



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - MAY 2023



PC-1024

Lab Name **BANARAS HINDU UNIVERSITY** Lab No **3024**
 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	271.9 mg/dL	1.72	1.59
2	UREA	Urease UV / GLDH	Biosystems	291	72.81	7.69	5.60	70.3 mg/dL	-0.45	0.66
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Biosystems	236	1.57	10.57	0.17	1.57 mg/dL	0.00	0.02
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Biosystems	263	3.65	16.37	0.60	3.78 mg/dL	0.22	0.07
5	T-PROTEIN	Biuret - Colorimetric	Biosystems	321	5.10	6.52	0.33	5.59 g/dL	1.47	0.04
6	ALBUMIN	BCG - colorimetric	Biosystems	306	3.01	7.47	0.22	3.15 g/dL	0.62	0.03
7	CALCIUM	Arsenazo III	Biosystems	210	9.47	8.16	0.77	10.67 mg/dL	1.55	0.11
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Biosystems	114	5.40	9.14	0.49	6.42 mg/dL	2.06	0.09
9	URIC ACID	Enzymatic / Uricase Colorimetric	Biosystems	285	8.80	7.25	0.64	8.42 mg/dL	-0.60	0.08
10	CHOLESTEROL	CHOD-PAP	Biosystems	303	109.12	6.54	7.14	118 mg/dL	1.24	0.82
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Biosystems	294	133.29	7.89	10.52	142 mg/dL	0.83	1.23
12	HDL	Direct method / Enzymatic colorimetric	Biosystems	227	25.55	14.05	3.59	22.3 mg/dL	-0.91	0.48
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1209	134.44	3.09	4.16	138.9 mmol/L	1.07	0.24
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1220	3.12	5.73	0.18	3.21 mmol/L	0.50	0.01
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	1011	98.34	4.20	4.14	96.3 mmol/L	-0.49	0.26
16	AST	UV kinetic(with & without PLP (P-5-P))	Biosystems	294	155.53	11.40	17.74	200.6 U/L	2.54	2.07
17	ALT	UV kinetic(with & without PLP (P-5-P))	Biosystems	290	82.43	11.33	9.34	94.4 U/L	1.28	1.10
18	ALP	PNP DEA kinetic	Any Analyser (Automation / Semi Automation)	391	348.86	17.23	60.10	469 U/L	2	6.08
19	AMYLASE	CNPG3	Biosystems	102	88.66	17.40	15.43	106.8 U/L	1.18	3.05
20	IRON	Ferro Zine (No Protein Removal)	Biosystems	57	81.44	9.44	7.69	87.1 ug/dL	0.74	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 :

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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 *******