

VIEW LAB MONTHLY SUMMARY

Lab Name	BM LABORATORY & DIGITAL X RAY				Details About Robust Analysis						
Lab No	16544				Detail About Monthly Summary						
Month	March				Detail about Z-Score						
Year	2024										
Constituent Group	Chemistry I										
Click on the analyte to view Graphical Data				All Analyser Result		Print					
				Date of Result Entered : 18/03/2024							
				Date of Report Published : 06/04/2024							
Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	AV	Participants CV	SDPA	Your Value	Z Score	u*	
1	GLUCOSE	GOD-POD	Transasia / Erba	1019	176.25	5.91	10.41	177 mg/dL	0.07	0.65	
2	UREA	Urease UV / GLDH	Transasia / Erba	1028	25.73	10.25	2.64	26 mg/dL	0.10	0.16	
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Transasia / Erba	491	1.06	12.75	0.14	0.7 mg/dL	-2.67	0.01	
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Transasia / Erba	995	0.76	16.38	0.12	0.9 mg/dL	1.13	0.01	
5	T-PROTEIN	Biuret - Colorimetric	Transasia / Erba	1071	5.72	7.33	0.42	5.4 g/dL	-0.76	0.03	
6	ALBUMIN	BCG - colorimetric	Transasia / Erba	1051	3.50	4.80	0.17	3.2 g/dL	-1.79	0.01	
7	CALCIUM	Arsenazo III	Transasia / Erba	758	9.70	7.31	0.71	9.1 mg/dL	-0.85	0.05	
8	URIC ACID	Enzymatic / Uricase Colorimetric	Transasia / Erba	1001	3.23	10.29	0.33	3.1 mg/dL	-0.39	0.02	
9	CHOLESTEROL	CHOD-PAP	Transasia / Erba	1071	111.23	8.30	9.24	98 mg/dL	-1.43	0.56	
10	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Transasia / Erba	853	78.55	11.83	9.29	95 mg/dL	1.77	0.64	
11	HDL	Direct method / Enzymatic colorimetric	Transasia / Erba	816	28.21	10.88	3.07	24 mg/dL	-1.37	0.21	
12	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1339	137.32	2.73	3.75	136 mmol/L	-0.35	0.20	
13	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1366	3.58	4.83	0.17	3.8 mmol/L	1.27	0.01	
14	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	1112	103.75	3.60	3.74	103.7 mmol/L	-0.01	0.22	
15	AST	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	1001	56.48	10.01	5.65	73 U/L	2.92	0.36	
16	ALT	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	960	84.84	13.87	11.77	98 U/L	1.12	0.76	
17	ALP	PNP AMP kinetic	Transasia / Erba	899	119.01	13.47	16.03	97 U/L	-1.37	1.07	

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)

Links

Modify Address	Modify Methods	Submit Lab Results	View Lab Monthly Summary
Yearly Summary	Change Password	Home	Sign-out



CHRISTIAN MEDICAL COLLEGE
DEPARTMENT OF CLINICAL BIOCHEMISTRY
CMC EXTERNAL QUALITY ASSURANCE SCHEME



PC-1024

Lab Name **BM LABORATORY & DIGITAL X RAY** Lab No **16544**
 Constituent Group **Chemistry I** Date of Result Entered **18/03/2024**
 PT item **Lyophilized human serum based** Date of Report Published **06/04/2024**

