



# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - SEPTEMBER 2022



PC-1024

Lab Name **MDC X RAYS LABORATORY & ECG** Lab No **15334**  
 Constituent Group **Chemistry I** Date of Result Entered : **12/09/2022**  
 PT item **Lyophilized Serum** Date of Report Published : **05/10/2022**

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	292	179.98	3.35	6.03	184.9 mg/dL	0.82	0.71
2	UREA	Urease UV / GLDH	Roche C111, C311, Integra 400 plus, C501, C502, C702	305	98.56	5.42	5.34	90.2 mg/dL	-1.56	0.61
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Roche C111, C311, Integra 400 plus, C501, C502, C702	262	3.25	5.17	0.17	3.26 mg/dL	0.06	0.02
4	T.BILIRUBIN	Diazonium salt ( Colorimetric ) / Jendrassik	Roche C111, C311, Integra 400 plus, C501, C502, C702	296	2.83	4.73	0.13	3 mg/dL	1.27	0.02
5	T-PROTEIN	Biuret - Colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	306	4.71	3.52	0.17	4.6 g/dL	-0.66	0.02
6	ALBUMIN	BCG - colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	295	3.09	4.47	0.14	3.12 g/dL	0.22	0.02
7	CALCIUM	5-Nitro-5-methyl-BAPTA	Roche C111, C311, Integra 400 plus, C501, C502, C702	238	10.46	3.06	0.32	10.6 mg/dL	0.44	0.04
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Roche C111, C311, Integra 400 plus, C501, C502, C702	238	3.87	3.72	0.14	3.8 mg/dL	-0.49	0.02
9	URIC ACID	Enzymatic / Uricase Colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	298	6.51	4.30	0.28	6.6 mg/dL	0.32	0.03
10	CHOLESTEROL	CHOD-PAP	Roche C111, C311, Integra 400 plus, C501, C502, C702	309	103.24	3.93	4.06	103.4 mg/dL	0.04	0.46
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Roche C111, C311, Integra 400 plus, C501, C502, C702	284	186.57	3.98	7.43	187.8 mg/dL	0.17	0.88
12	HDL	Direct method / Enzymatic colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	282	22.13	5.38	1.19	22.7 mg/dL	0.48	0.14
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation )	1087	134.94	3.37	4.54	130.9 mmol/L	-0.89	0.28
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation )	1058	3.14	5.67	0.18	3 mmol/L	-0.79	0.01
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation )	919	97.34	4.81	4.68	104 mmol/L	1.42	0.31
16	AST	UV kinetic(with & without PLP (P-5-P))	Roche C111, C311, Integra 400 plus, C501, C502, C702	278	61.69	5.97	3.68	61.2 U/L	-0.13	0.44
17	ALT	UV kinetic(with & without PLP (P-5-P))	Roche C111, C311, Integra 400 plus, C501, C502, C702	280	88.32	7.99	7.06	94 U/L	0.80	0.84
18	ALP	PNP AMP kinetic	Roche C111, C311, Integra 400 plus, C501, C502, C702	295	65.45	6.73	4.41	68.1 U/L	0.60	0.51

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 \*\*\*\*\***