



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - MARCH 2024



PC-1024

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

Lab No **5387**

Constituent Group **Chemistry I**

Date of Result Entered : **09/03/2024**

PT item **Lyophilized human serum based**

Date of Report Published : **06/04/2024**

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)	1212	168.46	5.37	9.05	156 mg/dL	-1.38	0.52
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	1028	26.16	11.14	2.91	25 mg/dL	-0.40	0.18
3	CREATININE	Enzymatic Colorimetric	Any Analyser (Automation / Semi Automation)	227	0.95	12.28	0.12	0.96 mg/dL	0.09	0.02
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Any Analyser (Automation / Semi Automation)	910	0.83	19.57	0.16	0.66 mg/dL	-1.05	0.01
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	1188	5.74	6.49	0.37	4.9 g/dL	-2.25	0.02
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	1165	3.51	7.61	0.27	3.3 g/dL	-0.79	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	993	9.74	5.72	0.56	10.2 mg/dL	0.83	0.04
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation)	414	6.48	11.26	0.73	5.7 mg/dL	-1.07	0.07
9	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	1079	3.54	16.34	0.58	2.7 mg/dL	-1.45	0.04
10	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	1195	115.97	5.49	6.36	149 mg/dL	5.19	0.37
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation)	1151	95.64	7.93	7.59	111 mg/dL	2.02	0.45
12	HDL	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation)	944	28.07	10.95	3.07	24 mg/dL	-1.32	0.20
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1339	137.32	2.73	3.75	133.7 mmol/L	-0.97	0.20
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1366	3.58	4.83	0.17	3.3 mmol/L	-1.62	0.01
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	1112	103.75	3.60	3.74	95.2 mmol/L	-2.29	0.22

16	BICARBONATE	Enzymatic - PEPC (Phosphoenolpyruvate)	Any Analyser (Automation / Semi Automation)	180	18.69	18.67	3.49	25 mmol/L	1.81	0.52
17	AST	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1130	58.20	9.44	5.50	49 U/L	-1.67	0.33
18	ALT	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1121	86.34	12.41	10.71	59 U/L	-2.55	0.64
19	ALP	PNP AMP kinetic	Any Analyser (Automation / Semi Automation)	880	127.56	14.89	18.99	121 U/L	-0.35	1.28
20	AMYLASE	CNPG3	Any Analyser (Automation / Semi Automation)	487	72.81	16.59	12.08	66 U/L	-0.56	1.09
21	IRON	Ferrene (No Protein Removal)	Any Analyser (Automation / Semi Automation)	161	153.95	12.98	19.98	56 ug/dL	-4.90	3.15
22	MAGNESIUM	Xylidyl Blue	Any Analyser (Automation / Semi Automation)	169	3.04	17.37	0.53	2 mg/dL	-1.96	0.08

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 *****