



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

ALL ANALYSER SUMMARY REPORT - AUGUST 2022



Lab Name PATHKIND LABS PVT LTD Lab No 16241
 Constituent Group Chemistry I Date of Result Entered 19/08/2022
 PT item Lyophilized Serum Date of Report Published 05/09/2022

Sl.No	Constituent Name	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE	Hexokinase	Roche C111, C311, Integra 400 plus, C501, C502, C702	294	186.45	3.68	6.86			0.80
			Beckman AU480/680/5800/DXC700AU	171	184.37	5.00	9.21			1.41
			Siemens (Advia Series / Dimension Series)	94	183.61	4.73	8.68	192 mg/dL	0.97	1.79
			Any Analyser (Automation / Semi Automation)	158	188.44	6.12	11.52			1.83
2	UREA	Urease UV / GLDH	Roche C111, C311, Integra 400 plus, C501, C502, C702	305	60.11	5.61	3.37			0.39
			Beckman AU480/680/5800/DXC700AU	198	61.85	5.11	3.16			0.45
			Siemens (Advia Series / Dimension Series)	122	60.97	6.01	3.67	64.2 mg/dL	0.88	0.66
			Mindray	232	61.83	6.75	4.18			0.55
			Biosystems	301	58.79	8.14	4.79			0.55
			Transasia / Erba	888	62.12	7.66	4.76			0.32
			Agape	175	61.81	6.61	4.09			0.62
			Randox rX Series	54	58.11	9.25	5.37			1.46
			CPC (Turbochem 100 / 240 Prime)	68	62.19	9.90	6.16			1.49
			Any Analyser (Automation / Semi Automation)	641	61.56	9.11	5.61			0.44
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Roche C111, C311, Integra 400 plus, C501, C502, C702	262	2.64	5.94	0.16			0.02
			Beckman AU480/680/5800/DXC700AU	142	2.63	6.04	0.16			0.03
			Siemens (Advia Series / Dimension Series)	109	2.68	6.19	0.17	2.45 mg/dL	-1.39	0.03
			Mindray	124	2.49	6.70	0.17			0.03
			Biosystems	228	2.55	9.84	0.25			0.03
			Transasia / Erba	459	2.52	9.25	0.23			0.02
			Agape	102	2.36	9.48	0.22			0.04
			Randox rX Series	38	2.48	7.46	0.18			0.06
			CPC (Turbochem 100 / 240 Prime)	62	2.55	10.71	0.27			0.07
			Any Analyser (Automation / Semi Automation)	539	2.54	10.03	0.26			0.02
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Roche C111, C311, Integra 400 plus, C501, C502, C702	290	3.37	4.96	0.17			0.02
			Beckman AU480/680/5800/DXC700AU	164	3.82	4.58	0.18			0.03
			Siemens (Advia Series / Dimension Series)	118	3.71	4.80	0.18	3.7 mg/dL	-0.06	0.03
			Mindray	204	3.67	10.30	0.38			0.05
			Biosystems	276	3.62	11.20	0.41			0.05
			Transasia / Erba	942	3.62	10.23	0.37			0.02

