



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - MARCH 2023



PC-1024

Lab Name **GURU GREEN CROSS PATHOLOGY
LABORATORY- Medipolis**

Lab No **5387**

Constituent Group **Chemistry I**

Date of Result Entered : **14/03/2023**

PT item **Lyophilized human serum based**

Date of Report Published : **04/04/2023**

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	AV	Participants		Your Value	Z Score	u*
						CV	SDPA			
1	GLUCOSE	GOD-POD	Any Analyser (Automation / Semi Automation)	977	308.99	10.65	32.90	359 mg/dL	1.52	2.10
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	700	58.51	9.15	5.35	59 mg/dL	0.09	0.40
3	CREATININE	Enzymatic Colorimetric	Any Analyser (Automation / Semi Automation)	163	1.94	8.31	0.16	1.68 mg/dL	-1.61	0.03
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Any Analyser (Automation / Semi Automation)	927	5.66	12.32	0.70	5.7 mg/dL	0.06	0.05
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	1082	5.49	10.00	0.55	5.2 g/dL	-0.53	0.03
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	751	3.31	7.29	0.24	2.9 g/dL	-1.70	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	909	9.37	7.83	0.73	8.7 mg/dL	-0.91	0.05
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation)	394	7.97	12.51	1.00	7.8 mg/dL	-0.17	0.10
9	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	931	4.50	17.14	0.77	4 mg/dL	-0.65	0.05
10	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	1038	110.71	10.15	11.24	111 mg/dL	0.03	0.70
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation)	1004	146.11	8.05	11.77	152 mg/dL	0.50	0.74
12	HDL	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation)	701	28.43	19.18	5.45	35 mg/dL	1.20	0.41
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1170	137.65	3.04	4.19	136.2 mmol/L	-0.35	0.24
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1181	4.06	4.95	0.20	4 mmol/L	-0.30	0.01
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	963	100.03	4.12	4.12	96.5 mmol/L	-0.86	0.27

16	BICARBONATE	Enzymatic - PEPC (Phosphoenolpyruvate)	Any Analyser (Automation / Semi Automation)	207	22.14	11.67	2.58	20.5 mmol/L	-0.63	0.36
17	AST	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1032	69.96	12.49	8.74	70 U/L	0.00	0.54
18	ALT	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	949	197.38	18.40	36.32	148 U/L	-1.36	2.36
19	ALP	PNP AMP kinetic	Any Analyser (Automation / Semi Automation)	713	52.08	20.82	10.84	47 U/L	-0.47	0.81
20	AMYLASE	CNPG3	Any Analyser (Automation / Semi Automation)	480	106.12	17.92	19.02	110 U/L	0.20	1.74
21	MAGNESIUM	Xylidyl Blue	Any Analyser (Automation / Semi Automation)	196	1.75	18.94	0.33	2 mg/dL	0.76	0.05

u* - Method of Uncertainty

Z-Score	Interpretation
z ≤ 2.0	Acceptable
2.0 < z < 3.0	Warning Signal
z ≥ 3.0	Unacceptable (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 *****