



# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - JANUARY 2024



PC-1024

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

Lab No **5387**

Constituent Group **Chemistry I**

Date of Result Entered : **10/01/2024**

PT item **Lyophilized human serum based**

Date of Report Published : **06/02/2024**

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 )	1085	124.31	6.16	7.66	146 mg/dL	2.83	0.47
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation )	937	36.03	11.25	4.05	45 mg/dL	2.21	0.26
3	CREATININE	Enzymatic Colorimetric	Any Analyser (Automation / Semi Automation )	186	1.72	7.80	0.13	1.6 mg/dL	-0.90	0.02
4	T.BILIRUBIN	Diazonium salt ( Colorimetric ) / Jendrassik	Any Analyser (Automation / Semi Automation )	931	2.04	15.85	0.32	2.5 mg/dL	1.42	0.02
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation )	1115	5.24	6.24	0.33	4.4 g/dL	-2.57	0.02
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation )	1035	3.14	9.56	0.30	3.6 g/dL	1.53	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation )	917	8.87	6.62	0.59	7.6 mg/dL	-2.16	0.04
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation )	398	5.90	10.47	0.62	5.7 mg/dL	-0.32	0.06
9	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation )	1037	5.16	11.96	0.62	4.5 mg/dL	-1.07	0.04
10	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation )	1074	111.60	6.78	7.56	99 mg/dL	-1.67	0.46
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation )	1092	148.75	6.31	9.38	146 mg/dL	-0.29	0.57
12	HDL	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation )	868	27.20	9.93	2.70	26 mg/dL	-0.44	0.18
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation )	1155	130.94	3.25	4.26	130.7 mmol/L	-0.06	0.25
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation )	1188	3.20	5.97	0.19	2.85 mmol/L	-1.83	0.01
15	BICARBONATE	Enzymatic - PEPC ( Phosphoenolpyruvate )	Any Analyser (Automation / Semi Automation )	197	21.21	13.73	2.91	7 mmol/L	-4.88	0.41

16	AST	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation )	1048	105.39	7.40	7.80	34 U/L	-9.15	0.48
17	ALT	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation )	1048	44.50	13.19	5.87	105 U/L	10.31	0.36
18	ALP	PNP AMP kinetic	Any Analyser (Automation / Semi Automation )	883	182.76	9.88	18.06	150 U/L	-1.81	1.22
19	AMYLASE	CNPG3	Any Analyser (Automation / Semi Automation )	471	58.63	18.55	10.87	53 U/L	-0.52	1.00
20	IRON	Ferrene ( No Protein Removal )	Any Analyser (Automation / Semi Automation )	114	87.10	18.54	16.15	65 ug/dL	-1.37	3.03
21	MAGNESIUM	Xylidyl Blue	Any Analyser (Automation / Semi Automation )	218	2.12	15.29	0.32	2 mg/dL	-0.37	0.04

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)

## LAB ADDRESS :

GURU GREEN CROSS PATHOLOGY LABORATORY- Medipolis  
 Fourth floor, A-2, Medipolis, Deesa highway, PALANPUR, NORTH GUJARAT  
 PALANPUR  
 GUJARAT385001

Coordinator Contact Details:  
 Email:clinqc@cmcvellore.ac.in  
 Contact Number: 0416-2283102

*Pamela Christudoss*  
 Dr. Pamela Christudoss  
 CMC EQAS Coordinator  
 Christian Medical College, Vellore

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 \*\*\*\*\*