



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - OCTOBER 2023



PC-1024

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

Lab No **5387**

Constituent Group **Chemistry I**

Date of Result Entered : **07/10/2023**

PT item **Lyophilized human serum based**

Date of Report Published : **04/11/2023**

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)	1109	355.64	4.97	17.68	396 mg/dL	2.28	1.06
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	722	43.91	9.84	4.32	43 mg/dL	-0.21	0.32
3	CREATININE	Enzymatic Colorimetric	Any Analyser (Automation / Semi Automation)	173	7.31	7.56	0.55	6.37 mg/dL	-1.70	0.08
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Any Analyser (Automation / Semi Automation)	919	1.36	18.46	0.25	1.47 mg/dL	0.44	0.02
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	1131	5.01	6.81	0.34	4.3 g/dL	-2.08	0.02
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	781	3.13	7.81	0.24	3.7 g/dL	2.34	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	1000	11.53	6.78	0.78	12 mg/dL	0.60	0.05
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation)	386	3.74	13.03	0.49	3.5 mg/dL	-0.49	0.05
9	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	1133	10.41	7.44	0.77	10.7 mg/dL	0.37	0.05
10	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	1127	102.75	6.82	7.01	107 mg/dL	0.61	0.42
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation)	996	75.09	10.15	7.62	69 mg/dL	-0.80	0.48
12	HDL	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation)	862	26.27	8.55	2.24	26 mg/dL	-0.12	0.15
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1261	137.19	2.84	3.90	143.3 mmol/L	1.57	0.22
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1266	5.62	6.65	0.37	5.7 mmol/L	0.21	0.02
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	1070	102.76	4.00	4.11	102.5 mmol/L	-0.06	0.25

16	AST	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1137	100.97	12.94	13.06	88 U/L	-0.99	0.77
17	ALT	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1099	126.37	14.18	17.92	59 U/L	-3.76	1.08
18	ALP	PNP AMP kinetic	Any Analyser (Automation / Semi Automation)	902	441.61	9.04	39.93	581 U/L	3.49	2.66
19	AMYLASE	CNPG3	Any Analyser (Automation / Semi Automation)	472	157.66	18.24	28.75	154 U/L	-0.13	2.65
20	IRON	Ferrene (No Protein Removal)	Any Analyser (Automation / Semi Automation)	138	192.49	11.93	22.97	56 ug/dL	-5.94	3.91
21	MAGNESIUM	Xylidyl Blue	Any Analyser (Automation / Semi Automation)	160	1.67	17.74	0.30	1.74 mg/dL	0.24	0.05

u* - Method of Uncertainty

Z-Score	Interpretation
$ z \leq 2.0$	Acceptable
$2.0 < z < 3.0$	Warning Signal
$ z \geq 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 *****