



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY
CMC EXTERNAL QUALITY ASSURANCE SCHEME
MONTHLY SUMMARY REPORT - AUGUST 2023



PC-1024

Lab Name **BIOLINE LABORATORY** Lab No **6859**
Constituent Group **Chemistry I** Date of Result Entered : **20/08/2023**
PT item **Lyophilized human serum based** Date of Report Published : **01/09/2023**

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE	Hexokinase	Roche C111, C311, Integra 400 plus, C501, C502, C702	284	60.46	4.29	2.59	57 mg/dL	-1.34	0.31
2	UREA	Urease UV / GLDH	Roche C111, C311, Integra 400 plus, C501, C502, C702	300	17.40	7.11	1.24	17.9 mg/dL	0.40	0.14
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Roche C111, C311, Integra 400 plus, C501, C502, C702	265	0.83	9.08	0.08	0.83 mg/dL	0.00	0.01
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Roche C111, C311, Integra 400 plus, C501, C502, C702	293	0.74	7.80	0.06	0.77 mg/dL	0.52	0.01
5	T-PROTEIN	Biuret - Colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	299	5.31	4.56	0.24	5.3 g/dL	-0.04	0.03
6	ALBUMIN	BCG - colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	289	3.46	3.50	0.12	3.4 g/dL	-0.50	0.01
7	CALCIUM	5-Nitro-5-methyl-BAPTA	Roche C111, C311, Integra 400 plus, C501, C502, C702	239	9.65	3.51	0.34	9.6 mg/dL	-0.15	0.04
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Roche C111, C311, Integra 400 plus, C501, C502, C702	233	2.73	4.43	0.12	2.7 mg/dL	-0.25	0.02
9	URIC ACID	Enzymatic / Uricase Colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	289	3.49	4.30	0.15	3.4 mg/dL	-0.60	0.02
10	CHOLESTEROL	CHOD-PAP	Roche C111, C311, Integra 400 plus, C501, C502, C702	301	124.78	3.75	4.69	123 mg/dL	-0.38	0.54
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Roche C111, C311, Integra 400 plus, C501, C502, C702	283	129.89	4.58	5.94	127 mg/dL	-0.49	0.71
12	HDL	Direct method / Enzymatic colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	284	24.73	6.08	1.50	23 mg/dL	-1.15	0.18
13	SODIUM	ISE - Indirect	Roche C111, C311, Integra 400 plus, C501, C502, C702	190	128.72	3.02	3.89	128 mmol/L	-0.19	0.56
14	POTASSIUM	ISE - Indirect	Roche C111, C311, Integra 400 plus, C501, C502, C702	191	2.54	6.30	0.16	2.58 mmol/L	0.25	0.02
15	CHLORIDE	ISE - Indirect	Roche C111, C311, Integra 400 plus, C501, C502, C702	157	94.28	4.27	4.03	85.2 mmol/L	-2.25	0.64
16	BICARBONATE	Enzymatic - PEPC (Phosphoenolpyruvate)	Roche C111, C311, Integra 400 plus, C501, C502, C702	43	13.60	18.94	2.58	12.2 mmol/L	-0.54	0.79
17	AST	UV kinetic(with & without PLP (P-5-P))	Roche C111, C311, Integra 400 plus, C501, C502, C702	287	33.57	7.87	2.64	31.9 U/L	-0.63	0.31
18	ALT	UV kinetic(with & without PLP (P-5-P))	Roche C111, C311, Integra 400 plus, C501, C502, C702	287	25.04	14.54	3.64	25.5 U/L	0.13	0.43
19	ALP	PNP AMP kinetic	Roche C111, C311, Integra 400 plus, C501, C502, C702	290	99.62	6.77	6.74	100.3 U/L	0.10	0.79
20	AMYLASE	Enzymatic Colorimetric / G7PNP Blocked	Roche C111, C311, Integra 400 plus, C501, C502, C702	173	55.85	3.17	1.77	55.7 U/L	-0.08	0.27
21	IRON	Ferro Zine (No Protein Removal)	Roche C111, C311, Integra 400 plus, C501, C502, C702	147	104.93	5.36	5.62	102.2 ug/dL	-0.49	0.93
22	MAGNESIUM	Xylidyl Blue	Roche C111, C311, Integra 400 plus, C501, C502, C702	119	1.62	4.94	0.08	1.67 mg/dL	0.62	0.01

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 :

BIOLINE LABORATORY
6, 7 & 15 Dolly Arcade, New Nagole, LB Nagar
HYDERABAD
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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 *****



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Lab Name **BIOLINE LABORATORY** Lab No **6859**
 Constituent Group **HbA1c** Date of Result Entered : **20/08/2023**
 PT item **Lyophilized human whole blood based** Date of Report Published : **01/09/2023**

SI.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	HbA1c	HPLC-Ion Exchange	Biorad (D10 / D100 / Variant Turbo)	698	5.79	4.13	0.24	5.5 %	-1.21	0.02

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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