



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



MONTHLY SUMMARY REPORT - JULY 2024

LAB NO: 13364
LAB NAME: MEHLA CLINICAL LABORATORY

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	148 mg/dL	2.93	0.4
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	1167	47.2	9.02	4.26	55 mg/dL	1.83	0.25
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Any Analyser (Automation / Semi Automation)	965	2.37	11.19	0.27	2.9 mg/dL	1.96	0.02
4	T.BILIRUBIN	Others (DPD, Vanadate Oxidation)	Any Analyser (Automation / Semi Automation)	313	7.33	11.02	0.81	8.7 mg/dL	1.69	0.09
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	1263	5.36	6.93	0.37	5.2 g/dL	-0.43	0.02
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	1229	3.2	9.36	0.3	3.4 g/dL	0.67	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	1045	9.57	5.48	0.52	8.2 mg/dL	-2.63	0.03
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation)	504	7.73	15.8	1.22	7.1 mg/dL	-0.52	0.11
9	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	1257	8.62	8.52	0.73	9.4 mg/dL	1.07	0.04
10	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	1267	107.3	7.74	8.31	107 mg/dL	-0.04	0.47
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation)	1238	124.92	9.56	11.94	137 mg/dL	1.01	0.68
12	HDL	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation)	1015	24.41	12.04	2.94	22.8 mg/dL	-0.55	0.18
13	SODIUM	OTHERS (Any Other Principles / Methods)	Any Analyser (Automation / Semi Automation)	497	128.48	1.98	2.55	132 mmol/L	1.38	0.23
14	POTASSIUM	OTHERS (Any Other Principles / Methods)	Any Analyser (Automation / Semi Automation)	502	3.78	4.16	0.16	3.8 mmol/L	0.12	0.01



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15	CHLORIDE	OTHERS (Any Other Principles / Methods)	Any Analyser (Automation / Semi Automation)	438	101.35	3.16	3.2	94.7 mmol/L	-2.08	0.31
16	BICARBONATE	Enzymatic - PEPC (Phosphoenolpyruvate)	Any Analyser (Automation / Semi Automation)	254	21.29	14.96	3.19	24.3 mmol/L	0.94	0.4
17	AST	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1212	109.92	9.49	10.43	146 U/L	3.46	0.6
18	ALT	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1215	48.79	16.89	8.24	45 U/L	-0.46	0.47
19	ALP	PNP AMP kinetic	Any Analyser (Automation / Semi Automation)	1019	167.04	13.87	23.17	191 U/L	1.03	1.45
20	AMYLASE	CNPG3	CPC (Turbochem 100 / 240 Prime)	31	41.49	20.25	8.4	46 U/L	0.54	3.02
21	IRON	Ferro Zine (No Protein Removal)	Any Analyser (Automation / Semi Automation)	425	149.81	1.63	2.44	141.5 ug/dL	-3.41	0.24
22	MAGNESIUM	Xylidyl Blue	Any Analyser (Automation / Semi Automation)	248	2.7	17.86	0.48	2.85 mg/dL	0.31	0.06
23	UIBC	Nitroso-PSAP	Beckman AU480/680/5800/DXC70 0AU	53	101.35	11.38	11.54	112.5 ug/dL	0.97	3.17
24	LITHIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	41	1.22	19.2	0.23	1 mmol/L	-0.96	0.07



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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

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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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MONTHLY SUMMARY REPORT - JULY 2024

LAB NO: 13364
LAB NAME: **MEHLA CLINICAL LABORATORY**

CONSTITUENT GROUP
HbA1c

PT Item: Lyophilized human whole blood based

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

S. No.	Analyte	Method / Principle	Analyser	No. of Participants	AV	Participants		Your Value	Z Score	u*
						CV	SDPA			
1	HbA1c	OTHERS (Any Other Principles / Methods)	Any Analyser (Automation / Semi Automation)	395	7.46	15.04	1.12	5.8 %	-1.48	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)

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