



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



PC-1024

Lab Name	CENTRAL AYURVEDA RESEARCH INSTITUTE	Lab No	17988
Constituent Group	Chemistry I	Date of Result Entered	09/02/2023
PT item	Lyophilized human serum based	Date of Report Published	08/03/2023

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)	29	122.21	5.10	6.23			2.31
			Mindray	222	121.24	5.10	6.18			0.83
			Biosystems	281	120.01	5.60	6.73			0.80
			Transasia / Erba	885	125.22	5.85	7.33	133 mg/dL	1.06	0.49
			Agape	187	121.28	5.94	7.20			1.05
			Randox rX Series	46	121.29	5.14	6.23			1.84
			CPC (Turbochem 100 / 240 Prime)	75	117.57	6.84	8.04			1.86
			Any Analyser (Automation / Semi Automation)	1075	123.23	8.16	10.05			0.61
2	UREA	Urease UV / GLDH	Roche C111, C311, Integra 400 plus, C501, C502, C702	299	130.40	5.03	6.55			0.76
			Beckman AU480/680/5800/DXC700AU	185	133.83	5.13	6.87			1.01
			Siemens (Advia Series / Dimension Series)	111	134.97	4.93	6.65			1.26
			Mindray	258	132.62	7.26	9.63			1.20
			Biosystems	266	122.91	7.27	8.93			1.10
			Transasia / Erba	859	133.49	7.29	9.73	135.6 mg/dL	0.22	0.66
			Agape	209	128.72	7.50	9.66			1.34
			Randox rX Series	46	129.31	6.75	8.72			2.57
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Roche C111, C311, Integra 400 plus, C501, C502, C702	261	5.20	4.63	0.24			0.03
			Beckman AU480/680/5800/DXC700AU	133	5.13	4.84	0.25			0.04
			Siemens (Advia Series / Dimension Series)	107	5.20	3.66	0.19			0.04
			Mindray	132	4.90	10.21	0.50			0.09
			Biosystems	230	4.82	10.05	0.48			0.06
			Transasia / Erba	430	4.87	8.52	0.42	5.24 mg/dL	0.89	0.04
			Agape	105	4.46	8.26	0.37			0.07
			Randox rX Series	29	4.71	8.69	0.41			0.15
			CPC (Turbochem 100 / 240 Prime)	56	5.10	7.96	0.41		0.11	

			Any Analyser (Automation / Semi Automation)	795	4.76	9.89	0.47			0.03
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Roche C111, C311, Integra 400 plus, C501, C502, C702	294	1.35	5.98	0.08			0.01
			Beckman AU480/680/5800/DXC700AU	137	1.63	3.75	0.06			0.01
			Siemens (Advia Series / Dimension Series)	116	1.47	7.56	0.11			0.02
			Mindray	211	1.38	12.14	0.17			0.02
			Biosystems	198	1.37	20.98	0.29			0.04
			Transasia / Erba	868	1.40	12.53	0.18	1.41 mg/dL	0.06	0.01
			Agape	161	1.45	12.86	0.19			0.03
			Randox rX Series	31	1.60	11.66	0.19			0.07
			CPC (Turbochem 100 / 240 Prime)	67	1.32	15.70	0.21			0.05
			Any Analyser (Automation / Semi Automation)	821	1.58	18.29	0.29			0.02
5	T-PROTEIN	Biuret - Colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	298	4.27	4.21	0.18			0.02
			Beckman AU480/680/5800/DXC700AU	177	4.20	3.78	0.16			0.02
			Siemens (Advia Series / Dimension Series)	120	4.37	3.50	0.15			0.03
			Mindray	256	4.49	6.46	0.29			0.04
			Biosystems	293	4.63	7.33	0.34			0.04
			Transasia / Erba	901	4.86	8.02	0.39	4.74 g/dL	-0.31	0.03
			Agape	203	4.62	6.82	0.32			0.04
			Randox rX Series	48	4.37	5.61	0.24			0.07
			CPC (Turbochem 100 / 240 Prime)	62	4.42	7.60	0.34			0.09
			Any Analyser (Automation / Semi Automation)	1100	4.63	9.80	0.45			0.03
6	ALBUMIN	BCG - colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	291	2.81	4.48	0.13			0.01
			Beckman AU480/680/5800/DXC700AU	172	2.69	4.91	0.13			0.02
			Siemens (Advia Series / Dimension Series)	48	2.70	5.77	0.16			0.04
			Mindray	260	2.88	8.12	0.23			0.03
			Biosystems	282	2.75	9.07	0.25			0.03
			Transasia / Erba	936	2.91	5.71	0.17	2.9 g/dL	-0.06	0.01
			Agape	195	3.14	6.59	0.21			0.03
			Randox rX Series	45	2.77	4.72	0.13			0.04
			CPC (Turbochem 100 / 240 Prime)	76	2.86	9.24	0.26			0.06
			Any Analyser (Automation / Semi Automation)	730	2.91	8.69	0.25			0.02
7	CALCIUM	Arsenazo III	Beckman AU480/680/5800/DXC700AU	170	10.63	2.96	0.32			0.05
			Mindray	222	10.61	6.12	0.65			0.09
			Biosystems	181	10.44	7.99	0.83			0.12
			Transasia / Erba	683	10.68	8.49	0.91	10.5 mg/dL	-0.20	0.07
			Agape	152	10.84	5.96	0.65			0.10

