



CHRISTIAN MEDICAL COLLEGE  
DEPARTMENT OF CLINICAL BIOCHEMISTRY  
CMC EXTERNAL QUALITY ASSURANCE SCHEME  
All Analyser Summary Report - March 2023



PC-1024

Lab Name CENTRAL AYURVEDA RESEARCH INSTITUTE Lab No 17988  
Constituent Group Chemistry I Date of Result Entered 13/03/2023  
PT item Lyophilized human serum based Date of Report Published 04/04/2023

Sl.No	Constituent Name	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE	GOD-POD	Siemens ( Advia Series / Dimension Series )	28	323.58	5.57	18.04			6.82
			Mindray	225	329.71	5.61	18.51			2.47
			Biosystems	319	324.71	6.41	20.81			2.33
			Transasia / Erba	995	338.07	6.70	22.64	348.3 mg/dL	0.45	1.44
			Agape	184	332.90	5.98	19.91			2.94
			Randox rX Series	47	332.56	5.31	17.66			5.15
			CPC ( Turbochem 100 / 240 Prime )	67	332.12	6.64	22.05			5.39
			Any Analyser (Automation / Semi Automation )	977	308.99	10.65	32.90			2.10
2	UREA	Urease UV / GLDH	Roche C111, C311, Integra 400 plus, C501, C502, C702	300	56.77	5.60	3.18			0.37
			Beckman AU480/680/5800/DXC700AU	190	58.56	4.96	2.90			0.42
			Siemens ( Advia Series / Dimension Series )	121	58.75	4.91	2.88			0.52
			Mindray	267	59.71	6.37	3.80			0.47
			Biosystems	282	55.81	8.36	4.67			0.56
			Transasia / Erba	966	59.30	7.82	4.64	58 mg/dL	-0.28	0.30
			Agape	211	59.19	7.80	4.62			0.64
			Randox rX Series	46	57.65	8.02	4.62			1.36
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Roche C111, C311, Integra 400 plus, C501, C502, C702	260	2.00	6.06	0.12			0.02
			Beckman AU480/680/5800/DXC700AU	134	2.00	7.10	0.14			0.02
			Siemens ( Advia Series / Dimension Series )	104	2.07	6.37	0.13			0.03
			Mindray	143	1.94	6.74	0.13			0.02
			Biosystems	232	1.91	8.80	0.17			0.02
			Transasia / Erba	452	1.93	8.74	0.17	2.18 mg/dL	1.48	0.02
			Agape	111	1.87	9.93	0.19			0.04
			Randox rX Series	33	1.91	7.85	0.15			0.05
CPC ( Turbochem 100 / 240 Prime )	59	1.92	12.04	0.23			0.06			

			Any Analyser (Automation / Semi Automation )	795	1.84	14.24	0.26			0.02
4	T.BILIRUBIN	Diazonium salt ( Colorimetric ) / Jendrassik	Roche C111, C311, Integra 400 plus, C501, C502, C702	295	5.12	5.79	0.30			0.03
			Beckman AU480/680/5800/DXC700AU	144	5.72	3.87	0.22			0.04
			Siemens ( Advia Series / Dimension Series )	116	5.53	5.28	0.29			0.05
			Abbott ( Architect - c4000/c8000/c16000 )	10	6.14	8.87	0.55			0.34
			Mindray	221	5.43	8.71	0.47			0.06
			Biosystems	266	5.20	11.75	0.61			0.07
			Transasia / Erba	948	5.68	8.79	0.50	6.12 mg/dL	0.88	0.03
			Agape	178	5.52	9.41	0.52			0.08
			Randox rX Series	36	5.95	9.05	0.54			0.18
			CPC ( Turbochem 100 / 240 Prime )	68	5.31	11.44	0.61			0.15
			Any Analyser (Automation / Semi Automation )	927	5.66	12.32	0.70			0.05
5	T-PROTEIN	Biuret - Colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	300	4.95	4.43	0.22			0.03
			Beckman AU480/680/5800/DXC700AU	182	4.95	3.70	0.18			0.03
			Siemens ( Advia Series / Dimension Series )	119	5.07	3.46	0.18			0.03
			Mindray	279	5.25	6.60	0.35			0.04
			Biosystems	315	5.35	6.60	0.35			0.04
			Transasia / Erba	945	5.56	7.31	0.41	5.84 g/dL	0.69	0.03
			Agape	209	5.37	6.56	0.35			0.05
			Randox rX Series	48	5.09	6.54	0.33			0.10
			CPC ( Turbochem 100 / 240 Prime )	63	5.08	9.41	0.48			0.12
			Any Analyser (Automation / Semi Automation )	1082	5.49	10.00	0.55			0.03
6	ALBUMIN	BCG - colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	291	3.29	4.35	0.14			0.02
			Beckman AU480/680/5800/DXC700AU	179	3.11	4.53	0.14			0.02
			Siemens ( Advia Series / Dimension Series )	48	3.08	5.16	0.16			0.05
			Mindray	266	3.31	7.62	0.25			0.03
			Biosystems	267	3.17	7.15	0.23			0.03
			Transasia / Erba	964	3.29	5.81	0.19	3.34 g/dL	0.26	0.01
			Agape	199	3.50	6.38	0.22			0.03
			Randox rX Series	46	3.21	5.29	0.17			0.05
			CPC ( Turbochem 100 / 240 Prime )	55	3.27	8.43	0.28			0.07
			Any Analyser (Automation / Semi Automation )	751	3.31	7.29	0.24			0.02
7	CALCIUM	Arsenazo III	Beckman AU480/680/5800/DXC700AU	174	9.28	3.66	0.34			0.05
			Mindray	221	9.36	6.67	0.62			0.08
			Biosystems	191	9.38	7.83	0.74			0.11

