



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

ALL ANALYSER SUMMARY REPORT - JANUARY 2022



Lab Name	ORBIT HEALTH CARE AND DIAGNOSTIC CENTRE	Lab No	15004
Constituent Group	Chemistry I	Date of Result Entered	16/01/2022
PT item	Lyophilized Serum	Date of Report Published	07/02/2022

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)	31	129.83	5.44	7.06			2.54
			Mindray	171	133.15	5.44	7.25			1.11
			Biosystems	223	131.73	6.44	8.49			1.14
			Transasia / Erba	774	136.11	6.22	8.46	137 mg/dl	0.11	0.61
			Agape	137	136.51	5.84	7.97			1.36
			Randox rX Series	51	139.83	5.59	7.82			2.19
			CPC (Turbochem 100 / 240 Prime	70	130.32	7.15	9.32			2.23
			Any Analyser (Automation / Semi Automation)	599	131.85	7.51	9.90			0.81
2	UREA	Urease UV / GLDH	Roche C111, C311, Integra 400 plus, C501, C502, C702	263	46.30	5.46	2.53			0.31
			Beckman AU480/680/5800/DXC700AU	162	47.66	5.45	2.60			0.41
			Siemens (Advia Series / Dimension Series)	103	46.75	7.11	3.32			0.66
			Mindray	175	47.99	6.34	3.04			0.46
			Biosystems	205	45.86	8.59	3.94			0.55
			Transasia / Erba	735	48.50	8.55	4.15	46.3 mg/dl	-0.53	0.31
			Agape	134	48.51	7.80	3.78			0.65
			Randox rX Series	49	48.14	8.18	3.94			1.13
			CPC (Turbochem 100 / 240 Prime	62	48.42	8.52	4.12			1.05
			Any Analyser (Automation / Semi Automation)	514	47.49	9.10	4.32			0.38
3	CREATININE	Enzymatic Colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	29	1.75	4.53	0.08			0.03
			Beckman AU480/680/5800/DXC700AU	36	1.67	6.72	0.11			0.04
			Mindray	49	1.76	5.98	0.10			0.03
			Biosystems	27	1.70	10.35	0.18			0.07
			Transasia / Erba	343	1.70	7.54	0.13	1.71 mg/dl	0.08	0.01
			Agape	50	1.64	7.18	0.12			0.03
						Any Analyser (Automation / Semi Automation)	80	1.73	8.39	0.14
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Roche C111, C311, Integra 400 plus, C501, C502, C702	253	2.17	5.12	0.11			0.01
			Beckman AU480/680/5800/DXC700AU	136	2.52	5.04	0.13			0.02
			Siemens (Advia Series / Dimension Series)	102	2.35	5.19	0.12			0.02

