

CHRISTIAN MEDICAL COLLEGE
DEPARTMENT OF CLINICAL BIOCHEMISTRY
CMC EXTERNAL QUALITY ASSURANCE SCHEME
MONTHLY SUMMARY REPORT - November 2023

Lab Name NOBEL MICROPATH LABORATORY Lab No 15860
Constituent Chemistry I Date of Result Entered : 15/11/2023
Group
PT item Lyophilized human serum based Date of Report Published : 05/12/2023

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE	GOD-POD	Mindray	245	96.63	6.20	5.99	101.1 mg/dL	0.75	0.77
2	UREA	Urease UV / GLDH	Mindray	283	92.53	6.64	6.14	101.24 mg/dL	1.42	0.73
3	CREATININE	Enzymatic Colorimetric	Mindray	103	1.15	7.12	0.08	1.25 mg/dL	1.22	0.02
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Mindray	242	7.92	8.03	0.64	8.76 mg/dL	1.32	0.08
5	T-PROTEIN	Biuret - Colorimetric	Mindray	297	3.94	7.56	0.30	3.9 g/dL	-0.13	0.03
6	ALBUMIN	BCP - Bromocresol purple (colorimetric)	Roche C111, C311, Integra 400 plus, C501, C502, C702	33	2.43	8.38	0.20	2.75 g/dL	1.57	0.07
7	CALCIUM	Arsenazo III	Mindray	238	8.25	5.65	0.47	8.46 mg/dL	0.45	0.06
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Mindray	173	6.28	10.84	0.68	5.82 mg/dL	-0.68	0.10
9	URIC ACID	Enzymatic / Uricase Colorimetric	Mindray	273	3.31	8.49	0.28	3.71 mg/dL	1.42	0.03
10	CHOLESTEROL	CHOD-PAP	Mindray	305	75.30	8.52	6.41	74.9 mg/dL	-0.06	0.73
11	TRIGLYCERIDE	Glycerol Blanked	Roche C111, C311, Integra 400 plus, C501, C502, C702	22	166.72	7.47	12.46	155.9 mg/dL	-0.87	5.31
12	HDL	Direct method / Enzymatic colorimetric	Mindray	237	19.10	11.24	2.15	16.2 mg/dL	-1.35	0.28
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1238	121.75	3.92	4.78	117 mmol/L	-0.99	0.27

14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1237	3.31	5.63	0.19	3.18 mmol/L	-0.70	0.01
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	1025	90.44	5.32	4.81	84 mmol/L	-1.34	0.30
16	AST	UV kinetic(with & without PLP (P-5-P))	Mindray	290	109.37	9.80	10.72	130.6 U/L	1.98	1.26
17	ALT	UV kinetic(with & without PLP (P-5-P))	Mindray	282	30.51	14.15	4.32	33.5 U/L	0.69	0.51
18	ALP	PNP AMP kinetic	Mindray	215	113.12	13.62	15.40	107.3 U/L	-0.38	2.10
19	AMYLASE	Enzymatic Colorimetric / G7PNP Blocked	Any Analyser (Automation / Semi Automation)	244	31.59	18.34	5.79	33.6 U/L	0.35	0.74
20	IRON	Ferro Zine (No Protein Removal)	Any Analyser (Automation / Semi Automation)	412	102.60	5.16	5.29	104.7 ug/dL	0.40	0.52
21	MAGNESIUM	Others (Any other principles / Methods)	Any Analyser (Automation / Semi Automation)	143	3.54	16.60	0.59	4.22 mg/dL	1.16	0.10

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 *****