			Randox rX Series	38	10.61	4.41	0.47			0.15
			CPC (Turbochem 100 / 240 Prime)	57	10.91	7.71	0.84			0.22
			Any Analyser (Automation / Semi Automation)	896	10.41	6.97	0.72			0.05
8	URIC ACID	Enzymatic / Uricase Colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	292	6.89	3.74	0.26			0.03
			Beckman AU480/680/5800/DXC700AU	172	6.98	3.67	0.26			0.04
			Siemens (Advia Series / Dimension Series)	115	6.93	2.57	0.18			0.03
			Mindray	267	6.98	6.43	0.45			0.05
			Biosystems	277	7.55	7.72	0.58			0.07
			Transasia / Erba	855	7.64	7.82	0.60	7.2 mg/dL	-0.74	0.04
			Agape	210	7.31	7.47	0.55			0.08
			Randox rX Series	45	6.98	5.92	0.41			0.12
			CPC (Turbochem 100 / 240 Prime)	74	7.01	7.29	0.51			0.12
			Any Analyser (Automation / Semi Automation)	1011	6.92	10.14	0.70			0.04
9	CHOLESTEROL	CHOD-PAP	Roche C111, C311, Integra 400 plus, C501, C502, C702	304	95.15	3.73	3.55			0.41
			Beckman AU480/680/5800/DXC700AU	175	96.62	5.37	5.19			0.79
			Siemens (Advia Series / Dimension Series)	119	78.50	7.18	5.64			1.03
			Mindray	272	95.27	6.15	5.86			0.71
			Biosystems	285	97.78	7.29	7.13			0.84
			Transasia / Erba	916	93.41	8.38	7.82	91 mg/dL	-0.31	0.52
			Agape	220	92.59	8.46	7.83			1.06
			Randox rX Series	50	102.62	7.55	7.74			2.19
			CPC (Turbochem 100 / 240 Prime)	68	98.27	7.86	7.72			1.87
			Any Analyser (Automation / Semi Automation)	1046	98.66	7.43	7.33			0.45
10	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Roche C111, C311, Integra 400 plus, C501, C502, C702	282	92.92	4.95	4.60			0.55
			Beckman AU480/680/5800/DXC700AU	172	83.08	5.96	4.95			0.75
			Siemens (Advia Series / Dimension Series)	115	81.89	6.86	5.62			1.05
			Mindray	270	88.28	8.80	7.77			0.95
			Biosystems	217	82.77	8.60	7.12			0.97
			Transasia / Erba	814	67.78	13.06	8.85	58.1 mg/dL	-1.09	0.62
			Agape	207	82.77	9.23	7.64			1.06
			Randox rX Series	50	92.36	6.63	6.12			1.73
			CPC (Turbochem 100 / 240 Prime)	60	84.46	11.01	9.30			2.40
			Any Analyser (Automation / Semi Automation)	988	87.48	8.82	7.72			0.49
11	HDL	Direct method / Enzymatic colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	283	20.09	4.92	0.99			0.12

