



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - DECEMBER 2023



PC-1024

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

Lab No **5387**

Constituent Group **Chemistry I**

Date of Result Entered : **08/12/2023**

PT item **Lyophilized human serum based**

Date of Report Published : **02/01/2024**

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)	1156	199.01	7.22	14.36	231 mg/dL	2.23	0.84
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	715	109.92	8.49	9.33	85 mg/dL	-2.67	0.70
3	CREATININE	Enzymatic Colorimetric	Any Analyser (Automation / Semi Automation)	203	7.69	7.88	0.61	6.87 mg/dL	-1.35	0.09
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Any Analyser (Automation / Semi Automation)	824	1.81	22.30	0.40	2.3 mg/dL	1.21	0.03
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	1139	5.60	7.27	0.41	6.2 g/dL	1.47	0.02
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	826	3.40	8.14	0.28	3.7 g/dL	1.08	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	954	10.65	5.18	0.55	11.1 mg/dL	0.82	0.04
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation)	463	5.79	12.55	0.73	5.8 mg/dL	0.01	0.07
9	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	1068	6.99	7.27	0.51	7.4 mg/dL	0.81	0.03
10	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	1213	121.47	5.58	6.78	122 mg/dL	0.08	0.39
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation)	1098	117.61	8.90	10.47	121 mg/dL	0.32	0.63
12	HDL	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation)	923	27.82	10.56	2.94	29 mg/dL	0.40	0.19
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1288	133.11	3.15	4.19	132.5 mmol/L	-0.15	0.23
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1296	4.67	5.39	0.25	4.5 mmol/L	-0.67	0.01
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	1055	101.34	3.81	3.86	92.5 mmol/L	-2.29	0.24

16	AST	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1154	92.19	10.04	9.26	97 U/L	0.52	0.54
17	ALT	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1154	56.13	10.73	6.02	35 U/L	-3.51	0.35
18	ALP	PNP AMP kinetic	Any Analyser (Automation / Semi Automation)	952	150.55	9.71	14.62	159 U/L	0.58	0.95
19	AMYLASE	CNPG3	Any Analyser (Automation / Semi Automation)	456	115.90	17.65	20.45	112 U/L	-0.19	1.92
20	IRON	Ferrene (No Protein Removal)	Any Analyser (Automation / Semi Automation)	125	74.63	15.98	11.92	68 ug/dL	-0.56	2.13
21	MAGNESIUM	Xylidyl Blue	Any Analyser (Automation / Semi Automation)	210	2.43	16.29	0.40	2.1 mg/dL	-0.83	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 *****