			Mindray	147	2.27	12.16	0.28			0.05
			Biosystems	186	2.43	15.66	0.38			0.06
			Transasia / Erba	747	2.21	13.06	0.29	2.02 mg/dl	-0.66	0.02
			Agape	116	2.41	10.03	0.24			0.04
			Randox rX Series	35	2.59	9.81	0.25			0.09
			CPC (Turbochem 100 / 240 Prime	58	2.19	10.66	0.23			0.06
			Any Analyser (Automation / Semi Automation)	507	2.39	17.13	0.41			0.04
5	T-PROTEIN	Biuret - Colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	264	4.64	3.79	0.18			0.02
			Beckman AU480/680/5800/DXC700AU	158	4.62	3.86	0.18			0.03
			Siemens (Advia Series / Dimension Series)	103	4.80	3.31	0.16			0.03
			Mindray	183	4.92	6.58	0.32			0.05
			Biosystems	212	5.03	6.48	0.33			0.04
			Transasia / Erba	747	5.31	6.99	0.37	4.25 g/dl	-2.86	0.03
			Agape	137	5.12	6.09	0.31			0.05
			Randox rX Series	51	4.91	6.96	0.34			0.10
			CPC (Turbochem 100 / 240 Prime	62	5.02	10.91	0.55			0.14
			Any Analyser (Automation / Semi Automation)	579	5.05	9.57	0.48			0.04
6	ALBUMIN	BCG - colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	250	3.08	4.06	0.12			0.02
			Beckman AU480/680/5800/DXC700AU	159	2.89	3.88	0.11			0.02
			Siemens (Advia Series / Dimension Series)	43	2.83	5.89	0.17			0.05
			Mindray	179	3.12	8.82	0.28			0.04
			Biosystems	213	3.10	9.02	0.28			0.04
			Transasia / Erba	770	3.07	6.65	0.20	2.91 g/dl	-0.78	0.01
			Agape	131	3.43	6.35	0.22			0.04
			Randox rX Series	48	3.06	5.03	0.15			0.04
			CPC (Turbochem 100 / 240 Prime	70	3.06	8.88	0.27			0.06
			Any Analyser (Automation / Semi Automation)	584	3.12	9.63	0.30			0.02
7	CALCIUM	Arsenazo III	Beckman AU480/680/5800/DXC700AU	148	9.06	3.55	0.32			0.05
			Mindray	141	9.22	5.80	0.54			0.09
			Biosystems	131	9.36	8.64	0.81			0.14
			Transasia / Erba	548	9.47	8.06	0.76	8.2 mg/dl	-1.66	0.07
			Agape	100	9.46	5.21	0.49			0.10
			Randox rX Series	40	9.54	3.84	0.37			0.12
			CPC (Turbochem 100 / 240 Prime	45	9.55	9.37	0.90			0.27
			Any Analyser (Automation / Semi Automation)	475	9.26	7.07	0.65			0.06
8	URIC ACID	Enzymatic / Uricase Colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	252	6.82	3.97	0.27			0.03
			Beckman AU480/680/5800/DXC700AU	158	6.80	3.81	0.26			0.04
			Siemens (Advia Series / Dimension Series)	97	6.79	3.99	0.27			0.05
			Mindray	172	6.88	8.50	0.58			0.09
			Biosystems	198	7.36	8.16	0.60			0.09
			Transasia / Erba	743	7.43	9.04	0.67	6.5 mg/dl	-1.38	0.05
			Agape	128	7.14	9.15	0.65			0.12

