.75
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	631	85.87	8.79	7.55	91 mg/dL	0.68	0.60
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Any Analyser (Automation / Semi Automation)	504	7.75	11.21	0.87	8.17 mg/dL	0.48	0.08
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Any Analyser (Automation / Semi Automation)	636	5.70	12.66	0.72	6.17 mg/dL	0.65	0.06
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	765	4.71	11.72	0.55	4.57 g/dL	-0.25	0.04
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	730	2.84	9.49	0.27	2.97 g/dL	0.48	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	569	8.24	10.84	0.89	8.4 mg/dL	0.18	0.07
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation)	370	3.25	16.00	0.52	4.2 mg/dL	1.83	0.05
9	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	703	9.70	9.92	0.96	10.1 mg/dL	0.42	0.07
10	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	724	92.88	11.19	10.39	100 mg/dL	0.69	0.77
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation)	677	146.19	9.44	13.80	147 mg/dL	0.06	1.06
12	HDL CHO	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation)	486	22.93	17.68	4.05	17 mg/dL	-1.46	0.37
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	961	113.20	5.02	5.68	114.6 mmol/L	0.25	0.37
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	972	2.04	11.50	0.24	2.03 mmol/L	-0.04	0.02
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	796	82.39	7.07	5.82	81.7 mmol/L	-0.12	0.41
16	AST	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	634	49.10	12.58	6.18	57 U/L	1.28	0.49
17	ALT	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	561	91.62	17.58	16.11	94 U/L	0.15	1.36
18	ALP	PNP AMP kinetic	Any Analyser (Automation / Semi Automation)	441	344.26	14.94	51.42	393 U/L	0.95	4.90
19	AMYLASE	CNPG3	Any Analyser	456	36.72	17.85	6.55	31.6 U/L	-0.78	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 ug/dL	-0.69	5.21
21	MAGNESIUM	Others ( Any other principles / Methods)	Any Analyser (Automation / Semi Automation )	120	2.98	17.65	0.53	2.67 mg/dL	-0.59	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 :

SRI SAMRAJ LABS  
 SHOP 1 & 3, S.K.COMPLEX, NO.10, IMPERIAL ROAD  
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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--1224UE	GLUC	283	22	240 ~ 326	291	15-06-2022	
RANDOX--1224UE	UREA	122	10	103 ~ 141	123	15-06-2022	
RANDOX--1224UE	CHO SR	286	19	248 ~ 324	282	15-06-2022	
RANDOX--1224UE	TGL SR	258	20	218 ~ 298	243	15-06-2022	
RANDOX--1224UE	SGOT	142	15	113 ~ 171	148	15-06-2022	
RANDOX--1224UE	SGPT	142	15	113 ~ 171	139	15-06-2022	
RANDOX--1224UE	GGT	169.0	13.0	143.0 ~ 195.0	173.9	15-06-2022	
RANDOX--1224UE	TP	4.46	0.44	3.57 ~ 5.35	4.75	15-06-2022	
RANDOX--1224UE	ALB	2.96	0.22	2.52 ~ 3.40	3.18	15-06-2022	
RANDOX--1224UE	TBIL	5.80	0.60	4.59 ~ 7.01	6.19	15-06-2022	
RANDOX--1224UE	DBIL	2.32	0.25	1.83 ~ 2.81	2.25	15-06-2022	
RANDOX--1224UE	UA	9.2	0.6	8.0 ~ 10.4	9.3	15-06-2022	
RANDOX--1224UE	ALP	340	26	289 ~ 391	306	15-06-2022	
RANDOX--1224UE	CAL A3	12.5	0.7	11.2 ~ 13.8	13.5	15-06-2022	
RANDOX--1224UE	CREA	5.04	0.50	4.03 ~ 6.05	5.37	15-06-2022	
RANDOX--1224UE	PHOS	7.1	0.5	6.1 ~ 8.2	7.5	15-06-2022	
RANDOX--1224UE	HDL-D	93	7	79 ~ 107	80	15-06-2022	

PRINTER : ON

Jul-09-22 16:04:08

QC test : 108

Date time: 2022-06-15 13:05:09

QC Level : QC Level 3

Lot Number :

Operator ID: saranya

TRef : 27.3

ELECTROLYTES

Na = 171.9 mmol/L

K = 6.00 mmol/L

iCa = 0.77 mmol/L

pH = 7.937

HCO<sub>3</sub> = 12.50 mmol/L

Cl = 126.8 mmol/L

Li = NA mmol/L

CALCULATED PARAMETERS

pCO<sub>2</sub> = 5.81 mmHg

TCO<sub>2</sub> = 12.68 mmol/L

BE = 0.00 mmol/L

Anion Gap

AG-Na = 32.66 mmol/L

AG-K = 38.66 mmol/L