



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY
CMC EXTERNAL QUALITY ASSURANCE SCHEME
ALL ANALYSER SUMMARY REPORT - MAY 2023



PC-1024

Lab Name **INTENSE DIAGNOSTICS** Lab No **18336**
Constituent Group **Chemistry I** Date of Result Entered **19/05/2023**
PT item **Lyophilized human serum based** Date of Report Published **05/06/2023**

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)	32	244.34	3.52	8.60			3.04
			Mindray	228	248.97	5.30	13.19			1.75
			Biosystems	326	247.21	5.82	14.38			1.59
			Transasia / Erba	957	256.55	5.99	15.38	248.6 mg/dL	-0.52	0.99
			Agape	202	248.93	6.22	15.47			2.18
			Randox rX Series	44	250.65	4.45	11.14			3.36
			CPC (Turbochem 100 / 240 Prime)	70	248.92	6.90	17.18			4.11
			Any Analyser (Automation / Semi Automation)	1095	246.36	5.38	13.26			0.80
2	UREA	Urease UV / GLDH	Roche C111, C311, Integra 400 plus, C501, C502, C702	299	75.73	5.47	4.14			0.48
			Beckman AU480/680 /5800/DXC700AU	195	77.37	5.04	3.90			0.56
			Siemens (Advia Series / Dimension Series)	126	78.57	4.74	3.72			0.66
			Abbott (Architect - c4000/c8000/c16000)	13	80.11	7.19	5.76			3.20
			Mindray	272	78.41	6.44	5.05			0.61
			Biosystems	291	72.81	7.69	5.60			0.66
			Transasia / Erba	938	78.15	7.38	5.77	74.7 mg/dL	-0.60	0.38
			Agape	229	78.36	6.80	5.33			0.70
			Randox rX Series	45	74.91	6.60	4.94			1.47
			CPC (Turbochem 100 / 240 Prime)	64	78.36	9.60	7.52			1.88
Any Analyser (Automation / Semi Automation)	738	76.52	9.33	7.14			0.53			
3	CREATININE	Jaffes End point	Any Analyser (Automation / Semi Automation)	322	1.58	9.49	0.15	1.6 mg/dL	0.13	0.02
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Roche C111, C311, Integra 400 plus, C501, C502, C702	292	3.96	5.28	0.21			0.02
			Beckman AU480/680 /5800/DXC700AU	145	4.29	3.69	0.16			0.03

			Siemens (Advia Series / Dimension Series)	116	4.11	3.90	0.16			0.03
			Abbott (Architect - c4000/c8000/c16000)	14	4.44	8.42	0.37			0.20
			Mindray	228	3.92	9.72	0.38			0.05
			Biosystems	263	3.65	16.37	0.60			0.07
			Transasia / Erba	973	4.04	9.87	0.40	3.91 mg/dL	-0.33	0.03
			Agape	186	4.17	10.40	0.43			0.06
			Randox rX Series	35	4.50	8.15	0.37			0.12
			CPC (Turbochem 100 / 240 Prime)	63	3.97	12.35	0.49			0.12
			Any Analyser (Automation / Semi Automation)	963	3.96	12.75	0.50			0.03
5	T-PROTEIN	Biuret - Colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	300	4.65	4.49	0.21			0.02
			Beckman AU480/680 /5800/DXC700AU	186	4.63	4.34	0.20			0.03
			Siemens (Advia Series / Dimension Series)	121	4.76	3.40	0.16			0.03
			Abbott (Architect - c4000/c8000/c16000)	14	4.78	4.14	0.20			0.11
			Mindray	284	4.97	7.31	0.36			0.04
			Biosystems	321	5.10	6.52	0.33			0.04
			Transasia / Erba	950	5.35	7.84	0.42	5.06 g/dL	-0.69	0.03
			Agape	222	5.13	6.67	0.34			0.05
			Randox rX Series	47	4.90	6.40	0.31			0.09
			CPC (Turbochem 100 / 240 Prime)	69	4.92	9.52	0.47			0.11
			Any Analyser (Automation / Semi Automation)	1107	5.11	8.61	0.44			0.03
6	ALBUMIN	BCG - colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	293	3.11	4.25	0.13			0.02
			Beckman AU480/680 /5800/DXC700AU	182	2.91	4.91	0.14			0.02
			Siemens (Advia Series / Dimension Series)	51	2.92	5.38	0.16			0.04
			Abbott (Architect - c4000/c8000/c16000)	13	2.97	2.42	0.07			0.04
			Mindray	262	3.15	8.17	0.26			0.03
			Biosystems	306	3.01	7.47	0.22			0.03
			Transasia / Erba	985	3.17	5.51	0.18	3.26 g/dL	0.51	0.01
			Agape	210	3.38	6.76	0.23			0.03
			Randox rX Series	44	3.05	5.68	0.17			0.05
			CPC (Turbochem 100 / 240 Prime)	71	3.07	8.78	0.27			0.06
			Any Analyser (Automation / Semi Automation)	827	3.17	8.64	0.27			0.02
7	CALCIUM	Arsenazo III	Beckman AU480/680 /5800/DXC700AU	178	9.15	3.71	0.34			0.05
			Abbott (Architect - c4000/c8000/c16000)	14	9.15	4.02	0.37			0.20
			Mindray	226	9.30	6.68	0.62			0.08
			Biosystems	210	9.47	8.16	0.77			0.11

