



CHRISTIAN MEDICAL COLLEGE
DEPARTMENT OF CLINICAL BIOCHEMISTRY
CMC EXTERNAL QUALITY ASSURANCE SCHEME

All Analyser Summary Report - March 2024

Lab Name	DP BORA SUPERSPECIALITY HOSPITAL	Lab No	20048
Constituent Group	Chemistry I	Date of Result Entered	
PT item	Lyophilized human serum based	Date of Report Published	06/04/2024

Sl.No	Constituent Name	Method / Principle Name	Analyzer Name	No of Participants	AV	Participants		Your Value	Z Score	u*
						CV	SDPA			
1	GLUCOSE	GOD-POD	Siemens (Advia Series / Dimension Series)	28	170.49	4.66	7.95			3.00
			Mindray	258	172.15	4.75	8.18			1.02
			Biosystems	330	167.44	5.46	9.14			1.01
			Transasia / Erba	1019	176.25	5.91	10.41			0.65
			Agape	215	175.08	5.97	10.46			1.43
			Randox rX Series	43	176.57	4.41	7.78			2.37
			CPC (Turbochem 100 / 240 Prime)	74	171.01	6.66	11.40			2.65
			Any Analyser (Automation / Semi Automation)	1212	168.46	5.37	9.05			0.52
2	UREA	Urease UV / GLDH	Roche c111, c311, Integra 400, c501, c502, c503, c702	275	24.91	5.93	1.48			0.18
			Beckman AU480/680/5800/DXC700AU	183	25.47	5.16	1.32			0.19
			Siemens (Advia Series / Dimension Series)	103	24.27	7.13	1.73			0.34
			Abbott (Architect - c4000/c8000/c16000)	25	25.62	7.54	1.93			0.77
			Mindray	308	26.40	6.50	1.72			0.20
			Biosystems	314	24.80	10.71	2.66			0.30
			Transasia / Erba	1028	25.73	10.25	2.64			0.16
			Agape	228	26.15	8.09	2.12			0.28
			Randox rX Series	46	22.85	9.77	2.23			0.66
			CPC (Turbochem 100 / 240 Prime)	55	26.05	10.60	2.76			0.74
			Any Analyser (Automation / Semi Automation)	1028	26.16	11.14	2.91			0.18
			3	T-PROTEIN	Biuret - Colorimetric	Roche c111, c311, Integra 400, c501, c502, c503, c702	271	5.34	3.73	0.20
Beckman AU480/680/5800/DXC700AU	173	5.31				3.83	0.20			0.03
Siemens (Advia Series / Dimension Series)	109	5.46				4.29	0.23			0.04
Abbott (Architect - c4000/c8000/c16000)	26	5.66				2.93	0.17			0.07
Mindray	312	5.58				5.63	0.31			0.04
Biosystems	335	5.70				6.30	0.36			0.04
Transasia / Erba	1071	5.72				7.33	0.42			0.03
Agape	226	5.64				4.73	0.27			0.04
Randox rX Series	45	5.44				3.56	0.19			0.06
CPC (Turbochem 100 / 240 Prime)	65	5.45				8.51	0.46			0.12
Any Analyser (Automation / Semi Automation)	1188	5.74				6.49	0.37			0.02
4	ALBUMIN	BCG - colorimetric				Roche c111, c311, Integra 400, c501, c502, c503, c702	273	3.53	3.89	0.14
			Beckman AU480/680/5800/DXC700AU	177	3.36	3.42	0.12			0.02

