



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY
CMC EXTERNAL QUALITY ASSURANCE SCHEME
MONTHLY SUMMARY REPORT - APRIL 2023



Lab Name **X-TRA CARE DIAGNOSTICS** Lab No **18066**
 Constituent Group **Chemistry I** Date of Result Entered : **19/08/2023**
 PT item **Lyophilized human serum based** Date of Report Published : **08/09/2023**

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants CV	Participants SD	Your Value	SDI	U
1	GLUCOSE	GOD-POD	Biosystems	325	150.75	6.88	10.38	152 mg/dL	0.12	1.15
2	UREA	Urease UV / GLDH	Biosystems	281	35.88	8.65	3.10	37 mg/dL	0.36	0.37
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Biosystems	237	2.85	8.63	0.25	2.81 mg/dL	-0.16	0.03
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Biosystems	247	2.69	16.93	0.46	2.9 mg/dL	0.46	0.06
5	T-PROTEIN	Biuret - Colorimetric	Biosystems	300	5.55	5.95	0.33	5.02 g/dL	-1.61	0.04
6	ALBUMIN	BCG - colorimetric	Biosystems	301	3.27	6.82	0.22	3.3 g/dL	0.13	0.03
7	CALCIUM	Arsenazo III	Biosystems	201	11.38	8.26	0.94	11.03 mg/dL	-0.37	0.13
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Biosystems	92	3.65	13.62	0.50	3.2 mg/dL	-0.91	0.10
9	URIC ACID	Enzymatic / Uricase Colorimetric	Biosystems	297	6.09	8.83	0.54	5.58 mg/dL	-0.95	0.06
10	CHOLESTEROL	CHOD-PAP	Biosystems	299	118.99	6.82	8.12	122 mg/dL	0.37	0.94
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Biosystems	283	105.47	9.35	9.87	101 mg/dL	-0.45	1.17
12	HDL	Direct method / Enzymatic colorimetric	Biosystems	206	27.87	14.03	3.91	32.3 mg/dL	1.13	0.55
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1181	131.83	3.23	4.26	132.5 mmol/L	0.16	0.25
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1175	5.43	5.95	0.32	5.82 mmol/L	1.21	0.02
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	1011	102.67	3.93	4.03	104.4 mmol/L	0.43	0.25
16	BICARBONATE	Enzymatic - PEPC (Phosphoenolpyruvate)	Any Analyser (Automation / Semi Automation)	178	18.06	21.20	3.83	13.4 mmol/L	-1.22	0.57
17	AST	UV kinetic(with & without PLP (P-5-P))	Biosystems	296	103.61	11.15	11.55	107 U/L	0.29	1.34
18	ALT	UV kinetic(with & without PLP (P-5-P))	Biosystems	286	77.12	13.46	10.38	75 U/L	-0.20	1.23
19	ALP	PNP AMP kinetic	Biosystems	294	108.54	15.05	16.33	111 U/L	0.15	1.90
20	AMYLASE	Enzymatic Colorimetric / G7PNP Blocked	Any Analyser (Automation / Semi Automation)	257	45.47	20.28	9.22	59 U/L	1.47	1.15
21	IRON	Ferro Zine (No Protein Removal)	Biosystems	61	155.46	9.19	14.28	170.9 ug/dL	1.08	3.66
22	MAGNESIUM	Dry Chemistry	Fuji Dry Chemistry series	42	2.98	4.93	0.15	2.9 mg/dL	-0.54	0.05

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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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 *******