



CHRISTIAN MEDICAL COLLEGE

VELLORE, TAMIL NADU - 632004. INDIA

DEPARTMENT OF CLINICAL BIOCHEMISTRY CMC EXTERNAL QUALITY ASSURANCE SCHEME



PC-1024

MONTHLY SUMMARY REPORT - SEPTEMBER 2024

LAB NO: 10151

LAB NAME: **CLINICAL LABORATORY**

CONSTITUENT GROUP

Chemistry I

Date of Result Entered: 19/09/2024

Date of Result Published: 09/10/2024

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	Mindray	298	101.98	5.52	5.63	98 mg/dL	-0.71	0.65
2	UREA	Urease UV / GLDH	Mindray	365	58.25	6.01	3.5	59 mg/dL	0.21	0.37
3	CREATININE	Enzymatic Colorimetric	Mindray	135	1.89	5.54	0.1	1.9 mg/dL	0.1	0.02
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Mindray	324	3.85	8.81	0.34	3.9 mg/dL	0.15	0.04
5	T-PROTEIN	Biuret - Colorimetric	Mindray	371	5.24	6.04	0.32	5 g/dL	-0.75	0.03
6	ALBUMIN	BCG - colorimetric	Mindray	359	3.28	6.32	0.21	3.4 g/dL	0.57	0.02
7	CALCIUM	Arsenazo III	Mindray	294	9.36	6.37	0.6	9.5 mg/dL	0.23	0.07
8	URIC ACID	Enzymatic / Uricase Colorimetric	Mindray	362	4.56	7.46	0.34	4.4 mg/dL	-0.47	0.04
9	CHOLESTEROL	CHOD-PAP	Mindray	367	112.36	6.22	6.99	115 mg/dL	0.38	0.73
10	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Mindray	364	118.43	8.25	9.77	124 mg/dL	0.57	1.02
11	HDL	Direct method / Enzymatic colorimetric	Mindray	310	24.41	8.71	2.13	24 mg/dL	-0.19	0.24
12	AST	UV kinetic(with & without PLP (P-5-P))	Mindray	356	32.62	9.69	3.16	32 U/L	-0.2	0.34
13	ALT	UV kinetic(with & without PLP (P-5-P))	Mindray	353	41.63	14.81	6.17	41 U/L	-0.1	0.66
14	ALP	PNP AMP kinetic	Mindray	281	128.91	14.34	18.48	134 U/L	0.28	2.21
15	AMYLASE	Enzymatic Colorimetric / G7PNP Blocked	Mindray	70	219.94	7.57	16.65	232 U/L	0.72	3.98



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						CV	SDPA			

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

CLINICAL LABORATORY,
AMMANI HOSPITAL,
No.130, GANDHI ROAD, HASTHAMPATTI,
Salem,

Coordinator Contact Details:

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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 *****

Pamela Christudoss

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HbA1c

Date of Result Entered: 19/09/2024

Date of Result Published: 01/10/2024

PT Item: Lyophilized human whole blood based

S. No.	Analyte	Method / Principle	Analyser	No. of Participants	AV	Participants		Your Value	Z Score	u*
						CV	SDPA			
1	HbA1c	HPLC-Ion Exchange	Biorad (D10 / D100 / Variant Turbo)	699	6.85	3.09	0.21	6.8 %	-0.24	0.02

u* - method of uncertainty

Z-Score	Interpretation
$ z \leq 2.0$	Acceptable
$2.0 < z < 3.0$	Warning Signal
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