



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY
CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - MARCH 2022



PC-1024

Lab Name SHANMUGA DIAGNOSTICS

Lab No 6345

Constituent Group Chemistry I

Date of Result Entered : 15/03/2022

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	106 mg/dL	-1.33	1.83
2	UREA	Urease UV / GLDH	Randox rX Series	51	83.55	7.09	5.93	75 mg/dL	-1.44	1.66
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Randox rX Series	36	3.83	10.52	0.40	3.37 mg/dL	-1.14	0.13
4	T.BILIRUBIN	Others (DPD, Vanadate Oxidation)	Any Analyser (Automation / Semi Automation)	187	1.55	16.54	0.26	1.5 mg/dL	-0.19	0.04
5	T-PROTEIN	Biuret - Colorimetric	Randox rX Series	52	4.81	6.36	0.31	4.3 g/dL	-1.67	0.08
6	ALBUMIN	BCG - colorimetric	Randox rX Series	48	3.03	5.85	0.18	2.8 g/dL	-1.30	0.05
7	CALCIUM	Arsenazo III	Randox rX Series	40	8.84	7.70	0.68	8.4 mg/dL	-0.65	0.22
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Randox rX Series	29	3.71	12.92	0.48	3.1 mg/dL	-1.27	0.18
9	URIC ACID	Enzymatic / Uricase Colorimetric	Randox rX Series	51	7.86	5.19	0.41	7.4 mg/dL	-1.13	0.11
10	CHOLESTEROL	CHOD-PAP	Randox rX Series	54	110.14	7.59	8.36	94.9 mg/dL	-1.82	2.27
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Randox rX Series	52	211.56	4.52	9.56	173.5 mg/dL	-3.98	2.65
12	HDL CHO	Direct method / Enzymatic colorimetric	Randox rX Series	40	22.83	11.07	2.53	22 mg/dL	-0.33	0.80
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	920	124.76	4.58	5.71	118.7 mmol/L	-1.06	0.38
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	882	2.97	6.60	0.20	2.72 mmol/L	-1.28	0.01
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	702	91.37	5.08	4.64	91.9 mmol/L	0.11	0.35
16	BICARBONATE	Enzymatic - PEPC (Phosphoenolpyruvate)	Any Analyser (Automation / Semi Automation)	176	19.17	15.83	3.03	15.2 mmol/L	-1.31	0.46
17	AST	UV kinetic(with & without PLP (P-5-P))	Randox rX Series	38	254.98	7.89	20.13	235.8 U/L	-0.95	6.53
18	ALT	UV kinetic(with & without PLP (P-5-P))	Randox rX Series	39	166.09	11.81	19.62	164.3 U/L	-0.09	6.28
19	ALP	PNP AMP kinetic	Randox rX Series	44	193.69	10.95	21.22	184.4 U/L	-0.44	6.40
20	AMYLASE	Enzymatic Colorimetric / G7PNP Blocked	Mindray	30	85.35	14.20	12.12	93.2 U/L	0.65	4.43
21	MAGNESIUM	Xylidyl Blue	Any Analyser (Automation / Semi Automation)	171	2.41	15.21	0.37	1.91 mg/dL	-1.36	0.06

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.

LAB ADDRESS :