



# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - DECEMBER 2023



PC-1024

Lab Name **CIVIL HOSPITAL, ASHTA** Lab No **15654**  
 Constituent Group **Chemistry I** Date of Result Entered : **09/12/2023**  
 PT item **Lyophilized human serum based** Date of Report Published : **02/01/2024**

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE	GOD-POD	Biosystems	308	200.47	5.48	11.00	200.46 mg/dL	0.00	1.25
2	UREA	Urease UV / GLDH	Biosystems	316	102.94	7.66	7.88	104.17 mg/dL	0.16	0.89
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Biosystems	232	7.19	7.90	0.57	7.15 mg/dL	-0.07	0.07
4	T.BILIRUBIN	Diazonium salt ( Colorimetric ) / Jendrassik	Biosystems	243	1.70	16.02	0.27	1.21 mg/dL	-1.81	0.03
5	T-PROTEIN	Biuret - Colorimetric	Biosystems	310	5.56	6.42	0.36	5.38 g/dL	-0.50	0.04
6	ALBUMIN	BCG - colorimetric	Biosystems	287	3.26	6.48	0.21	3.35 g/dL	0.43	0.02
7	CALCIUM	Arsenazo III	Biosystems	227	10.87	7.45	0.81	11.55 mg/dL	0.84	0.11
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Biosystems	109	5.98	8.77	0.52	5.05 mg/dL	-1.77	0.10
9	URIC ACID	Enzymatic / Uricase Colorimetric	Biosystems	322	7.53	7.98	0.60	7.19 mg/dL	-0.57	0.07
10	CHOLESTEROL	CHOD-PAP	Biosystems	328	123.45	7.14	8.81	119.7 mg/dL	-0.43	0.97
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Biosystems	319	116.00	9.71	11.26	109.6 mg/dL	-0.57	1.26
12	HDL	Direct method / Enzymatic colorimetric	Biosystems	232	28.60	12.06	3.45	32.3 mg/dL	1.07	0.45
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation )	1288	133.11	3.15	4.19	131.97 mmol/L	-0.27	0.23
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation )	1296	4.67	5.39	0.25	4.55 mmol/L	-0.48	0.01
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation )	1055	101.34	3.81	3.86	103.35 mmol/L	0.52	0.24
16	AST	UV kinetic(with & without PLP (P-5-P))	Biosystems	308	99.16	11.41	11.31	122.25 U/L	2.04	1.29
17	ALT	UV kinetic(with & without PLP (P-5-P))	Biosystems	304	57.67	10.83	6.25	49.7 U/L	-1.28	0.72
18	ALP	PNP AMP kinetic	Biosystems	284	161.27	12.15	19.60	186.55 U/L	1.29	2.33
19	AMYLASE	Enzymatic Colorimetric / G7PNP Blocked	Any Analyser (Automation / Semi Automation )	227	111.99	18.83	21.09	120.36 U/L	0.40	2.80
20	IRON	Ferro Zine ( No Protein Removal )	Biosystems	70	77.64	9.99	7.76	79.44 ug/dL	0.23	1.85

SDI Range	Interpretation
Within -1.00 to +1.00	Excellent.

Within $\pm 1.01$ to $\pm 2.00$	Good.
Within $\pm 2.01$ to $\pm 2.99$	Accept with caution. Warning Signal.
Beyond $\pm 3.0$	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 \*\*\*\*\***