



CHRISTIAN MEDICAL COLLEGE
DEPARTMENT OF CLINICAL BIOCHEMISTRY
CMC EXTERNAL QUALITY ASSURANCE SCHEME
All Analyser Summary Report - February 2024



Lab Name	PRAYAG PATH LAB	Lab No	18858
Constituent Group	Chemistry I	Date of Result Entered	07/02/2024
PT item	Lyophilized human serum based	Date of Report Published	05/03/2024

Sl.No	Constituent Name	Method / Principle Name	Analyzer Name	No of Participants	AV	Participants		Your Value	Z Score	u*
						CV	SDPA			
1	GLUCOSE	GOD-POD	Siemens (Advia Series / Dimension Series)	29	253.28	2.91	7.36			2.73
			Mindray	236	256.96	5.05	12.97			1.69
			Biosystems	317	252.34	4.10	10.35			1.16
			Transasia / Erba	1015	262.66	6.28	16.48			1.03
			Agape	209	257.71	6.67	17.20			2.38
			Randox rX Series	36	259.39	4.53	11.76			3.92
			CPC (Turbochem 100 / 240 Prime)	72	255.92	6.48	16.57			3.91
			Any Analyser (Automation / Semi Automation)	1176	251.29	4.97	12.48	239.1 mg/dL	-0.98	0.73
			2	UREA	Urease UV / GLDH	Roche c111, c311, Integra 400, c501, c502, c503, c702	269	63.60	5.18	3.30
Beckman AU480/680/5800/DXC700AU	176	64.08				5.03	3.22			0.49
Siemens (Advia Series / Dimension Series)	102	63.71				5.45	3.47			0.69
Abbott (Architect - c4000/c8000/c16000)	23	65.89				7.88	5.19			2.17
Mindray	284	65.15				5.63	3.67			0.44
Biosystems	309	60.93				7.64	4.66			0.53
Transasia / Erba	983	64.40				7.76	5.00			0.32
Agape	218	64.51				7.34	4.74			0.64
Randox rX Series	40	61.32				7.15	4.38			1.39
3	CREATININE	Enzymatic Colorimetric	CPC (Turbochem 100 / 240 Prime)	62	65.08	7.16	4.66			1.18
			Any Analyser (Automation / Semi Automation)	1061	61.45	11.98	7.36	66.4 mg/dL	0.67	0.45
			Roche c111, c311, Integra 400, c501, c502, c503, c702	27	5.82	5.47	0.32			0.12
			Beckman AU480/680/5800/DXC700AU	39	5.76	5.80	0.33			0.11
			Mindray	102	5.98	5.35	0.32			0.06
			Biosystems	37	5.53	9.90	0.55			0.18
			Transasia / Erba	525	5.75	5.85	0.34			0.03
			Agape	90	5.81	5.95	0.35			0.07
			Any Analyser (Automation / Semi Automation)	209	5.66	8.18	0.46	5.96 mg/dL	0.65	0.06
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Roche c111, c311, Integra 400, c501, c502, c503, c702	264	2.72	5.33	0.14			0.02
			Beckman AU480/680/5800/DXC700AU	121	3.21	4.73	0.15			0.03
			Siemens (Advia Series / Dimension Series)	97	3.06	6.21	0.19			0.04

