



# CHRISTIAN MEDICAL COLLEGE

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



PC-1024

Lab Name MDC X RAYS LABORATORY & ECG Lab No 15334  
Constituent Group Chemistry I Date of Result Entered : 10/03/2022  
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	Hexokinase	Roche C111, C311, Integra 400 plus, C501, C502, C702	284	108.68	4.05	4.40	106.9 mg/dL	-0.40	0.52
2	UREA	Urease UV / GLDH	Roche C111, C311, Integra 400 plus, C501, C502, C702	292	81.05	5.80	4.70	70.2 mg/dL	-2.31	0.55
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Roche C111, C311, Integra 400 plus, C501, C502, C702	248	4.28	5.00	0.21	4.23 mg/dL	-0.23	0.03
4	T.BILIRUBIN	Diazonium salt ( Colorimetric ) / Jendressik	Roche C111, C311, Integra 400 plus, C501, C502, C702	281	1.44	6.31	0.09	1.5 mg/dL	0.66	0.01
5	T-PROTEIN	Biuret - Colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	289	4.66	5.00	0.23	4.2 g/dL	-1.97	0.03
6	ALBUMIN	BCG - colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	280	3.07	4.20	0.13	3.03 g/dL	-0.31	0.02
7	CALCIUM	5-Nitro-5-methyl-BAPTA	Roche C111, C311, Integra 400 plus, C501, C502, C702	228	8.50	3.77	0.32	8.4 mg/dL	-0.31	0.04
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Roche C111, C311, Integra 400 plus, C501, C502, C702	220	3.49	4.52	0.16	3.3 mg/dL	-1.20	0.02
9	URIC ACID	Enzymatic / Uricase Colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	277	7.80	4.06	0.32	7.7 mg/dL	-0.32	0.04
10	CHOLESTEROL	CHOD-PAP	Roche C111, C311, Integra 400 plus, C501, C502, C702	296	103.22	4.23	4.37	97.8 mg/dL	-1.24	0.51
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Roche C111, C311, Integra 400 plus, C501, C502, C702	263	217.37	4.09	8.88	210.4 mg/dL	-0.78	1.10
12	HDL	Direct method / Enzymatic colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	263	21.70	5.05	1.10	20.6 mg/dL	-1.00	0.14
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	920	124.76	4.58	5.71	121.5 mmol/L	-0.57	0.38
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	882	2.97	6.60	0.20	2.85 mmol/L	-0.61	0.01

15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation )	702	91.37	5.08	4.64	87.4 mmol/L	-0.86	0.35
16	AST	UV kinetic(with & without PLP (P-5-P))	Roche C111, C311, Integra 400 plus, C501, C502, C702	248	232.63	5.10	11.86	220.4 U/L	-1.03	1.51
17	ALT	UV kinetic(with & without PLP (P-5-P))	Roche C111, C311, Integra 400 plus, C501, C502, C702	249	148.28	8.54	12.66	145.6 U/L	-0.21	1.60
18	ALP	PNP AMP kinetic	Roche C111, C311, Integra 400 plus, C501, C502, C702	275	182.68	7.94	14.50	177.8 U/L	-0.34	1.75

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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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 \*\*\*\*\*