		Siemens (Advia Series / Dimension Series)	43	3.24	5.18	0.17		0.05
		Abbott (Architect - c4000/c8000/c16000)	26	3.42	3.36	0.12		0.05
		Mindray	314	3.50	4.91	0.17		0.02
		Biosystems	319	3.41	7.90	0.27		0.03
		Transasia / Erba	1051	3.50	4.80	0.17		0.01
		Agape	215	3.62	5.33	0.19		0.03
		Randox rX Series	45	3.47	4.07	0.14		0.04
		CPC (Turbochem 100 / 240 Prime)	67	3.46	8.56	0.30		0.07
		Any Analyser (Automation / Semi Automation)	1165	3.51	7.61	0.27		0.02
5	CALCIUM	Arsenazo III	Beckman AU480/680/5800/DXC700AU	170	9.63	3.81	0.37	0.06
			Abbott (Architect - c4000/c8000/c16000)	23	9.37	2.80	0.26	0.11
			Mindray	255	9.66	6.96	0.67	0.08
			Biosystems	245	9.73	7.94	0.77	0.10
			Transasia / Erba	758	9.70	7.31	0.71	0.05
			Agape	172	10.05	5.32	0.54	0.08
			Randox rX Series	39	9.81	5.38	0.53	0.17
			CPC (Turbochem 100 / 240 Prime)	50	10.03	8.28	0.83	0.23
			Any Analyser (Automation / Semi Automation)	993	9.74	5.72	0.56	0.04
6	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Roche c111, c311, Integra 400, c501, c502, c503, c702	213	6.63	2.93	0.19	0.03
			Beckman AU480/680/5800/DXC700AU	133	6.62	4.17	0.28	0.05
			Siemens (Advia Series / Dimension Series)	55	6.71	4.55	0.30	0.08
			Abbott (Architect - c4000/c8000/c16000)	15	6.45	2.76	0.18	0.09
			Mindray	203	6.57	7.51	0.49	0.07
			Biosystems	121	6.68	10.78	0.72	0.13
			Transasia / Erba	511	6.64	10.34	0.69	0.06
			Agape	111	6.65	5.26	0.35	0.07
			Randox rX Series	27	6.25	7.19	0.45	0.17
			CPC (Turbochem 100 / 240 Prime)	30	6.27	9.74	0.61	0.22
			Any Analyser (Automation / Semi Automation)	414	6.48	11.26	0.73	0.07
7	CHOLESTEROL	CHOD-PAP	Roche c111, c311, Integra 400, c501, c502, c503, c702	275	114.12	3.73	4.25	0.51
			Beckman AU480/680/5800/DXC700AU	175	114.75	5.45	6.26	0.95
			Siemens (Advia Series / Dimension Series)	108	96.17	6.70	6.44	1.24
			Abbott (Architect - c4000/c8000/c16000)	25	115.03	4.36	5.01	2.01
			Mindray	311	112.71	6.29	7.08	0.80
			Biosystems	324	117.42	5.51	6.47	0.72
			Transasia / Erba	1071	111.23	8.30	9.24	0.56
			Agape	242	109.38	8.32	9.10	1.17
			Randox rX Series	45	121.14	6.81	8.25	2.46
			CPC (Turbochem 100 / 240 Prime)	69	117.81	9.66	11.39	2.74
			Any Analyser (Automation / Semi Automation)	1195	115.97	5.49	6.36	0.37

	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Roche c111, c311, Integra 400, c501, c502, c503, c702	254	99.70	4.21	4.20			0.53
			Beckman AU480/680/5800/DXC700AU	169	89.82	6.63	5.95			0.92
			Siemens (Advia Series / Dimension Series)	108	89.45	5.94	5.31			1.02
			Abbott (Architect - c4000/c8000/c16000)	24	96.41	6.31	6.08			2.48
			Mindray	310	96.77	6.90	6.68			0.76
			Biosystems	309	91.14	9.07	8.26			0.94
			Transasia / Erba	853	78.55	11.83	9.29			0.64
			Agape	217	91.69	7.88	7.22			0.98
			Randox rX Series	47	99.16	6.93	6.87			2.00
			CPC (Turbochem 100 / 240 Prime)	62	95.73	10.10	9.67			2.46
			Any Analyser (Automation / Semi Automation)	1151	95.64	7.93	7.59			0.45
9	SODIUM	ISE - Direct	Transasia / Erba	239	137.81	2.52	3.48			0.45
			Any Analyser (Automation / Semi Automation)	1339	137.32	2.73	3.75			0.20
			Roche/Hitachi 912 series	76	138.17	3.61	4.99			1.15
			Siemens Rapid Chem 744/754 series	9	139.76	3.55	4.97			3.31
10	POTASSIUM	ISE - Direct	Transasia / Erba	244	3.56	4.87	0.17			0.02
			Any Analyser (Automation / Semi Automation)	1366	3.58	4.83	0.17			0.01
			Roche/Hitachi 912 series	75	3.63	3.92	0.14			0.03
			Siemens Rapid Chem 744/754 series	9	3.66	4.42	0.16			0.11
11	CHLORIDE	ISE - Direct	Transasia / Erba	190	104.03	3.31	3.44			0.50
			Any Analyser (Automation / Semi Automation)	1112	103.75	3.60	3.74			0.22
			Roche/Hitachi 912 series	60	102.80	2.85	2.93			0.76
			Siemens Rapid Chem 744/754 series	8	104.34	2.12	2.21			1.56
12	LITHIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	24	1.52	14.75	0.22			0.09

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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