			Transasia / Erba	656	9.60	7.79	0.75	9.5 mg/dL	-0.13	0.06
			Agape	159	9.71	6.31	0.61			0.10
			Randox rX Series	40	9.50	6.71	0.64			0.20
			CPC ( Turbochem 100 / 240 Prime )	47	9.59	6.40	0.61			0.18
			Any Analyser (Automation / Semi Automation )	909	9.37	7.83	0.73			0.05
8	URIC ACID	Enzymatic / Uricase Colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	291	3.69	4.34	0.16			0.02
			Beckman AU480/680/5800/DXC700AU	180	3.78	4.69	0.18			0.03
			Siemens ( Advia Series / Dimension Series )	115	3.79	4.46	0.17			0.03
			Mindray	233	3.81	7.79	0.30			0.04
			Biosystems	276	4.65	8.84	0.41			0.05
			Transasia / Erba	873	4.20	7.95	0.33	3.9 mg/dL	-0.90	0.02
			Agape	183	3.89	9.41	0.37			0.05
			Randox rX Series	46	3.73	7.93	0.30			0.09
			CPC ( Turbochem 100 / 240 Prime )	61	3.84	9.03	0.35			0.09
			Any Analyser (Automation / Semi Automation )	931	4.50	17.14	0.77			0.05
9	CHOLESTEROL	CHOD-PAP	Roche C111, C311, Integra 400 plus, C501, C502, C702	304	104.83	4.34	4.55			0.52
			Beckman AU480/680/5800/DXC700AU	182	105.89	5.66	6.00			0.89
			Siemens ( Advia Series / Dimension Series )	107	85.16	6.70	5.71			1.10
			Mindray	276	107.22	7.98	8.56			1.03
			Biosystems	313	107.53	8.27	8.89			1.01
			Transasia / Erba	964	102.64	8.73	8.96	100 mg/dL	-0.29	0.58
			Agape	224	102.93	8.27	8.52			1.14
			Randox rX Series	47	116.18	8.72	10.12			2.95
			CPC ( Turbochem 100 / 240 Prime )	62	104.96	8.62	9.05			2.30
			Any Analyser (Automation / Semi Automation )	1038	110.71	10.15	11.24			0.70
10	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Roche C111, C311, Integra 400 plus, C501, C502, C702	283	153.82	3.97	6.10			0.73
			Beckman AU480/680/5800/DXC700AU	179	144.64	5.97	8.64			1.29
			Siemens ( Advia Series / Dimension Series )	116	146.17	4.37	6.39			1.19
			Mindray	264	144.55	7.30	10.56			1.30
			Biosystems	290	144.19	7.60	10.95			1.29
			Transasia / Erba	887	126.73	8.24	10.45	122 mg/dL	-0.45	0.70
			Agape	213	138.28	7.41	10.25			1.41
			Randox rX Series	50	152.18	6.52	9.92			2.81
			CPC ( Turbochem 100 / 240 Prime )	64	134.01	9.91	13.28			3.32
			Any Analyser (Automation / Semi Automation )	1004	146.11	8.05	11.77			0.74