			Beckman AU480/680/5800/DXC700AU	162	21.05	7.26	1.53			0.24
			Siemens (Advia Series / Dimension Series)	105	24.83	6.75	1.68			0.33
			Mindray	230	22.32	8.64	1.93			0.25
			Biosystems	197	24.55	12.22	3.00			0.43
			Transasia / Erba	693	23.26	10.02	2.33	22.7 mg/dL	-0.24	0.18
			Agape	156	22.46	10.65	2.39			0.38
			Randox rX Series	37	20.76	6.80	1.41			0.46
			CPC (Turbochem 100 / 240 Prime)	41	22.59	15.27	3.45			1.08
			Any Analyser (Automation / Semi Automation)	714	28.16	19.26	5.42			0.41
12	AST	UV kinetic(with & without PLP (P-5-P))	Roche C111, C311, Integra 400 plus, C501, C502, C702	289	202.85	6.82	13.83			1.63
			Beckman AU480/680/5800/DXC700AU	168	217.39	5.71	12.42			1.92
			Siemens (Advia Series / Dimension Series)	104	256.85	5.75	14.77			2.90
			Mindray	251	206.84	8.91	18.44			2.33
			Biosystems	279	221.57	10.91	24.18			2.90
			Transasia / Erba	859	201.21	10.52	21.16	212.4 U/L	0.53	1.44
			Agape	190	198.94	8.49	16.89			2.45
			Randox rX Series	44	232.50	8.87	20.61			6.21
			CPC (Turbochem 100 / 240 Prime)	59	204.12	12.96	26.46			6.89
			Any Analyser (Automation / Semi Automation)	1021	190.14	15.11	28.72			1.80
13	ALT	UV kinetic(with & without PLP (P-5-P))	Roche C111, C311, Integra 400 plus, C501, C502, C702	289	48.63	10.66	5.18			0.61
			Beckman AU480/680/5800/DXC700AU	168	52.85	8.74	4.62			0.71
			Siemens (Advia Series / Dimension Series)	106	61.73	13.38	8.26			1.60
			Mindray	247	52.40	13.07	6.85			0.87
			Biosystems	280	55.30	13.16	7.28			0.87
			Transasia / Erba	863	51.97	13.88	7.22	56.3 U/L	0.60	0.49
			Agape	186	51.58	16.41	8.46			1.24
			Randox rX Series	44	54.36	14.13	7.68			2.32
			CPC (Turbochem 100 / 240 Prime)	59	51.28	16.08	8.25			2.15
			Any Analyser (Automation / Semi Automation)	1025	49.30	15.70	7.74			0.48
14	ALP	PNP AMP kinetic	Roche C111, C311, Integra 400 plus, C501, C502, C702	291	202.64	6.63	13.43			1.57
			Beckman AU480/680/5800/DXC700AU	168	242.56	8.51	20.63			3.18
			Siemens (Advia Series / Dimension Series)	109	193.86	7.13	13.83			2.65
			Mindray	177	233.05	14.32	33.38			5.02
			Biosystems	274	229.77	12.92	29.68			3.59

			Transasia / Erba	847	226.52	15.31	34.68	249 U/L	0.65	2.38
			Agape	98	238.93	16.01	38.26			7.73
			Randox rX Series	37	219.71	7.58	16.65			5.47
			CPC (Turbochem 100 / 240 Prime)	49	206.31	14.72	30.37			8.68
			Any Analyser (Automation / Semi Automation)	733	178.51	26.55	47.40			3.50

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 *****