



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - DECEMBER 2021



PC-1024

Lab Name **GREEN CROSS DIAGNOSTIC CENTER**

Lab No **5861**

Constituent Group **Chemistry I**

Date of Result Entered : **15/12/2021**

PT item **Lyophilized Serum**

Date of Report Published : **03/01/2022**

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE	GOD-POD	Mindray	196	191.38	4.85	9.28	163.8 mg/dL	-2.97	1.33
2	UREA	Urease UV / GLDH	Mindray	191	87.91	6.88	6.05	77.8 mg/dL	-1.67	0.88
3	CREATININE	Enzymatic Colorimetric	Mindray	57	7.31	8.14	0.60	6.53 mg/dL	-1.31	0.16
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Mindray	165	2.36	10.94	0.26	2.5 mg/dL	0.54	0.04
5	T-PROTEIN	Biuret - Colorimetric	Mindray	197	5.21	6.26	0.33	5.26 g/dL	0.15	0.05
6	ALBUMIN	BCG - colorimetric	Mindray	193	3.29	8.22	0.27	3.1 g/dL	-0.70	0.04
7	CALCIUM	Arsenazo III	Mindray	141	10.60	6.60	0.70	11.4 mg/dL	1.14	0.12
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Mindray	103	4.67	10.28	0.48	4.4 mg/dL	-0.56	0.09
9	URIC ACID	Enzymatic / Uricase Colorimetric	Mindray	194	8.69	8.08	0.70	6.7 mg/dL	-2.83	0.10
10	CHOLESTEROL	CHOD-PAP	Mindray	203	108.30	5.93	6.42	103.8 mg/dL	-0.70	0.90
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Mindray	181	209.18	5.82	12.17	193.6 mg/dL	-1.28	1.81
12	HDL CHO	Direct method / Enzymatic colorimetric	Mindray	144	24.96	10.71	2.67	27.1 mg/dL	0.80	0.45
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	576	141.61	2.90	4.10	249.1 mmol/L	26.22	0.34
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	579	3.32	5.21	0.17	3.27 mmol/L	-0.29	0.01
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	495	107.44	4.39	4.71	199 mmol/L	19.42	0.42
16	AST	UV kinetic with PLP (P-5-P)	Any Analyser (Automation / Semi Automation)	629	89.46	12.82	11.47	98.9 U/L	0.82	0.91
17	ALT	UV kinetic with PLP (P-5-P)	Any Analyser (Automation / Semi Automation)	621	54.20	19.44	10.53	56.8 U/L	0.25	0.85
18	ALP	PNP AMP kinetic	Mindray	123	236.91	14.88	35.26	118.6 U/L	-3.36	6.36

19	AMYLASE	CNPG3	Any Analyser (Automation / Semi Automation)	411	55.93	18.85	10.54	91.37 U/L	3.36	1.04
20	IRON	Ferrene (No Protein Removal)	Any Analyser (Automation / Semi Automation)	58	85.26	10.78	9.19	72.9 ug/dL	-1.35	2.41
21	MAGNESIUM	Xylidyl Blue	Mindray	22	2.60	12.07	0.31	1.49 mg/dL	-3.58	0.13

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 :

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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 *****