



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: 15341
LAB NAME: **DR.B LAL CLINICAL LABORATORY PVT LTD**

CONSTITUENT GROUP

Chemistry I

Date of Result Entered: 20/09/2024

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	Hexokinase	Any Analyser (Automation / Semi Automation)	188	102.14	4.99	5.1	106 mg/dL	0.76	0.74
2	UREA	Urease UV / GLDH	Transasia / Erba	1134	57.62	7.22	4.16	61.9 mg/dL	1.03	0.25
3	CREATININE	Enzymatic Colorimetric	Transasia / Erba	302	3.97	4.2	0.17	3.74 mg/dL	-1.35	0.02
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Transasia / Erba	1153	3.75	8.87	0.33	3.67 mg/dL	-0.24	0.02
5	T-PROTEIN	Biuret - Colorimetric	Transasia / Erba	1162	5.49	7.09	0.39	5.96 g/dL	1.21	0.02
6	ALBUMIN	BCG - colorimetric	Transasia / Erba	1143	3.34	5.16	0.17	3.47 g/dL	0.76	0.01
7	CALCIUM	Arsenazo III	Transasia / Erba	814	9.42	6.53	0.61	10.4 mg/dL	1.61	0.04
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Transasia / Erba	575	4.08	11.5	0.47	4.4 mg/dL	0.68	0.04
9	URIC ACID	Enzymatic / Uricase Colorimetric	Transasia / Erba	1143	4.61	7.99	0.37	5.1 mg/dL	1.32	0.02
10	CHOLESTEROL	CHOD-PAP	Transasia / Erba	1175	107.49	7.76	8.34	112 mg/dL	0.54	0.49
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Transasia / Erba	1136	94.7	9.78	9.27	95.1 mg/dL	0.04	0.55
12	HDL	Precipitation method	Any Analyser (Automation / Semi Automation)	153	27.19	17.61	4.79	29.8 mg/dL	0.54	0.77
13	SODIUM	ISE - Indirect	Any Analyser	558	134.48	2.82	3.79	137.5 mmol/L	0.8	0.32
14	POTASSIUM	ISE - Indirect	Any Analyser	558	3.39	5.73	0.19	3.7 mmol/L	1.63	0.02
15	CHLORIDE	ISE - Indirect	Any Analyser	407	98.07	4.07	4	97.5 mmol/L	-0.14	0.4
16	AST	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	1105	31.99	11.87	3.8	33.8 U/L	0.48	0.23
17	ALT	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	1113	39.97	15.43	6.17	44.1 U/L	0.67	0.37
18	ALP	PNP AMP kinetic	Transasia / Erba	1067	113.2	15.25	17.26	114 U/L	0.05	1.06



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						CV	SDPA			
19	IRON	Ferrene (No Protein Removal)	Any Analyser (Automation / Semi Automation)	161	87.49	14.62	12.79	79.3 ug/dL	-0.64	2.02

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

DR.B LAL CLINICAL LABORATORY PVT LTD,
C-82, PARK, NEAR SHASTRI CIRCLE SECTOR-C
SHASTRI NAGAR,
Jodhpur,

Coordinator Contact Details:

E-Mail: 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 *****

Pamela Christudoss

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



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HbA1c

Date of Result Entered: 20/09/2024

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	Turbidimetric Inhibition Immunoassay	Any Analyser	665	6.91	8.27	0.57	7.28 %	0.65	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)

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