



CHRISTIAN MEDICAL COLLEGE

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



Lab Name **DOCOPD LABS** Lab No **16077**
Constituent Group **Chemistry I** Date of Result Entered : **20/10/2022**
PT item **Lyophilized Serum** Date of Report Published : **02/11/2022**

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants CV	Participants SD	Your Value	SDI	U
1	GLUCOSE	GOD-POD	Mindray	203	190.00	6.28	11.94	178.4 mg/dL	-0.97	1.68
2	UREA	Urease UV / GLDH	Mindray	224	62.24	6.26	3.90	59.46 mg/dL	-0.71	0.52
3	CREATININE	Enzymatic Colorimetric	Mindray	63	2.54	6.54	0.17	2.48 mg/dL	-0.36	0.04
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Mindray	184	3.55	8.61	0.31	3.65 mg/dL	0.33	0.05
5	T-PROTEIN	Biuret - Colorimetric	Mindray	216	5.88	6.29	0.37	5.57 g/dL	-0.54	0.05
6	ALBUMIN	BCG - colorimetric	Mindray	219	3.56	7.65	0.27	4.09 g/dL	1.95	0.04
7	CALCIUM	Arsenazo III	Mindray	173	11.23	6.66	0.75	12.3 mg/dL	1.43	0.11
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Mindray	139	4.88	14.50	0.71	4.8 mg/dL	0.21	0.12
9	URIC ACID	Enzymatic / Uricase Colorimetric	Mindray	209	4.85	9.64	0.47	4.46 mg/dL	-0.84	0.06
10	CHOLESTEROL	CHOD-PAP	Mindray	232	120.27	6.75	8.12	124.7 mg/dL	0.55	1.07
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Mindray	226	110.19	9.91	10.92	110.4 mg/dL	0.02	1.45
12	HDL	Direct method / Enzymatic colorimetric	Mindray	168	26.18	9.65	2.53	25.5 mg/dL	-0.27	0.39
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1024	139.25	3.38	4.71	135.6 mmol/L	-0.78	0.29
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1002	4.58	5.70	0.26	4.84 mmol/L	1.00	0.02
8	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	785	102.75	4.07	4.18	96.6 mmol/L	-1.47	0.30
16	AST	UV kinetic(with & without PLP (P-5-P))	Mindray	209	66.65	9.02	6.01	66.5 U/L	-0.35	0.83
17	ALT	UV kinetic(with & without PLP (P-5-P))	Mindray	198	51.77	13.54	7.01	51 U/L	0.03	1.00
18	ALP	PNP AMP kinetic	Mindray	148	108.76	13.09	14.23	115 U/L	0.44	2.34
19	AMYLASE	Enzymatic Colorimetric / G7PNP Blocked	Mindray	31	53.92	12.66	6.83	53.5 U/L	-0.43	2.45
20	IRON	Ferrene (No Protein Removal)	Any Analyser (Automation / Semi Automation)	106	93.88	10.06	9.44	91 ug/dL	-0.31	1.83
21	MAGNESIUM	Xylidyl Blue	Mindray	23	2.69	11.72	0.32	2.48 mg/dL	-0.67	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.

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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 *******