			Transasia / Erba	710	9.56	8.81	0.84	9.2 mg/dL	-0.43	0.06
			Agape	162	9.68	6.29	0.61			0.10
			Randox rX Series	38	9.41	5.44	0.51			0.17
			CPC (Turbochem 100 / 240 Prime)	57	9.55	8.42	0.80			0.21
			Any Analyser (Automation / Semi Automation)	968	9.49	6.34	0.60			0.04
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Roche C111, C311, Integra 400 plus, C501, C502, C702	235	5.30	3.13	0.17			0.02
			Beckman AU480/680 /5800/DXC700AU	145	5.30	5.42	0.29			0.05
			Siemens (Advia Series / Dimension Series)	69	5.39	4.84	0.26			0.06
			Mindray	163	5.19	10.74	0.56			0.09
			Biosystems	114	5.40	9.14	0.49			0.09
			Transasia / Erba	453	5.67	8.85	0.50	5.83 mg/dL	0.32	0.05
			Agape	113	5.67	5.56	0.32			0.06
			Randox rX Series	30	5.31	5.85	0.31			0.11
			CPC (Turbochem 100 / 240 Prime)	28	5.48	12.29	0.67			0.25
			Any Analyser (Automation / Semi Automation)	465	5.43	11.40	0.62			0.06
9	URIC ACID	Enzymatic / Uricase Colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	290	8.09	3.88	0.31			0.04
			Beckman AU480/680 /5800/DXC700AU	183	8.03	3.65	0.29			0.04
			Siemens (Advia Series / Dimension Series)	116	8.15	3.57	0.29			0.05
			Abbott (Architect - c4000/c8000/c16000)	14	8.26	1.88	0.16			0.08
			Mindray	276	8.17	6.32	0.52			0.06
			Biosystems	285	8.80	7.25	0.64			0.08
			Transasia / Erba	910	8.77	7.20	0.63	9 mg/dL	0.36	0.04
			Agape	212	8.39	6.88	0.58			0.08
			Randox rX Series	45	8.13	5.83	0.47			0.14
			CPC (Turbochem 100 / 240 Prime)	69	8.05	8.12	0.65			0.16
			Any Analyser (Automation / Semi Automation)	1080	8.40	9.77	0.82			0.05
10	CHOLESTEROL	CHOD-PAP	Roche C111, C311, Integra 400 plus, C501, C502, C702	303	106.39	3.94	4.19			0.48
			Beckman AU480/680 /5800/DXC700AU	186	106.58	5.23	5.58			0.82
			Siemens (Advia Series / Dimension Series)	124	86.14	6.23	5.36			0.96
			Abbott (Architect - c4000/c8000/c16000)	14	108.67	3.75	4.08			2.18
			Mindray	280	107.77	6.52	7.03			0.84
			Biosystems	303	109.12	6.54	7.14			0.82
			Transasia / Erba	965	104.58	7.53	7.88	117 mg/dL	1.58	0.51
			Agape	221	104.92	7.07	7.42			1.00
			Randox rX Series	49	118.25	4.74	5.61			1.60

