



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - MARCH 2023



PC-1024

Lab Name **SIDDHA CENTRAL RESEARCH INSTITUTE** Lab No **4435**
 Constituent Group **Chemistry I** Date of Result Entered : **13/03/2023**
 PT item **Lyophilized human serum based** Date of Report Published : **04/04/2023**

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants CV	SD	Your Value	SDI	U
1	GLUCOSE	GOD-POD	Biosystems	319	324.71	6.41	20.81	330 mg/dL	0.25	2.33
2	UREA	Urease UV / GLDH	Biosystems	282	55.81	8.36	4.67	66.8 mg/dL	2.35	0.56
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Biosystems	232	1.91	8.80	0.17	1.68 mg/dL	-1.37	0.02
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Biosystems	266	5.20	11.75	0.61	5.1 mg/dL	-0.16	0.07
5	T-PROTEIN	Biuret - Colorimetric	Biosystems	315	5.35	6.60	0.35	5 g/dL	-0.99	0.04
6	ALBUMIN	BCG - colorimetric	Biosystems	267	3.17	7.15	0.23	3.1 g/dL	-0.31	0.03
7	CALCIUM	Arsenazo III	Biosystems	191	9.38	7.83	0.74	8.76 mg/dL	-0.84	0.11
8	URIC ACID	Enzymatic / Uricase Colorimetric	Biosystems	276	4.65	8.84	0.41	4.3 mg/dL	-0.85	0.05
9	CHOLESTEROL	CHOD-PAP	Biosystems	313	107.53	8.27	8.89	108 mg/dL	0.05	1.01
10	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Biosystems	290	144.19	7.60	10.95	140 mg/dL	-0.38	1.29
11	HDL	Direct method / Enzymatic colorimetric	Biosystems	211	27.00	14.20	3.83	25.9 mg/dL	-0.29	0.53
12	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1170	137.65	3.04	4.19	135.2 mmol/L	-0.58	0.24
13	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1181	4.06	4.95	0.20	4.14 mmol/L	0.40	0.01
14	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	963	100.03	4.12	4.12	99.6 mmol/L	-0.10	0.27
15	AST	UV kinetic(with & without PLP (P-5-P))	Biosystems	286	80.52	9.59	7.72	77.1 U/L	-0.44	0.91
16	ALT	UV kinetic(with & without PLP (P-5-P))	Biosystems	279	236.99	10.23	24.24	234.6 U/L	-0.10	2.90
17	ALP	PNP AMP kinetic	Biosystems	269	49.56	15.66	7.76	59 U/L	1.22	0.95

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
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******* End of Report *******