			Abbott (Architect - c4000/c8000/c16000)	24	3.28	5.98	0.20			0.08
			Mindray	250	2.99	9.84	0.29			0.04
			Biosystems	272	2.82	14.66	0.41			0.05
			Transasia / Erba	997	3.00	10.46	0.31			0.02
			Agape	194	2.94	10.85	0.32			0.05
			Randox rX Series	31	3.30	8.79	0.29			0.10
			CPC (Turbochem 100 / 240 Prime)	66	3.01	10.75	0.32			0.08
			Any Analyser (Automation / Semi Automation)	1022	2.84	16.53	0.47	3.12 mg/dL	0.60	0.03
5	T-PROTEIN	Biuret - Colorimetric	Roche c111, c311, Integra 400, c501, c502, c503, c702	270	5.03	3.68	0.18			0.02
			Beckman AU480/680/5800/DXC700AU	169	5.00	3.32	0.17			0.03
			Siemens (Advia Series / Dimension Series)	105	5.13	3.84	0.20			0.04
			Abbott (Architect - c4000/c8000/c16000)	24	5.34	4.39	0.23			0.10
			Mindray	292	5.30	6.06	0.32			0.04
			Biosystems	326	5.41	6.58	0.36			0.04
			Transasia / Erba	1026	5.50	7.67	0.42			0.03
			Agape	221	5.38	5.82	0.31			0.04
			Randox rX Series	40	5.15	5.19	0.27			0.08
			CPC (Turbochem 100 / 240 Prime)	66	5.23	9.93	0.52			0.13
			Any Analyser (Automation / Semi Automation)	1176	5.38	6.46	0.35	6.09 g/dL	2.05	0.02
6	ALBUMIN	BCG - colorimetric	Roche c111, c311, Integra 400, c501, c502, c503, c702	264	3.31	4.35	0.14			0.02
			Beckman AU480/680/5800/DXC700AU	173	3.16	3.49	0.11			0.02
			Siemens (Advia Series / Dimension Series)	41	3.08	5.29	0.16			0.05
			Abbott (Architect - c4000/c8000/c16000)	23	3.21	4.23	0.14			0.06
			Mindray	290	3.31	6.73	0.22			0.03
			Biosystems	315	3.21	7.85	0.25			0.03
			Transasia / Erba	1018	3.33	5.77	0.19			0.01
			Agape	210	3.43	5.86	0.20			0.03
			Randox rX Series	40	3.27	3.73	0.12			0.04
			CPC (Turbochem 100 / 240 Prime)	65	3.29	10.29	0.34			0.08
			Any Analyser (Automation / Semi Automation)	1142	3.21	9.82	0.32	3.59 g/dL	1.21	0.02
7	CALCIUM	Arsenazo III	Beckman AU480/680/5800/DXC700AU	168	10.68	3.55	0.38			0.06
			Abbott (Architect - c4000/c8000/c16000)	21	10.46	4.55	0.48			0.21
			Mindray	238	10.55	6.86	0.72			0.09
			Biosystems	244	10.49	7.96	0.84			0.11
			Transasia / Erba	735	10.55	7.49	0.79			0.06
			Agape	163	10.88	6.93	0.75			0.12
			Randox rX Series	32	10.70	2.72	0.29			0.10
			CPC (Turbochem 100 / 240 Prime)	51	10.72	7.22	0.77			0.22
			Any Analyser (Automation / Semi Automation)	990	10.20	6.91	0.70	12 mg/dL	2.55	0.04

8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Roche c111, c311, Integra 400, c501, c502, c503, c702	214	3.28	3.72	0.12			0.02
			Beckman AU480/680/5800/DXC700AU	130	3.25	6.61	0.22			0.04
			Siemens (Advia Series / Dimension Series)	54	3.47	4.20	0.15			0.04
			Abbott (Architect - c4000/c8000/c16000)	16	3.21	4.80	0.15			0.08
			Mindray	137	3.34	15.08	0.50			0.09
			Biosystems	91	3.74	10.74	0.40			0.08
			Transasia / Erba	501	3.99	11.21	0.45			0.04
			Agape	111	3.81	7.93	0.30			0.06
			Randox rX Series	24	3.52	9.72	0.34			0.14
			CPC (Turbochem 100 / 240 Prime)	29	3.73	12.70	0.47			0.18
			Any Analyser (Automation / Semi Automation)	400	3.80	12.99	0.49	3.68 mg/dL	-0.24	0.05
9	URIC ACID	Enzymatic / Uricase Colorimetric	Roche c111, c311, Integra 400, c501, c502, c503, c702	262	7.17	3.71	0.27			0.03
			Beckman AU480/680/5800/DXC700AU	168	7.21	4.23	0.30			0.05
			Siemens (Advia Series / Dimension Series)	99	7.17	2.38	0.17			0.03
			Abbott (Architect - c4000/c8000/c16000)	22	7.31	3.22	0.24			0.10
			Mindray	292	7.34	6.67	0.49			0.06
			Biosystems	308	7.95	7.40	0.59			0.07
			Transasia / Erba	1002	7.77	8.34	0.65			0.04
			Agape	216	7.68	6.07	0.47			0.06
			Randox rX Series	41	7.32	6.08	0.44			0.14
			CPC (Turbochem 100 / 240 Prime)	61	7.43	8.44	0.63			0.16
			Any Analyser (Automation / Semi Automation)	1129	7.69	8.54	0.66	7.36 mg/dL	-0.50	0.04
10	CHOLESTEROL	CHOD-PAP	Roche c111, c311, Integra 400, c501, c502, c503, c702	270	111.83	3.75	4.19			0.51
			Beckman AU480/680/5800/DXC700AU	173	112.23	4.96	5.56			0.85
			Siemens (Advia Series / Dimension Series)	103	93.32	6.67	6.22			1.23
			Abbott (Architect - c4000/c8000/c16000)	24	114.42	3.83	4.38			1.79
			Mindray	295	111.57	6.67	7.44			0.87
			Biosystems	334	115.74	5.78	6.69			0.73
			Transasia / Erba	981	109.31	7.99	8.74			0.56
			Agape	228	107.67	7.95	8.56			1.13
			Randox rX Series	40	123.14	5.03	6.19			1.96
			CPC (Turbochem 100 / 240 Prime)	62	113.51	8.60	9.76			2.48
			Any Analyser (Automation / Semi Automation)	1179	114.96	5.67	6.52	103 mg/dL	-1.83	0.38
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Roche c111, c311, Integra 400, c501, c502, c503, c702	254	203.06	3.52	7.14			0.90

