



CHRISTIAN MEDICAL COLLEGE

VELLORE, TAMIL NADU - 632004. INDIA

DEPARTMENT OF CLINICAL BIOCHEMISTRY CMC EXTERNAL QUALITY ASSURANCE SCHEME



PC-1024

MONTHLY SUMMARY REPORT - JULY 2024

LAB NO: 14148

LAB NAME: **BHARATHI DIAGNOSTICS**

CONSTITUENT GROUP

Chemistry I

Date of Result Entered: 15/07/2024

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	Transasia / Erba	1145	130.73	5.95	7.78	142 mg/dL	1.45	0.46
2	UREA	Urease UV / GLDH	Transasia / Erba	1105	48.2	8.15	3.93	51 mg/dL	0.71	0.24
3	CREATININE	Enzymatic Colorimetric	Transasia / Erba	585	2.55	5.85	0.15	2.5 mg/dL	-0.33	0.01
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Transasia / Erba	1124	7.44	9.49	0.71	6.76 mg/dL	-0.96	0.04
5	T-PROTEIN	Biuret - Colorimetric	Transasia / Erba	1139	5.48	6.96	0.38	4.9 g/dL	-1.53	0.02
6	ALBUMIN	BCG - colorimetric	Transasia / Erba	1113	3.3	5.34	0.18	3.4 g/dL	0.56	0.01
7	CALCIUM	Arsenazo III	Transasia / Erba	805	9.69	6.91	0.67	10.2 mg/dL	0.76	0.05
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Transasia / Erba	580	8.11	9.36	0.76	7.93 mg/dL	-0.24	0.06
9	URIC ACID	Enzymatic / Uricase Colorimetric	Transasia / Erba	1113	8.89	8.15	0.72	8.8 mg/dL	-0.12	0.04
10	CHOLESTEROL	CHOD-PAP	Transasia / Erba	1142	101.05	8.95	9.05	100 mg/dL	-0.12	0.54
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Transasia / Erba	1111	104.6	9.84	10.29	102 mg/dL	-0.25	0.62
12	HDL	Direct method / Enzymatic colorimetric	Transasia / Erba	902	25.22	10.97	2.77	26 mg/dL	0.28	0.18
13	SODIUM	ISE - Indirect	Any Analyser	554	133.03	2.93	3.9	137 mmol/L	1.02	0.33
14	POTASSIUM	ISE - Indirect	Any Analyser	549	3.82	4.93	0.19	3.9 mmol/L	0.42	0.02
15	CHLORIDE	ISE - Indirect	Any Analyser	411	97.12	4.18	4.06	94 mmol/L	-0.77	0.4
16	AST	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	1078	108.43	10.53	11.41	102 U/L	-0.56	0.7
17	ALT	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	1086	49.65	20.83	10.34	51 U/L	0.13	0.63
18	ALP	PNP AMP kinetic	Transasia / Erba	1045	160.62	17.84	28.65	232 U/L	2.49	1.77
19	AMYLASE	CNPG3	Transasia / Erba	544	34.21	17.59	6.02	31 U/L	-0.53	0.52



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						CV	SDPA			
20	IRON	Ferro Zine (No Protein Removal)	Transasia / Erba	80	131.52	14.83	19.5	57.7 ug/dL	-3.79	4.36
21	MAGNESIUM	Xylidyl Blue	Transasia / Erba	119	2.77	22.05	0.61	3.5 mg/dL	1.2	0.11

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

BHARATHI DIAGNOSTICS,
50/760/A/127/10, GAYATRI ESTATE,
Kurnool,
Andra Pradesh

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

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



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HbA1c

Date of Result Entered: 15/07/2024

Date of Result Published: 08/08/2024

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)	709	6.58	3.51	0.23	7 %	1.83	0.02

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)

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