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External Quality Assurance Scheme - Print Monthly Summary



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - OCTOBER 2022



PC-1024

Lab Name HEALTHHEART DIAGNOSTICS

Lab No

16109

Constituent Group Chemistry I

Date of Result Entered :

19/10/2022

PT Item Lyophilized Serum

Date of Report Published :

03/11/2022

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Sl.No	Analyte	Method / Principle Name	Analyzer Make	No. of Participants	CV	Participants CV	SD	Year Value	SDI	U
1	GLUCOSE	GOD-POD	Mindray	192	112.72	5.86	6.60	103.5 mg/dL	-1.40	0.95
2	UREA	Urease UV / GLDH	Mindray	235	129.02	7.49	9.66	133 mg/dL	0.41	1.26
3	CREATININE	Enzymatic Colorimetric	Mindray	71	8.80	6.54	0.56	8.2 mg/dL	-0.71	0.13
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Mindray	205	5.54	10.49	0.58	5.04 mg/dL	-0.86	0.08
5	T-PROTEIN	Biuret - Colorimetric	Mindray	244	5.48	7.03	0.38	5.5 g/dL	0.05	0.05
6	ALBUMIN	BCG - colorimetric	Mindray	228	3.36	7.21	0.24	3.2 g/dL	-0.66	0.03
7	CALCIUM	Arsenazo III	Mindray	192	10.84	7.15	0.78	10.5 mg/dL	-0.44	0.11
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Mindray	147	6.68	9.97	0.67	6.06 mg/dL	-0.93	0.11
9	URIC ACID	Enzymatic / Uricase Colorimetric	Mindray	241	6.06	8.60	0.52	6.1 mg/dL	0.08	0.07
10	CHOLESTEROL	CHOD-PAP	Mindray	249	110.37	6.54	7.22	111.6 mg/dL	0.17	0.91
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Mindray	238	136.98	7.93	10.87	135.3 mg/dL	-0.15	1.41
12	HDL	Direct method / Enzymatic colorimetric	Mindray	183	25.97	10.48	2.72	27.2 mg/dL	0.45	0.40
13	AST	UV kinetic (with & without PLP (P-5-P))	Mindray	222	37.45	9.82	3.68	38.2 U/L	0.20	0.49
14	ALT	UV kinetic (with & without PLP (P-5-P))	Mindray	211	309.33	16.40	50.72	339 U/L	0.58	6.98
15	ALP	PNP AMP kinetic	Mindray	168	230.13	14.46	33.27	195.9 U/L	-1.03	5.13

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 :

HEALTHHEART DIAGNOSTICS

HOUSE NO-7, HARDEV PURI, NATHU CHOWK

SHAHDARA DELHI-110093

Coordinator Contact Details:

Dr. Pamela Christudoss