			Agape	155	3.69	8.23	0.30			0.05
			Randox rX Series	39	4.01	8.46	0.34			0.11
			CPC (Turbochem 100 / 240 Prime)	72	3.44	10.67	0.37			0.09
			Any Analyser (Automation / Semi Automation)	660	3.72	14.76	0.55			0.04
5	T-PROTEIN	Biuret - Colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	307	5.44	3.51	0.19			0.02
			Beckman AU480/680/5800/DXC700AU	195	5.44	4.17	0.23			0.03
			Siemens (Advia Series / Dimension Series)	119	5.67	4.57	0.26	5.5 g/dL	-0.66	0.05
			Mindray	245	5.90	7.46	0.44			0.06
			Biosystems	313	6.01	7.27	0.44			0.05
			Transasia / Erba	961	6.28	7.74	0.49			0.03
			Agape	184	6.02	5.75	0.35			0.05
			Randox rX Series	56	5.80	5.60	0.32			0.09
			CPC (Turbochem 100 / 240 Prime)	82	5.72	11.97	0.68			0.15
			Any Analyser (Automation / Semi Automation)	786	6.00	9.91	0.59			0.04
6	ALBUMIN	BCP - Bromocresol purple (colorimetric)	Roche C111, C311, Integra 400 plus, C501, C502, C702	40	3.54	6.10	0.22			0.07
			Siemens (Advia Series / Dimension Series)	87	3.40	5.38	0.18	3.2 g/dL	-1.09	0.04
			Beckman AU480/680/5800/DXC700AU	188	11.53	3.71	0.43			0.06
7	CALCIUM	Arsenazo III	Mindray	179	11.44	7.22	0.83			0.12
			Biosystems	215	11.48	8.22	0.94			0.13
			Transasia / Erba	666	11.46	9.46	1.08			0.08
			Agape	127	11.60	8.77	1.02			0.18
			Randox rX Series	44	11.62	4.81	0.56			0.17
			CPC (Turbochem 100 / 240 Prime)	54	11.49	10.38	1.19			0.32
			Any Analyser (Automation / Semi Automation)	606	11.08	9.39	1.04	11.5 mg/dL	0.40	0.08
8	URIC ACID	Enzymatic / Uricase Colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	291	4.71	3.63	0.17			0.02
			Beckman AU480/680/5800/DXC700AU	190	4.71	3.56	0.17			0.02
			Siemens (Advia Series / Dimension Series)	111	4.78	3.58	0.17	4.7 mg/dL	-0.47	0.03
			Mindray	226	4.85	9.32	0.45			0.06
			Biosystems	296	5.88	8.11	0.48			0.06
			Transasia / Erba	923	5.29	9.19	0.49			0.03
			Agape	169	5.05	10.82	0.55			0.08
			Randox rX Series	52	4.75	8.35	0.40			0.11
			CPC (Turbochem 100 / 240 Prime)	68	5.25	10.66	0.56			0.14
			Any Analyser (Automation / Semi Automation)	708	5.29	17.90	0.95			0.07
9	CHOLESTEROL	CHOD-PAP	Roche C111, C311, Integra 400 plus, C501, C502, C702	308	119.68	4.10	4.91			0.56
			Beckman AU480/680/5800/DXC700AU	195	120.91	5.19	6.27			0.90
			Siemens (Advia Series / Dimension Series)	115	99.60	7.04	7.01	97 mg/dL	-0.37	1.31
			Mindray	243	120.04	6.41	7.69			0.99
			Biosystems	307	121.55	5.84	7.10			0.81
			Transasia / Erba	929	114.16	8.16	9.32			0.61
			Agape	182	114.31	6.85	7.84			1.16
			Randox rX Series	56	129.68	6.30	8.16			2.18
			CPC (Turbochem 100 / 240 Prime)	71	116.98	9.20	10.77			2.56
			Any Analyser (Automation / Semi Automation)	744	120.77	8.20	9.90			0.73

