



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



PG-1024

MONTHLY SUMMARY REPORT - AUGUST 2024

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

CONSTITUENT GROUP
Chemistry I

Date of Result Entered: 14/08/2024

Date of Result Published: 02/09/2024

PT Item: Lyophilized human serum based

S. No.	Analyte	Method / Principle	Analyser	No. of Participants	AV	Participants		Your Value	Z Score	u*
						CV	SDPA			
15	CHLORIDE	OTHERS (Any Other Principles / Methods)	Any Analyser (Automation / Semi Automation)	438	101.48	3.05	3.09	98.1 mmol/L	-1.09	0.3
16	BICARBONATE	Enzymatic - PEPC (Phosphoenolpyruvate)	Any Analyser (Automation / Semi Automation)	252	21.63	12.67	2.74	22.9 mmol/L	0.46	0.35
17	AST	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1225	57.63	17.05	9.82	58 U/L	0.04	0.56
18	ALT	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1229	100.12	20.54	20.56	110 U/L	0.48	1.17
19	ALP	PNP AMP kinetic	Any Analyser (Automation / Semi Automation)	1028	109.51	17.59	19.27	117 U/L	0.39	1.2
20	AMYLASE	CNPG3	Any Analyser (Automation / Semi Automation)	600	77.82	20.91	16.27	77 U/L	-0.05	1.33
21	IRON	Ferro Zine (No Protein Removal)	Any Analyser (Automation / Semi Automation)	427	122.31	3.22	3.93	120.5 ug/dL	-0.46	0.38
22	MAGNESIUM	Xylidyl Blue	Any Analyser (Automation / Semi Automation)	243	2.27	18.9	0.43	2.31 mg/dL	0.09	0.05
23	UIBC	Nitroso-PSAP	Beckman AU480/680/5800/DXC70 0AU	59	124.12	6.78	8.42	137.5 ug/dL	1.59	2.19
24	LITHIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	35	0.94	22.93	0.22	0.88 mmol/L	-0.27	0.07



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1	GLUCOSE	GOD-POD	Any Analyser (Automation / Semi Automation)	1312	172.26	6.18	10.64	198 mg/dL	2.42	0.59
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	1176	94.01	7.55	7.1	87 mg/dL	-0.99	0.41
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Any Analyser (Automation / Semi Automation)	970	3.77	9.84	0.37	3.94 mg/dL	0.46	0.02
4	T.BILIRUBIN	Others (DPD, Vanadate Oxidation)	Any Analyser (Automation / Semi Automation)	320	4.08	12.82	0.52	4 mg/dL	-0.15	0.06
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	1277	5.2	7.8	0.41	5 g/dL	-0.49	0.02
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	1248	3.18	7.77	0.25	2.6 g/dL	-2.32	0.01
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	1041	9.27	5.45	0.51	8.6 mg/dL	-1.31	0.03
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation)	498	4.79	14.32	0.69	4.1 mg/dL	-1	0.06
9	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	1270	5.96	11.88	0.71	5.8 mg/dL	-0.23	0.04
10	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	1276	103.57	7.7	7.97	92 mg/dL	-1.45	0.45
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation)	1251	171.05	7.52	12.86	194 mg/dL	1.78	0.73
12	HDL	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation)	1021	25.02	12.74	3.19	23 mg/dL	-0.63	0.2
13	SODIUM	OTHERS (Any Other Principles / Methods)	Any Analyser (Automation / Semi Automation)	502	132.42	2.17	2.88	135 mmol/L	0.9	0.26
14	POTASSIUM	OTHERS (Any Other Principles / Methods)	Any Analyser (Automation / Semi Automation)	506	4.69	3.82	0.18	4.9 mmol/L	1.17	0.02



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						CV	SDPA			

Z-Score	Interpretation
$ z \leq 2.0$	Acceptable
$2.0 < z < 3.0$	Warning Signal
$ z \geq 3.0$	Unacceptable (Action Signal)

u* - method of uncertainty

LAB ADDRESS

MEHLA CLINICAL LABORATORY,
INSIDE VIRK HOSPITAL, 363-364 RANDHIR LANE,
Karnal,
Haryana

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

Monthly Report

Report @ August - 2024

Select a Month

Z-Score (|z|) Interpretation

$|z| \leq 2.0$ Acceptable

$2.0 < |z| < 3.0$ Warning Signal

$|z| \geq 3.0$ Unacceptable (action Signal)

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Search:

Show 10 entries

S.No.	Analyte	Method / Principle	Analyser	No of Participants	AV	CV	Participants SDPA	Your Result	Unit	Z score	u*
1	HbA1c	OTHERS (Any Other Principles / Methods)	Any Analyser (Automation / Semi Automation)	398	6.25	11.14	0.7	5.3	%	-1.36	0.07

Showing 1 to 1 of 1 entries

u* - method of uncertainty

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