			Randox rX Series	51	6.97	5.35	0.37			0.10
			CPC (Turbochem 100 / 240 Prime	66	7.15	7.12	0.51			0.13
			Any Analyser (Automation / Semi Automation)	566	7.00	11.12	0.78			0.07
9	CHOLESTEROL	CHOD-PAP	Roche C111, C311, Integra 400 plus, C501, C502, C702	271	100.47	3.87	3.89			0.47
			Beckman AU480/680/5800/DXC700AU	159	100.77	5.34	5.38			0.85
			Siemens (Advia Series / Dimension Series)	96	82.69	7.06	5.84			1.19
			Mindray	190	101.69	6.70	6.81			0.99
			Biosystems	212	104.00	8.71	9.06			1.24
			Transasia / Erba	762	97.32	9.17	8.93	100.3 mg/dl	0.33	0.65
			Agape	140	98.01	6.90	6.77			1.14
			Randox rX Series	53	108.60	5.04	5.48			1.50
			CPC (Turbochem 100 / 240 Prime	64	100.18	9.77	9.79			2.45
			Any Analyser (Automation / Semi Automation)	574	102.81	9.03	9.29			0.78
10	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Roche C111, C311, Integra 400 plus, C501, C502, C702	241	140.43	3.46	4.86			0.63
			Beckman AU480/680/5800/DXC700AU	150	126.13	7.39	9.33			1.52
			Siemens (Advia Series / Dimension Series)	100	128.52	4.95	6.36			1.27
			Mindray	170	132.84	6.85	9.10			1.40
			Biosystems	195	126.70	8.19	10.37			1.49
			Transasia / Erba	703	109.79	10.00	10.98	138.4 mg/dl	2.61	0.83
			Agape	130	129.27	6.78	8.76			1.54
			Randox rX Series	50	138.21	4.94	6.83			1.93
			CPC (Turbochem 100 / 240 Prime	57	127.46	8.42	10.74			2.84
			Any Analyser (Automation / Semi Automation)	532	131.26	10.16	13.33			1.16
11	HDL CHO	Direct method / Enzymatic colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	236	21.32	4.80	1.02			0.13
			Beckman AU480/680/5800/DXC700AU	141	22.45	7.65	1.72			0.29
			Siemens (Advia Series / Dimension Series)	89	25.37	7.80	1.98			0.42
			Mindray	146	23.58	10.55	2.49			0.41
			Biosystems	116	26.03	13.59	3.54			0.66
			Transasia / Erba	543	24.83	10.03	2.49	45.23 mg/dl	8.19	0.21
			Agape	107	24.20	11.77	2.85			0.55
			Randox rX Series	38	23.15	9.85	2.28			0.74
			CPC (Turbochem 100 / 240 Prime	42	24.28	17.24	4.18			1.29
			Any Analyser (Automation / Semi Automation)	371	25.39	13.29	3.37			0.35
12	AST	UV kinetic(with & without PLP (P-5-P))	Roche C111, C311, Integra 400 plus, C501, C502, C702	211	45.84	6.34	2.91			0.40
			Beckman AU480/680/5800/DXC700AU	124	50.81	6.56	3.34			0.60
			Siemens (Advia Series / Dimension Series)	80	64.99	7.66	4.98			1.11
			Mindray	138	47.97	9.55	4.58			0.78
			Biosystems	165	52.75	10.99	5.80			0.90
			Transasia / Erba	576	47.98	11.70	5.61	43.4 U/L	-0.82	0.47
			Agape	116	46.94	12.48	5.86			1.09

			Randox rX Series	36	49.05	8.89	4.36			1.45
			CPC (Turbochem 100 / 240 Prime	48	50.09	13.59	6.81			1.97
			Any Analyser (Automation / Semi Automation)	453	48.65	11.59	5.64			0.53
13	ALT	UV kinetic(with & without PLP (P-5-P))	Roche C111, C311, Integra 400 plus, C501, C502, C702	211	106.15	8.26	8.77			1.21
			Beckman AU480/680/5800/DXC700AU	124	113.96	10.60	12.08			2.17
			Siemens (Advia Series / Dimension Series)	82	126.51	9.59	12.14			2.68
			Mindray	136	116.14	13.09	15.20			2.61
			Biosystems	159	114.72	13.49	15.48			2.46
			Transasia / Erba	560	106.93	13.87	14.83	100.6 U/L	-0.43	1.25
			Agape	105	117.50	17.76	20.87			4.07
			Randox rX Series	37	115.83	16.45	19.05			6.26
			CPC (Turbochem 100 / 240 Prime	47	110.24	17.60	19.40			5.66
			Any Analyser (Automation / Semi Automation)	432	102.89	17.83	18.35			1.77
14	ALP	PNP AMP kinetic	Roche C111, C311, Integra 400 plus, C501, C502, C702	253	66.45	6.43	4.27			0.54
			Beckman AU480/680/5800/DXC700AU	152	75.06	10.83	8.13			1.32
			Siemens (Advia Series / Dimension Series)	96	65.23	7.85	5.12			1.05
			Mindray	110	76.44	13.27	10.14			1.93
			Biosystems	196	73.27	15.04	11.02			1.57
			Transasia / Erba	683	67.58	14.18	9.58	70.6 U/L	0.32	0.73
			Agape	42	78.72	12.21	9.61			2.97
			Randox rX Series	45	66.43	14.33	9.52			2.84
			CPC (Turbochem 100 / 240 Prime	53	73.38	11.72	8.60			2.36
			Any Analyser (Automation / Semi Automation)	340	69.37	14.95	10.37			1.12

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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