



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

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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 *****