



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - FEBRUARY 2023



PC-1024

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

Lab No **5387**

Constituent Group **Chemistry I**

Date of Result Entered : **16/02/2023**

PT item **Lyophilized human serum based**

Date of Report Published : **08/03/2023**

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)	1075	123.23	8.16	10.05	139 mg/dL	1.57	0.61
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	648	129.71	8.40	10.90	121 mg/dL	-0.80	0.86
3	CREATININE	Enzymatic Colorimetric	Any Analyser (Automation / Semi Automation)	151	5.17	6.52	0.34	4.5 mg/dL	-1.99	0.05
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Any Analyser (Automation / Semi Automation)	821	1.58	18.29	0.29	1 mg/dL	-2.01	0.02
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	1100	4.63	9.80	0.45	0.6 g/dL	-8.88	0.03
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	730	2.91	8.69	0.25	3.2 g/dL	1.15	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	896	10.41	6.97	0.72	10.4 mg/dL	-0.01	0.05
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation)	390	4.03	12.07	0.49	4.3 mg/dL	0.56	0.05
9	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	1011	6.92	10.14	0.70	7.5 mg/dL	0.83	0.04
10	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	1046	98.66	7.43	7.33	92 mg/dL	-0.91	0.45
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation)	988	87.48	8.82	7.72	90 mg/dL	0.33	0.49
12	HDL	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation)	714	28.16	19.26	5.42	21 mg/dL	-1.32	0.41
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1147	120.46	4.12	4.96	128 mmol/L	1.52	0.29
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1129	5.00	5.46	0.27	5.3 mmol/L	1.10	0.02
15	BICARBONATE	Enzymatic - PEPC (Phosphoenolpyruvate)	Any Analyser (Automation / Semi Automation)	188	18.79	19.36	3.64	8 mmol/L	-2.96	0.53

16	AST	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1021	190.14	15.11	28.72	181 U/L	-0.32	1.80
17	ALT	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1025	49.30	15.70	7.74	55 U/L	0.74	0.48
18	ALP	PNP AMP kinetic	Any Analyser (Automation / Semi Automation)	733	178.51	26.55	47.40	151 U/L	-0.58	3.50
19	AMYLASE	CNPG3	Any Analyser (Automation / Semi Automation)	449	79.72	17.30	13.80	84 U/L	0.31	1.30
20	IRON	Ferrene (No Protein Removal)	Any Analyser (Automation / Semi Automation)	119	95.69	10.53	10.07	78 ug/dL	-1.76	1.85
21	MAGNESIUM	Xylidyl Blue	Any Analyser (Automation / Semi Automation)	148	3.44	16.91	0.58	2 mg/dL	-2.48	0.10

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 *****