			Beckman AU480/680/5800/DXC700AU	171	187.80	6.49	12.18			1.86
			Siemens (Advia Series / Dimension Series)	103	190.54	4.11	7.83			1.54
			Abbott (Architect - c4000/c8000/c16000)	23	193.06	4.49	8.67			3.61
			Mindray	291	193.18	5.96	11.52			1.35
			Biosystems	298	191.15	5.98	11.43			1.32
			Transasia / Erba	982	177.60	7.72	13.72			0.88
			Agape	221	187.73	6.28	11.79			1.59
			Randox rX Series	41	200.60	3.34	6.70			2.09
			CPC (Turbochem 100 / 240 Prime)	53	192.76	5.48	10.56			2.90
			Any Analyser (Automation / Semi Automation)	1106	191.25	6.15	11.77	186.6 mg/dL	-0.40	0.71
12	HDL	Direct method / Enzymatic colorimetric	Roche c111, c311, Integra 400, c501, c502, c503, c702	255	24.30	4.70	1.14			0.14
			Beckman AU480/680/5800/DXC700AU	158	25.43	5.54	1.41			0.22
			Siemens (Advia Series / Dimension Series)	93	28.89	6.39	1.85			0.38
			Abbott (Architect - c4000/c8000/c16000)	19	30.01	5.55	1.67			0.76
			Mindray	240	26.49	8.96	2.38			0.31
			Biosystems	232	28.28	11.91	3.37			0.44
			Transasia / Erba	763	27.44	9.31	2.56			0.19
			Agape	193	27.40	8.70	2.38			0.34
			Randox rX Series	35	26.27	6.05	1.59			0.54
			CPC (Turbochem 100 / 240 Prime)	37	28.11	13.20	3.71			1.22
			Any Analyser (Automation / Semi Automation)	883	27.58	10.09	2.78	25.9 mg/dL	-0.60	0.19
13	SODIUM	ISE - Direct	Transasia / Erba	246	127.12	3.23	4.11			0.52
			Any Analyser (Automation / Semi Automation)	1320	127.25	3.44	4.38	123.5 mmol/L	-0.86	0.24
			Roche/Hitachi 912 series	71	126.04	3.58	4.51			1.07
			Siemens Rapid Chem 744/754 series	10	128.34	1.96	2.52			1.59
14	POTASSIUM	ISE - Direct	Transasia / Erba	232	4.79	4.01	0.19			0.03
			Any Analyser (Automation / Semi Automation)	1314	4.73	5.28	0.25	4.38 mmol/L	-1.40	0.01
			Roche/Hitachi 912 series	70	4.92	3.09	0.15			0.04
			Siemens Rapid Chem 744/754 series	9	4.81	5.19	0.25			0.17
15	AST	UV kinetic(with & without PLP (P- 5-P))	Roche c111, c311, Integra 400, c501, c502, c503, c702	249	69.53	5.77	4.01			0.51
			Beckman AU480/680/5800/DXC700AU	167	76.08	5.76	4.38			0.68
			Siemens (Advia Series / Dimension Series)	94	86.59	5.34	4.63			0.95
			Abbott (Architect - c4000/c8000/c16000)	25	77.13	8.08	6.23			2.49
			Mindray	284	70.63	9.75	6.89			0.82
			Biosystems	316	74.19	10.66	7.91			0.89
			Transasia / Erba	983	69.99	10.26	7.18			0.46
			Agape	224	66.50	9.85	6.55			0.88

