



CHRISTIAN MEDICAL COLLEGE

VELLORE, TAMIL NADU - 632004. INDIA

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME



PC-1024

MONTHLY SUMMARY REPORT - AUGUST 2024

LAB NO: 9750

LAB NAME: **NEST DIAGNOSTICS**

CONSTITUENT GROUP

Chemistry I

Date of Result Entered: 07/08/2024

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			
1	GLUCOSE	GOD-POD	Any Analyser (Automation / Semi Automation)	1312	172.26	6.18	10.64	168 mg/dL	-0.4	0.59
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	1176	94.01	7.55	7.1	101 mg/dL	0.98	0.41
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Any Analyser (Automation / Semi Automation)	970	3.77	9.84	0.37	3.8 mg/dL	0.08	0.02
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Any Analyser (Automation / Semi Automation)	1170	3.92	12.66	0.5	4.64 mg/dL	1.44	0.03
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	1277	5.2	7.8	0.41	5.4 g/dL	0.49	0.02
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	1248	3.18	7.77	0.25	3 g/dL	-0.72	0.01
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	1041	9.27	5.45	0.51	9 mg/dL	-0.53	0.03
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation)	498	4.79	14.32	0.69	4.9 mg/dL	0.16	0.06
9	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	1270	5.96	11.88	0.71	5.9 mg/dL	-0.08	0.04
10	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	1276	103.57	7.7	7.97	105 mg/dL	0.18	0.45
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation)	1251	171.05	7.52	12.86	188 mg/dL	1.32	0.73
12	HDL	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation)	1021	25.02	12.74	3.19	26 mg/dL	0.31	0.2
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1499	134.52	3.11	4.18	137 mmol/L	0.59	0.22
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1499	4.73	5.63	0.27	4.3 mmol/L	-1.59	0.01



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15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	1210	100.09	4.17	4.17	101 mmol/L	0.22	0.24
16	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
17	ALT	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1229	100.12	20.54	20.56	108 U/L	0.38	1.17
18	ALP	PNP AMP kinetic	Any Analyser (Automation / Semi Automation)	1028	109.51	17.59	19.27	149 U/L	2.05	1.2
19	AMYLASE	CNPG3	Any Analyser (Automation / Semi Automation)	600	77.82	20.91	16.27	74 U/L	-0.23	1.33
20	MAGNESIUM	Xylidyl Blue	Any Analyser (Automation / Semi Automation)	243	2.27	18.9	0.43	2.9 mg/dL	1.47	0.05

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

NEST DIAGNOSTICS,
#21/7 VASANTHAPURA MAIN ROAD,
KONANAKUNTE CROSS,
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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 *****

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Christian Medical College, Vellore.