



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - JUNE 2023



PC-1024

Lab Name **CENTRAL LAB** Lab No **18555**
 Constituent Group **Chemistry I** Date of Result Entered : **15/06/2023**
 PT item **Lyophilized human serum based** Date of Report Published : **04/07/2023**

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants CV	Participants SD	Your Value	SDI	U
1	GLUCOSE	GOD-POD	Transasia / Erba	962	128.53	6.19	7.95	134.2 mg/dL	0.71	0.51
2	UREA	Urease UV / GLDH	Transasia / Erba	939	48.12	7.85	3.78	41.8 mg/dL	-1.67	0.25
3	CREATININE	Enzymatic Colorimetric	Transasia / Erba	476	2.04	6.52	0.13	2.17 mg/dL	0.98	0.01
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Transasia / Erba	969	2.83	11.99	0.34	2.29 mg/dL	-1.59	0.02
5	T-PROTEIN	Biuret - Colorimetric	Transasia / Erba	944	6.00	6.81	0.41	5.82 g/dL	-0.44	0.03
6	ALBUMIN	BCG - colorimetric	Transasia / Erba	966	3.55	5.84	0.21	3.48 g/dL	-0.34	0.01
7	CALCIUM	OCPC (O - Cresolphthalein Compleazone)	Any Analyser (Automation / Semi Automation)	241	10.03	9.01	0.90	9.54 mg/dL	-0.54	0.12
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Transasia / Erba	466	4.63	9.58	0.44	5.19 mg/dL	1.26	0.04
9	URIC ACID	Enzymatic / Uricase Colorimetric	Transasia / Erba	925	5.11	8.87	0.45	4.73 mg/dL	-0.84	0.03
10	CHOLESTEROL	CHOD-PAP	Transasia / Erba	935	116.36	7.89	9.18	122 mg/dL	0.61	0.60
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Transasia / Erba	912	156.09	8.37	13.06	185.6 mg/dL	2.26	0.86
12	HDL	Direct method / Enzymatic colorimetric	Transasia / Erba	738	28.29	10.87	3.08	29.2 mg/dL	0.29	0.23
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1247	134.31	3.28	4.40	140.7 mmol/L	1.45	0.25
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1244	5.18	5.90	0.31	5.28 mmol/L	0.33	0.02
15	AST	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	920	68.05	10.67	7.26	71.7 U/L	0.50	0.48
16	ALT	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	862	46.05	14.31	6.59	40.6 U/L	-0.83	0.45
17	ALP	PNP AMP kinetic	Transasia / Erba	886	108.12	15.29	16.54	118.1 U/L	0.60	1.11
18	AMYLASE	Enzymatic Colorimetric / G7PNP Blocked	Any Analyser (Automation / Semi Automation)	284	69.12	20.55	14.21	54.4 U/L	-1.04	1.69
19	MAGNESIUM	Others (Any other principles / Methods)	Any Analyser (Automation / Semi Automation)	190	2.46	16.00	0.39	2.27 mg/dL	-0.48	0.06

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 *******