			CPC (Turbochem 100 / 240 Prime)	73	108.27	7.97	8.63			2.02
			Any Analyser (Automation / Semi Automation)	1116	111.09	7.11	7.89			0.47
11	HDL	Direct method / Enzymatic colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	284	20.69	5.15	1.06			0.13
			Beckman AU480/680 /5800/DXC700AU	173	22.21	7.35	1.63			0.25
			Siemens (Advia Series / Dimension Series)	111	24.69	8.36	2.06			0.39
			Abbott (Architect - c4000/c8000/c16000)	13	26.22	6.80	1.78			0.99
			Mindray	237	23.22	12.23	2.84			0.37
			Biosystems	227	25.55	14.05	3.59			0.48
			Transasia / Erba	731	24.66	10.89	2.68	21.9 mg/dL	-1.03	0.20
			Agape	170	23.72	10.12	2.40			0.37
			Randox rX Series	41	22.44	11.10	2.49			0.78
			CPC (Turbochem 100 / 240 Prime)	41	24.74	15.36	3.80			1.19
			Any Analyser (Automation / Semi Automation)	838	25.33	14.17	3.59			0.25
12	SODIUM	ISE - Direct	Transasia / Erba	232	134.64	3.05	4.10	134.8 mmol/L	0.04	0.54
			Any Analyser (Automation / Semi Automation)	1209	134.44	3.09	4.16			0.24
			Roche/Hitachi 912 series	44	134.90	2.52	3.39			1.02
13	POTASSIUM	ISE - Direct	Transasia / Erba	220	3.12	5.22	0.16	3.11 mmol/L	-0.06	0.02
			Any Analyser (Automation / Semi Automation)	1220	3.12	5.73	0.18			0.01
			Roche/Hitachi 912 series	42	3.12	4.49	0.14			0.04
14	CHLORIDE	ISE - Direct	Transasia / Erba	176	98.20	3.62	3.55	97 mmol/L	-0.34	0.54
			Any Analyser (Automation / Semi Automation)	1011	98.34	4.20	4.14			0.26
			Roche/Hitachi 912 series	35	96.92	3.33	3.22			1.09
15	AST	UV kinetic(with & without PLP (P-5-P))	Roche C111, C311, Integra 400 plus, C501, C502, C702	290	140.24	6.15	8.63			1.01
			Beckman AU480/680 /5800/DXC700AU	174	150.09	6.17	9.27			1.41
			Siemens (Advia Series / Dimension Series)	112	174.86	5.11	8.94			1.69
			Abbott (Architect - c4000/c8000/c16000)	15	133.36	6.76	9.02			4.66
			Mindray	261	143.56	9.15	13.14			1.63
			Biosystems	294	155.53	11.40	17.74			2.07
			Transasia / Erba	906	139.68	10.13	14.15	147.4 U/L	0.55	0.94
			Agape	202	137.41	8.66	11.90			1.67
			Randox rX Series	44	155.86	9.91	15.45			4.66
			CPC (Turbochem 100 / 240 Prime)	59	142.98	11.39	16.28			4.24
			Any Analyser (Automation / Semi Automation)	1086	145.65	12.19	17.75			1.08

16	ALT	UV kinetic(with & without PLP (P-5-P))	Roche C111, C311, Integra 400 plus, C501, C502, C702	294	74.43	10.09	7.51		0.88
			Beckman AU480/680 /5800/DXC700AU	176	79.53	8.98	7.14		1.08
			Siemens (Advia Series / Dimension Series)	113	89.00	10.69	9.51		1.79
			Abbott (Architect - c4000/c8000/c16000)	15	78.80	7.88	6.21		3.21
			Mindray	254	80.23	12.67	10.17		1.28
			Biosystems	290	82.43	11.33	9.34		1.10
			Transasia / Erba	907	76.70	15.69	12.04	70.9 U/L	-0.48
			Agape	206	78.79	16.97	13.37		1.86
			Randox rX Series	43	84.00	12.83	10.78		3.29
			CPC (Turbochem 100 / 240 Prime)	54	77.03	15.42	11.88		3.23
			Any Analyser (Automation / Semi Automation)	1087	75.41	12.30	9.28		0.56
17	ALP	PNP AMP kinetic	Roche C111, C311, Integra 400 plus, C501, C502, C702	289	278.50	7.76	21.60		2.54
			Beckman AU480/680 /5800/DXC700AU	172	336.06	9.21	30.97		4.72
			Siemens (Advia Series / Dimension Series)	112	260.99	7.01	18.29		3.46
			Abbott (Architect - c4000/c8000/c16000)	14	270.07	3.19	8.61		4.60
			Mindray	195	323.55	16.16	52.30		7.49
			Biosystems	292	315.32	12.86	40.55		4.75
			Transasia / Erba	878	299.55	15.52	46.49	211 U/L	-1.90
			Agape	111	330.55	14.61	48.29		9.17
			Randox rX Series	40	303.18	10.41	31.57		9.98
			CPC (Turbochem 100 / 240 Prime)	61	298.15	16.86	50.25		12.87
			Any Analyser (Automation / Semi Automation)	904	298.80	13.40	40.05		2.66

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:

INTENSE DIAGNOSTICS

SHOP NO.21, BLDG NO-37, OPP BANK OF INDIA, SHANTI PLAZA CHS LTD, SHANTI PARK, MIRAROADGE

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Homogeneity and Stability of the sample is passed.

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