



CHRISTIAN MEDICAL COLLEGE

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



PC-1024

Lab Name MDC X RAYS LABORATORY & ECG Lab No 15334
Constituent Group Chemistry I Date of Result Entered : 10/08/2022
PT item Lyophilized Serum Date of Report Published : 05/09/2022

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	294	186.45	3.68	6.86	182.9 mg/dL	-0.52	0.80
2	UREA	Urease UV / GLDH	Roche C111, C311, Integra 400 plus, C501, C502, C702	305	60.11	5.61	3.37	55.6 mg/dL	-1.34	0.39
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Roche C111, C311, Integra 400 plus, C501, C502, C702	262	2.64	5.94	0.16	2.34 mg/dL	-1.91	0.02
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Roche C111, C311, Integra 400 plus, C501, C502, C702	290	3.37	4.96	0.17	3.3 mg/dL	-0.42	0.02
5	T-PROTEIN	Biuret - Colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	307	5.44	3.51	0.19	4.9 g/dL	-2.83	0.02
6	ALBUMIN	BCG - colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	294	3.54	4.29	0.15	3.34 g/dL	-1.32	0.02
7	CALCIUM	5-Nitro-5-methyl-BAPTA	Roche C111, C311, Integra 400 plus, C501, C502, C702	238	11.59	3.31	0.38	10.8 mg/dL	-2.06	0.05
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Roche C111, C311, Integra 400 plus, C501, C502, C702	238	4.74	3.88	0.18	4.7 mg/dL	-0.22	0.02
9	URIC ACID	Enzymatic / Uricase Colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	291	4.71	3.63	0.17	4.5 mg/dL	-1.23	0.02
10	CHOLESTEROL	CHOD-PAP	Roche C111, C311, Integra 400 plus, C501, C502, C702	308	119.68	4.10	4.91	113.05 mg/dL	-1.35	0.56
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Roche C111, C311, Integra 400 plus, C501, C502, C702	280	116.29	5.12	5.95	110.5 mg/dL	-0.97	0.71
12	HDL	Direct method / Enzymatic colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	278	23.63	5.32	1.26	23.5 mg/dL	-0.10	0.15
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1027	139.51	3.22	4.49	131.3 mmol/L	-1.83	0.28
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1065	4.59	5.63	0.26	4.23 mmol/L	-1.40	0.02
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	869	102.65	4.14	4.25	103.7 mmol/L	0.25	0.29
16	AST	UV kinetic(with & without PLP (P-5-P))	Roche C111, C311, Integra 400 plus, C501, C502, C702	274	63.47	7.44	4.72	59.4 U/L	-0.86	0.57
17	ALT	UV kinetic(with & without PLP (P-5-P))	Roche C111, C311, Integra 400 plus, C501, C502, C702	271	46.27	10.61	4.91	43.6 U/L	-0.54	0.60
18	ALP	PNP AMP kinetic	Roche C111, C311, Integra 400 plus, C501, C502, C702	296	96.55	6.61	6.39	93.4 U/L	-0.49	0.74

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 :
MDC X RAYS LABORATORY & ECG
HEALTH CLUB BUILDING MANANTHAVADY
WAYANAD
KERALA670645

Coordinator Contact Details:
Email: clinqc@cmcvellore.ac.in
Contact Number: 0416-2283102

Pamela Christudoss
Dr. Pamela Christudoss
CMC EQAS Coordinator
Christian Medical College, Vellore

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.	Total Proteins	Realised	within range	Qc Passed	<i>JL</i>