



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - JULY 2022



Lab Name MDC X RAYS LABORATORY & ECG

Lab No

15334

Constituent Group Chemistry I

Date of Result Entered :

11/07/2022

PT item Lyophilized Serum

Date of Report Published :

05/08/2022

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	293	308.62	3.96	12.21	298.7 mg/dL	-0.81	1.43
2	UREA	Urease UV / GLDH	Roche C111, C311, Integra 400 plus, C501, C502, C702	300	129.16	5.58	7.20	109.2 mg/dL	-2.77	0.83
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Roche C111, C311, Integra 400 plus, C501, C502, C702	256	4.48	5.49	0.25	4.15 mg/dL	-1.34	0.03
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Roche C111, C311, Integra 400 plus, C501, C502, C702	292	0.95	7.14	0.07	0.9 mg/dL	-0.74	0.01
5	T-PROTEIN	Biuret - Colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	304	5.37	4.25	0.23	4.8 g/dL	-2.50	0.03
6	ALBUMIN	BCG - colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	292	3.50	4.69	0.16	3.35 g/dL	-0.91	0.02
7	CALCIUM	5-Nitro-5-methyl-BAPTA	Roche C111, C311, Integra 400 plus, C501, C502, C702	236	9.99	4.08	0.41	9.2 mg/dL	-1.94	0.05
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Roche C111, C311, Integra 400 plus, C501, C502, C702	235	6.85	4.33	0.30	6.3 mg/dL	-1.85	0.04
9	URIC ACID	Enzymatic / Uricase Colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	292	3.04	4.61	0.14	3 mg/dL	-0.29	0.02
10	CHOLESTEROL	CHOD-PAP	Roche C111, C311, Integra 400 plus, C501, C502, C702	308	118.77	4.35	5.17	106.6 mg/dL	-2.35	0.59
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Roche C111, C311, Integra 400 plus, C501, C502, C702	277	273.68	4.16	11.38	249.2 mg/dL	-2.15	1.37
12	HDL	Direct method / Enzymatic colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	273	23.20	4.87	1.13	21.9 mg/dL	-1.15	0.14
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1047	139.31	3.44	4.80	130.1 mmol/L	-1.92	0.30
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1099	5.06	6.41	0.32	4.59 mmol/L	-1.45	0.02
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	878	100.12	4.63	4.64	99.9 mmol/L	-0.05	0.31
16	AST	UV kinetic(with & without PLP (P-5-P))	Roche C111, C311, Integra 400 plus, C501, C502, C702	266	124.86	6.12	7.65	119.6 U/L	-0.69	0.94
17	ALT	UV kinetic(with & without PLP (P-5-P))	Roche C111, C311, Integra 400 plus, C501, C502, C702	266	55.82	9.22	5.15	54.5 U/L	-0.26	0.63
18	ALP	PNP AMP kinetic	Roche C111, C311, Integra 400 plus, C501, C502, C702	281	211.42	7.02	14.85	203.6 U/L	-0.53	1.77

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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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 *****

SL NO.	Assay	Corrective Action Taken	QC value Observed	Remarks	Sign
1.	Urea	Recalibrated	within range	QC Passed	
2.	Total Protein	Recalibrated	within range.	QC Passed	