



CHRISTIAN MEDICAL COLLEGE

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



PC-1024

Lab Name **SDC DIAGNOSTIC CENTRE LLP** Lab No **4113**
Constituent Group **Chemistry I** Date of Result Entered : **12/07/2022**
PT item **Lyophilized Serum** Date of Report Published : **05/08/2022**

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants CV	Participants SD	Your Value	SDI	U
1	GLUCOSE	GOD-POD	CPC (Turbochem 100 / 240 Prime)	80	307.83	8.08	24.87	321.14 mg/dL	0.54	5.56
2	UREA	Urease UV / GLDH	CPC (Turbochem 100 / 240 Prime)	69	123.29	11.83	14.58	121.4 mg/dL	-0.13	3.51
3	CREATININE	Jaffes Kinetic - Alkaline picrate	CPC (Turbochem 100 / 240 Prime)	59	4.34	11.39	0.49	4.03 mg/dL	-0.63	0.13
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	CPC (Turbochem 100 / 240 Prime)	73	0.92	17.43	0.16	0.91 mg/dL	-0.06	0.04
5	T-PROTEIN	Biuret - Colorimetric	CPC (Turbochem 100 / 240 Prime)	75	5.47	9.72	0.53	5.41 g/dL	-0.11	0.12
6	ALBUMIN	BCG - colorimetric	CPC (Turbochem 100 / 240 Prime)	73	3.39	5.28	0.18	3.14 g/dL	-1.40	0.04
7	CALCIUM	Arsenazo III	CPC (Turbochem 100 / 240 Prime)	57	10.13	7.86	0.80	10.3 mg/dL	0.21	0.21
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	CPC (Turbochem 100 / 240 Prime)	29	6.78	10.94	0.74	7.2 mg/dL	0.57	0.28
9	URIC ACID	Enzymatic / Uricase Colorimetric	CPC (Turbochem 100 / 240 Prime)	71	3.63	13.83	0.50	5.2 mg/dL	3.14	0.12
10	CHOLESTEROL	CHOD-PAP	CPC (Turbochem 100 / 240 Prime)	73	113.97	9.84	11.21	101.23 mg/dL	-1.14	2.62
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	CPC (Turbochem 100 / 240 Prime)	68	268.14	8.93	23.94	252.3 mg/dL	-0.66	5.81
12	HDL	Direct method / Enzymatic colorimetric	CPC (Turbochem 100 / 240 Prime)	51	26.37	16.88	4.45	21.46 mg/dL	-1.10	1.25
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1047	139.31	3.44	4.80	138.21 mmol/L	-0.23	0.30
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1099	5.06	6.41	0.32	4.62 mmol/L	-1.36	0.02
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	878	100.12	4.63	4.64	98.04 mmol/L	-0.45	0.31
16	AST	UV kinetic(with & without PLP (P-5-P))	CPC (Turbochem 100 / 240 Prime)	50	124.38	11.63	14.46	145.7 U/L	1.47	4.09
17	ALT	UV kinetic(with & without PLP (P-5-P))	CPC (Turbochem 100 / 240 Prime)	54	55.19	12.93	7.14	53.7 U/L	-0.21	1.94
18	ALP	PNP AMP kinetic	CPC (Turbochem 100 / 240 Prime)	60	221.80	11.91	26.41	231.6 U/L	0.37	6.82
19	AMYLASE	CNPG3	CPC (Turbochem 100 / 240 Prime)	24	287.55	10.89	31.30	286.3 U/L	-0.04	12.78
20	IRON	Ferro Zine (No Protein Removal)	Any Analyser (Automation / Semi Automation)	96	122.29	14.04	17.16	50 ug/dL	-4.21	3.50
21	MAGNESIUM	Others (Any other	Any Analyser	116	1.64	20.49	0.34	1 mg/dL	-1.88	0.06

principles / Methods	(Automation / Semi Automation)								
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 *****