



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY
CMC EXTERNAL QUALITY ASSURANCE SCHEME
MONTHLY SUMMARY REPORT - JULY 2022



PC-1024

Lab Name BHARATH DIAGNOSTIC & DIGITAL X-RAYS
Constituent Group Chemistry I
PT item Lyophilized Serum

Lab No 0104
Date of Result Entered : 18/07/2022
Date of Report Published : 05/08/2022

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)	761	304.55	7.92	24.11	323.4 mg/dL	0.78	1.75
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	660	127.13	10.44	13.28	133.5 mg/dL	0.48	1.03
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Any Analyser (Automation / Semi Automation)	536	4.30	10.61	0.46	4.59 mg/dL	0.64	0.04
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Any Analyser (Automation / Semi Automation)	593	1.13	23.80	0.27	0.8 mg/dL	-1.23	0.02
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	768	5.80	9.22	0.54	6 g/dL	0.37	0.04
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	744	3.50	8.24	0.29	4.6 g/dL	3.79	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	613	9.91	7.96	0.79	10.4 mg/dL	0.62	0.06
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation)	409	6.65	13.00	0.86	7 mg/dL	0.41	0.09
9	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	587	3.67	20.84	0.76	4 mg/dL	0.43	0.06
10	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	739	119.24	8.54	10.18	128.4 mg/dL	0.90	0.75
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation)	709	258.73	10.01	25.89	288.3 mg/dL	1.14	1.94
12	HDL	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation)	487	28.03	15.16	4.25	27.7 mg/dL	-0.08	0.39
13	SODIUM	ISE - Indirect	Any Analyser	588	139.38	3.25	4.53	143 mmol/L	0.80	0.37
14	POTASSIUM	ISE - Indirect	Any Analyser	615	5.03	6.82	0.34	4.96 mmol/L	-0.20	0.03
15	CHLORIDE	ISE - Indirect	Any Analyser	445	100.03	4.49	4.49	96.1 mmol/L	-0.87	0.43
16	ALP	PNP AMP kinetic	Any Analyser (Automation / Semi Automation)	480	212.77	14.81	31.52	237.3 U/L	0.78	2.88
17	AMYLASE	CNPG3	Any Analyser (Automation / Semi Automation)	392	293.40	16.25	47.68	283 U/L	-0.22	4.82
18	IRON	Ferrene (No Protein Removal)	Any Analyser (Automation / Semi Automation)	110	119.94	11.24	13.48	221.3	7.52	2.57

VIEW LAB MONTHLY SUMMARY

Lab Name	BHARATH DIAGNOSTIC & DIGITAL X-RAYS		Details About Robust Analysis							
Lab No	0104		Detail About Monthly Summary							
Month	July		Detail about SDI							
Year	2022									
Constituent Group	Thyroid Hormones & Cortisol									
Click on the analyte to view Graphical Data			All Analyser Result		Print					
			Date of Result Entered : 18/07/2022							
			Date of Report Published : 05/08/2022							
Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	TOTAL THYROXINE	CLIA- Chemiluminescence immunoassay / CMIA	Any Analyser	270	6.38	13.15	0.84	6.44 ug/dL	0.07	0.10
2	FREE THYROXINE	CLIA- Chemiluminescence immunoassay / CMIA	Any Analyser	159	1.41	15.08	0.21	1.6 ng/dL	0.89	0.03
3	TSH	CLIA- Chemiluminescence immunoassay / CMIA	Any Analyser	315	2.31	10.76	0.25	2 uIU/mL	-1.25	0.03
4	TOTAL T3	CLIA- Chemiluminescence immunoassay / CMIA	Any Analyser	247	101.66	12.19	12.39	124.5 ng/dL	1.84	1.58
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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