10	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Roche C111, C311, Integra 400 plus, C501, C502, C702	280	116.29	5.12	5.95			0.71
			Beckman AU480/680/5800/DXC700AU	193	103.44	6.37	6.59			0.95
			Siemens (Advia Series / Dimension Series)	118	106.35	5.78	6.15	112 mg/dL	0.92	1.13
			Mindray	234	109.84	8.59	9.44			1.23
			Biosystems	277	102.75	8.78	9.02			1.08
			Transasia / Erba	886	82.80	13.18	10.92			0.73
			Agapé	166	102.32	6.98	7.15			1.11
			Randox rX Series	57	116.79	5.91	6.91			1.83
			CPC (Turbochem 100 / 240 Prime)	60	96.04	11.46	11.00			2.84
			Any Analyser (Automation / Semi Automation)	660	109.75	10.60	11.64			0.91
11	HDL	Direct method / Enzymatic colorimetric	Roche C111, C311, Integra 400 plus, C501, C502, C702	278	23.63	5.32	1.26			0.15
			Beckman AU480/680/5800/DXC700AU	180	25.64	6.95	1.78			0.27
			Siemens (Advia Series / Dimension Series)	102	28.14	9.39	2.64	26 mg/dL	-0.81	0.52
			Mindray	189	26.37	11.24	2.96			0.43
			Biosystems	210	28.70	14.21	4.08			0.56
			Transasia / Erba	713	28.02	10.91	3.06			0.23
			Agape	144	26.36	10.75	2.83			0.47
			Randox rX Series	45	26.63	9.64	2.57			0.77
			CPC (Turbochem 100 / 240 Prime)	45	25.40	14.86	3.77			1.12
			Any Analyser (Automation / Semi Automation)	489	28.38	14.99	4.25			0.38
12	SODIUM	ISE - Direct	Transasia / Erba	208	139.95	2.87	4.01	137.3 mmol/L	-0.66	0.56
			Any Analyser (Automation / Semi Automation)	1027	139.51	3.22	4.49			0.28
13	POTASSIUM	ISE - Direct	Transasia / Erba	215	4.58	4.49	0.21	4.61 mmol/L	0.15	0.03
			Any Analyser (Automation / Semi Automation)	1065	4.59	5.63	0.26			0.02
14	CHLORIDE	ISE - Direct	Transasia / Erba	170	102.85	4.27	4.39	97.5 mmol/L	-1.22	0.67
			Any Analyser (Automation / Semi Automation)	869	102.65	4.14	4.25			0.29
15	AST	UV kinetic(with & without PLP (P-5-P))	Roche C111, C311, Integra 400 plus, C501, C502, C702	274	63.47	7.44	4.72			0.57
			Beckman AU480/680/5800/DXC700AU	170	70.15	7.30	5.12			0.79
			Siemens (Advia Series / Dimension Series)	89	88.81	6.72	5.97	92 U/L	0.53	1.27
			Mindray	220	67.37	9.17	6.18			0.83
			Biosystems	276	74.61	12.03	8.97			1.08
			Transasia / Erba	843	64.99	11.93	7.75			0.53
			Agape	164	61.14	11.15	6.82			1.06
			Randox rX Series	47	66.08	12.22	8.08			2.36
			CPC (Turbochem 100 / 240 Prime)	40	63.24	7.27	4.60			1.45
			Any Analyser (Automation / Semi Automation)	603	64.03	12.31	7.88			0.64
16	ALT	UV kinetic(with & without PLP (P-5-P))	Roche C111, C311, Integra 400 plus, C501, C502, C702	271	46.27	10.61	4.91			0.60
			Beckman AU480/680/5800/DXC700AU	178	51.37	9.96	5.12			0.77
			Siemens (Advia Series / Dimension Series)	113	57.08	8.56	4.89	60 U/L	0.60	0.92
			Mindray	174	51.47	10.45	5.38			0.82
			Biosystems	238	53.10	11.40	6.05			0.78

			Transasia / Erba	817	47.89	15.74	7.54			0.53
			Agape	133	49.30	14.75	7.27			1.26
			Randox rX Series	37	47.41	13.08	6.20			2.04
			CPC (Turbochem 100 / 240 Prime)	46	47.44	13.74	6.52			1.92
			Any Analyser (Automation / Semi Automation)	619	47.23	17.37	8.20			0.66
17	ALP	PNP AMP kinetic	Roche C111, C311, Integra 400 plus, C501, C502, C702	296	96.55	6.61	6.39			0.74
			Beckman AU480/680/5800/DXC700AU	185	109.35	9.18	10.04			1.48
			Siemens (Advia Series / Dimension Series)	105	94.17	6.74	6.34	86 U/L	-1.29	1.24
			Mindray	148	109.82	12.94	14.21			2.34
			Biosystems	290	106.89	12.60	13.47			1.58
			Transasia / Erba	861	100.55	15.05	15.13			1.03
			Agape	52	106.90	13.26	14.18			3.93
			Randox rX Series	46	100.47	9.33	9.37			2.76
			CPC (Turbochem 100 / 240 Prime)	55	106.06	11.81	12.53			3.38
			Any Analyser (Automation / Semi Automation)	501	97.71	16.55	16.17			1.44
18	IRON	Ferro Zine (No Protein Removal)	Roche C111, C311, Integra 400 plus, C501, C502, C702	127	96.06	5.90	5.67			1.01
			Biosystems	59	92.48	9.25	8.56			2.23
			Transasia / Erba	46	94.21	13.86	13.06			3.85
			Any Analyser (Automation / Semi Automation)	78	95.49	15.40	14.71	81 ug/dL	-0.99	3.33

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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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 *****