



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - FEBRUARY 2024



PC-1024

Lab Name **HEERA DINKAR MEMORIAL MEDICAL RESEARCH FOUNDATION**

Lab No **4077**

Constituent Group **Chemistry I**

Date of Result Entered : **20/02/2024**

PT item **Lyophilized human serum based**

Date of Report Published : **05/03/2024**

SI.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	AV	Participants		Your Value	Z Score	u*
						CV	SDPA			
1	GLUCOSE	GOD-POD	Any Analyser (Automation / Semi Automation)	1176	251.29	4.97	12.48	288 mg/dL	2.94	0.73
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	1061	61.45	11.98	7.36	63 mg/dL	0.21	0.45
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Any Analyser (Automation / Semi Automation)	882	5.26	7.26	0.38	5.27 mg/dL	0.03	0.03
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Any Analyser (Automation / Semi Automation)	1022	2.84	16.53	0.47	3.67 mg/dL	1.77	0.03
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	1176	5.38	6.46	0.35	5.45 g/dL	0.20	0.02
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	1142	3.21	9.82	0.32	3.7 g/dL	1.56	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	990	10.20	6.91	0.70	8.98 mg/dL	-1.73	0.04
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation)	400	3.80	12.99	0.49	4 mg/dL	0.40	0.05
9	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	1129	7.69	8.54	0.66	7.13 mg/dL	-0.85	0.04
10	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	1179	114.96	5.67	6.52	123 mg/dL	1.23	0.38
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation)	1106	191.25	6.15	11.77	148 mg/dL	-3.68	0.71
12	HDL	Precipitation method	Any Analyser (Automation / Semi Automation)	116	29.14	14.15	4.12	34 mg/dL	1.18	0.77
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1320	127.25	3.44	4.38	122 mmol/L	-1.20	0.24
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1314	4.73	5.28	0.25	4.9 mmol/L	0.68	0.01
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	1025	97.11	3.90	3.79	100 mmol/L	0.76	0.24

16	AST	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1125	73.02	10.41	7.60	62 U/L	-1.45	0.45
17	ALT	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1108	94.73	14.64	13.87	70 U/L	-1.78	0.83
18	ALP	PNP AMP kinetic	Any Analyser (Automation / Semi Automation)	942	91.60	11.35	10.40	90 U/L	-0.15	0.68
19	AMYLASE	CNPG3	Any Analyser (Automation / Semi Automation)	510	66.74	18.69	12.47	65 U/L	-0.14	1.10
20	IRON	Ferrene (No Protein Removal)	Any Analyser (Automation / Semi Automation)	137	120.75	14.25	17.21	100 ug/dL	-1.21	2.94
21	MAGNESIUM	Xylidyl Blue	Any Analyser (Automation / Semi Automation)	201	2.76	17.42	0.48	1.67 mg/dL	-2.27	0.07

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)

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Homogeneity and Stability of the sample is passed.
 Data in CMC EQAS reports is confidential
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 ***** End of Report *****