			Randox rX Series	40	77.95	8.39	6.54			2.07
			CPC (Turbochem 100 / 240 Prime)	63	72.67	12.23	8.89			2.24
			Any Analyser (Automation / Semi Automation)	1125	73.02	10.41	7.60	71.7 U/L	-0.17	0.45
16	ALT	UV kinetic(with & without PLP (P-5-P))	Roche c111, c311, Integra 400, c501, c502, c503, c702	255	91.36	8.11	7.41			0.93
			Beckman AU480/680/5800/DXC700AU	165	96.88	6.56	6.35			0.99
			Siemens (Advia Series / Dimension Series)	96	108.34	8.75	9.48			1.93
			Abbott (Architect - c4000/c8000/c16000)	25	92.21	5.21	4.80			1.92
			Mindray	282	98.56	10.62	10.47			1.25
			Biosystems	314	96.36	12.87	12.40			1.40
			Transasia / Erba	980	90.20	13.30	11.99			0.77
			Agape	225	95.02	16.83	15.99			2.13
			Randox rX Series	40	104.74	9.54	10.00			3.16
			CPC (Turbochem 100 / 240 Prime)	62	96.33	15.23	14.67			3.73
			Any Analyser (Automation / Semi Automation)	1108	94.73	14.64	13.87	85.4 U/L	-0.67	0.83
17	ALP	PNP AMP kinetic	Roche c111, c311, Integra 400, c501, c502, c503, c702	258	82.55	6.91	5.70			0.71
			Beckman AU480/680/5800/DXC700AU	163	90.94	9.63	8.75			1.37
			Siemens (Advia Series / Dimension Series)	92	80.06	9.82	7.86			1.64
			Abbott (Architect - c4000/c8000/c16000)	22	87.95	7.40	6.51			2.77
			Mindray	228	93.96	12.71	11.94			1.58
			Biosystems	307	92.78	11.41	10.59			1.21
			Transasia / Erba	958	82.99	14.79	12.28			0.79
			Agape	113	105.41	19.31	20.36			3.83
			Randox rX Series	34	87.06	11.52	10.03			3.44
			CPC (Turbochem 100 / 240 Prime)	60	90.78	11.67	10.59			2.73
			Any Analyser (Automation / Semi Automation)	942	91.60	11.35	10.40	78.2 U/L	-1.29	0.68
18	AMYLASE	CNPG3	Beckman AU480/680/5800/DXC700AU	85	65.00	11.12	7.23			1.57
			Siemens (Advia Series / Dimension Series)	52	67.97	4.57	3.10			0.86
			Abbott (Architect - c4000/c8000/c16000)	10	75.01	4.80	3.60			2.28
			Biosystems	143	65.22	14.06	9.17			1.53
			Transasia / Erba	495	50.94	18.02	9.18			0.83
			Agape	100	55.65	11.77	6.55			1.31
			CPC (Turbochem 100 / 240 Prime)	25	70.51	13.42	9.46			3.79
			Any Analyser (Automation / Semi Automation)	510	66.74	18.69	12.47	66.98 U/L	0.02	1.10
19	IRON	Ferrene (No Protein Removal)	Siemens (Advia Series / Dimension Series)	25	116.78	4.23	4.94			1.98
			Abbott (Architect - c4000/c8000/c16000)	14	127.49	6.27	8.00			4.27

			Any Analyser (Automation / Semi Automation)	137	120.75	14.25	17.21	109.2 ug/dL	-0.67	2.94
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u* - Method of Uncertainty

Z-Score	Interpretation
$ z \leq 2.0$	Acceptable
$2.0 < z < 3.0$	Warning Signal
$ z \geq 3.0$	Unacceptable (action Signal)

LAB ADDRESS:

PRAYAG PATH LAB

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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 *****