



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - DECEMBER 2022



PC-1024

Lab Name BHARATH DIAGNOSTIC & DIGITAL X-RAYS

Lab No 0104

Constituent Group Chemistry I

Date of Result Entered : 17/12/2022

PT Item Lyophilized Serum

Date of Report Published : 05/01/2023

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE	GOD-POD	Any Analyser (Automation / Semi Automation)	778	177.34	6.73	11.94	178.3 mg/dL	0.08	0.86
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	669	97.61	9.28	9.06	108.1 mg/dL	1.16	0.70
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Any Analyser (Automation / Semi Automation)	553	3.12	9.95	0.31	2.1 mg/dL	-3.29	0.03
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Any Analyser (Automation / Semi Automation)	660	3.08	13.61	0.42	2.9 mg/dL	-0.43	0.03
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	768	5.14	9.06	0.47	5.5 g/dL	0.77	0.03
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	728	3.14	7.62	0.24	3 g/dL	-0.59	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	605	9.98	7.54	0.75	12 mg/dL	2.68	0.06
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation)	434	4.25	13.66	0.58	5.6 mg/dL	2.32	0.06
9	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	760	6.82	11.41	0.78	6.9 mg/dL	0.10	0.06
10	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	766	104.48	8.52	8.90	119 mg/dL	1.63	0.64
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation)	747	175.51	9.45	16.59	176.4 mg/dL	0.05	1.21
12	HDL	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation)	530	26.84	16.01	4.30	22.3 mg/dL	-1.06	0.37
13	SODIUM	ISE - Indirect	Any Analyser	594	134.69	2.78	3.75	135 mmol/L	0.08	0.31
14	POTASSIUM	ISE - Indirect	Any Analyser	582	3.12	5.43	0.17	3.3 mmol/L	1.07	0.01
15	CHLORIDE	ISE - Indirect	Any Analyser	444	96.64	4.18	4.04	101 mmol/L	1.08	0.38
16	ALP	PNP AMP kinetic	Any Analyser (Automation / Semi Automation)	556	71.44	19.60	14.00	59.8 U/L	-0.83	1.19
17	AMYLASE	CNPG3	Any Analyser (Automation / Semi Automation)	466	43.74	18.22	7.97	41.2 U/L	-0.32	0.74

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External Quality Assurance Scheme - Print Monthly Summary

18	IRON	Ferrene (No Protein Removal)	Any Analyser (Automation / Semi Automation)	116	119.84	14.35	17.20	106.2 ug/dL	-0.79	3.19
19	MAGNESIUM	Xylidyl Blue	Any Analyser (Automation / Semi Automation)	193	1.91	15.94	0.30	2 mg/dL	0.30	0.04

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.

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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 *****