



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - MAY 2023



PC-1024

Lab Name **DISTRICT HOSPITAL ,VIDISHA** Lab No **7823**

Constituent Group **Chemistry I** Date of Result Entered : **18/05/2023**

PT item **Lyophilized human serum based** Date of Report Published : **05/06/2023**

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE	GOD-POD	Biosystems	326	247.21	5.82	14.38	264.98 mg/dL	1.24	1.59
2	UREA	Urease UV / GLDH	Biosystems	291	72.81	7.69	5.60	78.39 mg/dL	1.00	0.66
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Biosystems	236	1.57	10.57	0.17	1.58 mg/dL	0.06	0.02
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Biosystems	263	3.65	16.37	0.60	3.48 mg/dL	-0.28	0.07
5	T-PROTEIN	Biuret - Colorimetric	Biosystems	321	5.10	6.52	0.33	5.28 g/dL	0.54	0.04
6	ALBUMIN	BCG - colorimetric	Biosystems	306	3.01	7.47	0.22	3.37 g/dL	1.60	0.03
7	CALCIUM	Arsenazo III	Biosystems	210	9.47	8.16	0.77	9.53 mg/dL	0.08	0.11
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Biosystems	114	5.40	9.14	0.49	5.38 mg/dL	-0.04	0.09
9	URIC ACID	Enzymatic / Uricase Colorimetric	Biosystems	285	8.80	7.25	0.64	9.7 mg/dL	1.41	0.08
10	CHOLESTEROL	CHOD-PAP	Biosystems	303	109.12	6.54	7.14	114.39 mg/dL	0.74	0.82
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Biosystems	294	133.29	7.89	10.52	145.52 mg/dL	1.16	1.23
12	HDL	Direct method / Enzymatic colorimetric	Biosystems	227	25.55	14.05	3.59	28.78 mg/dL	0.90	0.48
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1209	134.44	3.09	4.16	125.7 mmol/L	-2.10	0.24
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1220	3.12	5.73	0.18	2.8 mmol/L	-1.79	0.01
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	1011	98.34	4.20	4.14	96.35 mmol/L	-0.48	0.26
16	AST	UV kinetic(with & without PLP (P-5-P))	Biosystems	294	155.53	11.40	17.74	164.47 U/L	0.50	2.07
17	ALT	UV kinetic(with & without PLP (P-5-P))	Biosystems	290	82.43	11.33	9.34	82.04 U/L	-0.04	1.10
18	ALP	PNP AMP kinetic	Biosystems	292	315.32	12.86	40.55	306.43 U/L	-0.22	4.75
19	AMYLASE	Enzymatic Colorimetric / G7PNP Blocked	Any Analyser (Automation / Semi Automation)	235	87.69	17.12	15.01	102.5 U/L	0.99	1.96
20	IRON	Ferro Zine (No Protein Removal)	Biosystems	57	81.44	9.44	7.69	72.26 ug/dL	-1.19	2.04

SDI Range	Interpretation
Within -1.00 to +1.00	Excellent.
Within ±1.01 to ±2.00	Good.
Within ±2.01 to ±2.99	Accept with caution. Warning Signal.
Beyond ±3.0	Unacceptable performance. Action Signal.

LAB ADDRESS :

DISTRICT HOSPITAL ,VIDISHA
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VIDISHA
MADHYA PRADESH464001

Coordinator Contact Details:
Email: clinqc@cmcvellore.ac.in
Contact Number: 0416-2283102

Pamela Christudoss

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

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 *******