



**CHRISTIAN MEDICAL COLLEGE**  
VELLORE, TAMIL NADU - 632004. INDIA  
**DEPARTMENT OF CLINICAL BIOCHEMISTRY**  
CMC EXTERNAL QUALITY ASSURANCE SCHEME



**MONTHLY SUMMARY REPORT - JULY 2024**

LAB NO: 15309  
LAB NAME: QPLUS DIAGNOSTICS PVT LTD

CONSTITUENT GROUP  
**Chemistry I**

Date of Result Entered: 18/07/2024  
Date of Result Published: 08/08/2024

PT Item: Lyophilized human serum based

S. No.	Analyte	Method / Principle	Analyser	No. of Participants	AV	Participants		Your Value	Z Score	u*
						CV	SDPA			
1	GLUCOSE	GOD-POD	Any Analyser (Automation / Semi Automation)	1306	126.85	5.69	7.22	137.1 mg/dL	1.42	0.4
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	1167	47.2	9.02	4.26	53.12 mg/dL	1.39	0.25
3	CREATININE	Enzymatic Colorimetric	Any Analyser (Automation / Semi Automation)	252	2.5	9.18	0.23	2.98 mg/dL	2.09	0.03
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Any Analyser (Automation / Semi Automation)	1155	6.94	12.07	0.84	8.92 mg/dL	2.36	0.05
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	1263	5.36	6.93	0.37	4.68 g/dL	-1.84	0.02
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	1229	3.2	9.36	0.3	3.99 g/dL	2.63	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	1045	9.57	5.48	0.52	11.12 mg/dL	2.98	0.03
8	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	1257	8.62	8.52	0.73	10.97 mg/dL	3.22	0.04
9	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	1267	107.3	7.74	8.31	110.3 mg/dL	0.36	0.47
10	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation)	1238	124.92	9.56	11.94	151.9 mg/dL	2.26	0.68
11	HDL	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation)	1015	24.41	12.04	2.94	23.6 mg/dL	-0.28	0.18
12	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1469	133.18	3.17	4.23	139.7 mmol/L	1.54	0.22
13	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1472	3.82	4.9	0.19	4.2 mmol/L	2	0.01
14	AST	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1212	109.92	9.49	10.43	121.4 U/L	1.1	0.6



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PC-1024

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15	ALT	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation )	1215	48.79	16.89	8.24	47.9 U/L	-0.11	0.47
16	ALP	PNP AMP kinetic	Any Analyser (Automation / Semi Automation )	1019	167.04	13.87	23.17	179.8 U/L	0.55	1.45
17	AMYLASE	CNPG3	Any Analyser (Automation / Semi Automation )	590	44.21	21.02	9.3	57 U/L	1.38	0.77
18	IRON	Ferrene ( No Protein Removal )	Any Analyser (Automation / Semi Automation )	164	145.87	10.93	15.94	139.3 ug/dL	-0.41	2.49

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**

PLUS DIAGNOSTICS PVT LTD,  
PLOT NO-04, POCKET-02 SEC -24,  
Delhi

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

**Coordinator Contact Details:**

E-Mail: [clinqc@cmcvellore.ac.in](mailto:clinqc@cmcvellore.ac.in)  
Contact No.: 0416-2283102

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 \*\*\*\*\*

Uric acid out of Acceptable range  
repeat retained EQAS sample.

repeat test value - 9.01

Calculated Z score =  $\frac{8.62 - 9.01}{0.73} = 0.53$  Acceptable

May be a random error.



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						CV	SDPA			
1	D.BILIRUBIN	Diazonium salt ( Colorimetric ) / Jendrassik	Any Analyser (Automation / Semi Automation )	343	1.17	36.74	0.43	0.9 mg/dL	-0.63	0.05

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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