



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - FEBRUARY 2024



PC-1024

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

Lab No **5387**

Constituent Group **Chemistry I**

Date of Result Entered : **10/02/2024**

PT item **Lyophilized human serum based**

Date of Report Published : **05/03/2024**

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)	1176	251.29	4.97	12.48	240 mg/dL	-0.90	0.73
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	1061	61.45	11.98	7.36	61 mg/dL	-0.06	0.45
3	CREATININE	Enzymatic Colorimetric	Any Analyser (Automation / Semi Automation)	209	5.66	8.18	0.46	4.8 mg/dL	-1.86	0.06
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Any Analyser (Automation / Semi Automation)	1022	2.84	16.53	0.47	3.2 mg/dL	0.77	0.03
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	1176	5.38	6.46	0.35	5.5 g/dL	0.35	0.02
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	1142	3.21	9.82	0.32	3.5 g/dL	0.92	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	990	10.20	6.91	0.70	10.8 mg/dL	0.85	0.04
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation)	400	3.80	12.99	0.49	3.6 mg/dL	-0.40	0.05
9	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	1129	7.69	8.54	0.66	7 mg/dL	-1.05	0.04
10	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	1179	114.96	5.67	6.52	125 mg/dL	1.54	0.38
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation)	1106	191.25	6.15	11.77	195 mg/dL	0.32	0.71
12	HDL	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation)	883	27.58	10.09	2.78	28 mg/dL	0.15	0.19
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1320	127.25	3.44	4.38	122.9 mmol/L	-0.99	0.24
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1314	4.73	5.28	0.25	4.3 mmol/L	-1.72	0.01
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	1025	97.11	3.90	3.79	86.5 mmol/L	-2.8	0.24

16	BICARBONATE	Enzymatic - PEPC (Phosphoenolpyruvate)	Any Analyser (Automation / Semi Automation)	187	18.51	18.15	3.36	22 mmol/L	1.04	0.49
17	AST	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1125	73.02	10.41	7.60	70 U/L	-0.40	0.45
18	ALT	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1108	94.73	14.64	13.87	71 U/L	-1.71	0.83
19	ALP	PNP AMP kinetic	Any Analyser (Automation / Semi Automation)	942	91.60	11.35	10.40	90 U/L	-0.15	0.68
20	AMYLASE	CNPG3	Any Analyser (Automation / Semi Automation)	510	66.74	18.69	12.47	90 U/L	1.87	1.10
21	IRON	Ferrene (No Protein Removal)	Any Analyser (Automation / Semi Automation)	137	120.75	14.25	17.21	66 ug/dL	-3.18	2.94
22	MAGNESIUM	Xylidyl Blue	Any Analyser (Automation / Semi Automation)	201	2.76	17.42	0.48	2 mg/dL	-1.58	0.07

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 *****