11	HDL	Direct method / Enzymatic colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	282	22.59	4.46	1.01			0.12
			Beckman AU480/680/5800/DXC700AU	169	24.14	6.89	1.66			0.26
			Siemens ( Advia Series / Dimension Series )	107	26.65	9.01	2.40			0.46
			Mindray	220	25.16	8.92	2.24			0.30
			Biosystems	211	27.00	14.20	3.83			0.53
			Transasia / Erba	724	26.13	10.66	2.79	27.2 mg/dL	0.38	0.21
			Agape	163	25.63	9.62	2.46			0.39
			Randox rX Series	44	23.45	10.71	2.51			0.76
			CPC ( Turbochem 100 / 240 Prime )	40	24.23	14.47	3.51			1.11
			Any Analyser (Automation / Semi Automation )	701	28.43	19.18	5.45			0.41
12	AST	UV kinetic(with & without PLP (P-5-P))	Roche C111, C311, Integra 400 plus, C501, C502, C702	291	69.81	6.24	4.35			0.51
			Beckman AU480/680/5800/DXC700AU	173	77.03	5.23	4.03			0.61
			Siemens ( Advia Series / Dimension Series )	109	85.46	6.80	5.81			1.11
			Mindray	256	71.79	9.25	6.64			0.83
			Biosystems	286	80.52	9.59	7.72			0.91
			Transasia / Erba	896	71.85	10.25	7.37	73.3 U/L	0.20	0.49
			Agape	203	67.58	9.27	6.26			0.88
			Randox rX Series	46	75.10	9.15	6.87			2.03
			CPC ( Turbochem 100 / 240 Prime )	54	71.41	10.20	7.28			1.98
			Any Analyser (Automation / Semi Automation )	1032	69.96	12.49	8.74			0.54
13	ALT	UV kinetic(with & without PLP (P-5-P))	Roche C111, C311, Integra 400 plus, C501, C502, C702	293	216.81	9.02	19.55			2.28
			Beckman AU480/680/5800/DXC700AU	175	229.71	7.46	17.15			2.59
			Siemens ( Advia Series / Dimension Series )	111	246.58	9.44	23.28			4.42
			Mindray	251	232.13	10.00	23.21			2.93
			Biosystems	279	236.99	10.23	24.24			2.90
			Transasia / Erba	889	211.96	13.23	28.05	231.3 U/L	0.69	1.88
			Agape	179	219.88	16.88	37.12			5.55
			Randox rX Series	42	239.81	12.02	28.83			8.90
			CPC ( Turbochem 100 / 240 Prime )	59	210.13	13.34	28.04			7.30
			Any Analyser (Automation / Semi Automation )	949	197.38	18.40	36.32			2.36
14	ALP	PNP AMP kinetic	Roche C111, C311, Integra 400 plus, C501, C502, C702	286	44.07	7.17	3.16			0.37
			Beckman AU480/680/5800/DXC700AU	172	45.66	10.63	4.85			0.74

		Siemens ( Advia Series / Dimension Series )	106	45.24	10.50	4.75			0.92
		Mindray	183	49.04	17.69	8.68			1.28
		Biosystems	269	49.56	15.66	7.76			0.95
		Transasia / Erba	726	38.85	21.99	8.54	39 U/L	0.02	0.63
		Agape	108	55.97	22.04	12.34			2.37
		Randox rX Series	36	41.90	13.24	5.55			1.85
		CPC ( Turbochem 100 / 240 Prime )	34	47.59	12.01	5.72			1.96
		Any Analyser (Automation / Semi Automation )	713	52.08	20.82	10.84			0.81

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:

CENTRAL AYURVEDA RESEARCH INSTITUTE  
CLINICAL LABORATORY, VIDYAMANDIR PATH, BHETAPARA, BARSOIAI, BELTOLA  
GUWAHATI  
ASSAM,781028

Coordinator Contact details:  
Email:clinqc@cmcvellore.ac.in  
Contact Number: 0416-2283102

*Pamela Christudoss*

Dr. Pamela Christudoss  
CMC EQAS Coordinator  
Christian Medical College,  
Vellore

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 \*\*\*\*\*