



# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - NOVEMBER 2023



PC-1024

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

Lab No **5387**

Constituent Group **Chemistry I**

Date of Result Entered : **09/11/2023**

PT item **Lyophilized human serum based**

Date of Report Published : **05/12/2023**

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 )	1139	93.46	6.69	6.25	108 mg/dL	2.33	0.37
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation )	711	91.14	8.85	8.06	92 mg/dL	0.11	0.60
3	CREATININE	Enzymatic Colorimetric	Any Analyser (Automation / Semi Automation )	191	1.14	9.00	0.10	0.96 mg/dL	-1.75	0.01
4	T.BILIRUBIN	Diazonium salt ( Colorimetric ) / Jendrassik	Any Analyser (Automation / Semi Automation )	998	7.38	12.06	0.89	8.6 mg/dL	1.37	0.06
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation )	1156	4.13	10.84	0.45	3.2 g/dL	-2.08	0.03
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation )	823	2.55	9.64	0.25	2.5 g/dL	-0.20	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation )	938	8.17	7.36	0.60	8.1 mg/dL	-0.12	0.04
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation )	427	6.56	12.93	0.85	6.4 mg/dL	-0.19	0.08
9	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation )	1000	3.67	15.36	0.56	3.7 mg/dL	0.05	0.04
10	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation )	1071	73.71	10.36	7.64	81 mg/dL	0.95	0.47
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation )	1070	166.27	7.19	11.95	157 mg/dL	-0.78	0.73
12	HDL	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation )	836	20.98	13.04	2.74	21 mg/dL	0.01	0.19
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation )	1238	121.75	3.92	4.78	124.8 mmol/L	0.64	0.27
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation )	1237	3.31	5.63	0.19	2.9 mmol/L	-2.20	0.01
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation )	1025	90.44	5.32	4.81	89.5 mmol/L	-0.20	0.30

16	BICARBONATE	Enzymatic - PEPC ( Phosphoenolpyruvate )	Any Analyser (Automation / Semi Automation )	199	19.34	15.77	3.05	25 mmol/L	1.86	0.43
17	AST	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation )	1140	111.95	13.93	15.59	91 U/L	-1.34	0.92
18	ALT	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation )	1129	29.54	15.14	4.47	15 U/L	-3.25	0.27
19	ALP	PNP AMP kinetic	Any Analyser (Automation / Semi Automation )	936	105.34	11.90	12.53	114 U/L	0.69	0.82
20	AMYLASE	CNPG3	Any Analyser (Automation / Semi Automation )	473	33.86	17.69	5.99	29 U/L	-0.81	0.55
21	IRON	Ferrene ( No Protein Removal )	Any Analyser (Automation / Semi Automation )	132	112.05	10.00	11.21	50 ug/dL	-5.54	1.95
22	MAGNESIUM	Xylidyl Blue	Any Analyser (Automation / Semi Automation )	156	3.36	17.00	0.57	2.1 mg/dL	-2.21	0.09

u\* - Method of Uncertainty

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