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)	28	170.49	4.66	7.95			3.00
			Mindray	258	172.15	4.75	8.18			1.02
			Biosystems	330	167.44	5.46	9.14			1.01
			Transasia / Erba	1019	176.25	5.91	10.41	177 mg/dL	0.07	0.65
			Agape	215	175.08	5.97	10.46			1.43
			Randox rX Series	43	176.57	4.41	7.78			2.37
			CPC (Turbochem 100 / 240 Prime)	74	171.01	6.66	11.40			2.65
			Any Analyser (Automation / Semi Automation)	1212	168.46	5.37	9.05			0.52
			2	UREA	Urease UV / GLDH	Roche c111, c311, Integra 400, c501, c502, c503, c702	275	24.91	5.93	1.48
Beckman AU480/680/5800/DXC700AU	183	25.47				5.16	1.32			0.19
Siemens (Advia Series / Dimension Series)	103	24.27				7.13	1.73			0.34
Abbott (Architect - c4000/c8000/c16000)	25	25.62				7.54	1.93			0.77
Mindray	308	26.40				6.50	1.72			0.20
Biosystems	314	24.80				10.71	2.66			0.30
Transasia / Erba	1028	25.73				10.25	2.64	26 mg/dL	0.10	0.16
Agape	228	26.15				8.09	2.12			0.28
Randox rX Series	46	22.85				9.77	2.23			0.66
CPC (Turbochem 100 / 240 Prime)	55	26.05				10.60	2.76			0.74
Any Analyser (Automation / Semi Automation)	1028	26.16				11.14	2.91			0.18
3	CREATININE	Jaffes Kinetic - Alkaline picrate				Roche c111, c311, Integra 400, c501, c502, c503, c702	242	0.99	6.36	0.06
			Beckman AU480/680/5800/DXC700AU	122	0.98	10.54	0.10			0.02
			Siemens (Advia Series / Dimension Series)	94	0.97	8.84	0.09			0.02
			Abbott (Architect - c4000/c8000/c16000)	24	0.94	8.42	0.08			0.03
			Mindray	171	1.01	11.37	0.12			0.02
			Biosystems	256	1.02	14.47	0.15			0.02
			Transasia / Erba	491	1.06	12.75	0.14	0.7 mg/dL	-2.67	0.01
			Agape	113	1.00	13.83	0.14			0.03
			Randox rX Series	26	1.04	10.40	0.11			0.04

			CPC (Turbochem 100 / 240 Prime)	57	1.09	13.00	0.14			0.04
			Any Analyser (Automation / Semi Automation)	892	0.99	12.31	0.12			0.01
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Roche c111, c311, Integra 400, c501, c502, c503, c702	269	0.76	8.07	0.06			0.01
			Beckman AU480/680/5800/DXC700AU	123	1.03	4.78	0.05			0.01
			Siemens (Advia Series / Dimension Series)	99	0.91	3.63	0.03			0.01
			Abbott (Architect - c4000/c8000/c16000)	26	0.94	6.30	0.06			0.02
			Mindray	269	0.79	14.38	0.11			0.01
			Biosystems	221	0.66	18.78	0.12			0.02
			Transasia / Erba	995	0.76	16.38	0.12	0.9 mg/dL	1.13	0.01
			Agape	191	0.83	13.49	0.11			0.02
			Randox rX Series	29	0.96	8.54	0.08			0.03
			CPC (Turbochem 100 / 240 Prime)	53	0.72	18.03	0.13			0.04
			Any Analyser (Automation / Semi Automation)	910	0.83	19.57	0.16			0.01
5	T-PROTEIN	Biuret - Colorimetric	Roche c111, c311, Integra 400, c501, c502, c503, c702	271	5.34	3.73	0.20			0.02
			Beckman AU480/680/5800/DXC700AU	173	5.31	3.83	0.20			0.03
			Siemens (Advia Series / Dimension Series)	109	5.46	4.29	0.23			0.04
			Abbott (Architect - c4000/c8000/c16000)	26	5.66	2.93	0.17			0.07
			Mindray	312	5.58	5.63	0.31			0.04
			Biosystems	335	5.70	6.30	0.36			0.04
			Transasia / Erba	1071	5.72	7.33	0.42	5.4 g/dL	-0.76	0.03
			Agape	226	5.64	4.73	0.27			0.04
			Randox rX Series	45	5.44	3.56	0.19			0.06
			CPC (Turbochem 100 / 240 Prime)	65	5.45	8.51	0.46			0.12
			Any Analyser (Automation / Semi Automation)	1188	5.74	6.49	0.37			0.02
6	ALBUMIN	BCG - colorimetric	Roche c111, c311, Integra 400, c501, c502, c503, c702	273	3.53	3.89	0.14			0.02
			Beckman AU480/680/5800/DXC700AU	177	3.36	3.42	0.12			0.02
			Siemens (Advia Series / Dimension Series)	43	3.24	5.18	0.17			0.05
			Abbott (Architect - c4000/c8000/c16000)	26	3.42	3.36	0.12			0.05
			Mindray	314	3.50	4.91	0.17			0.02
			Biosystems	319	3.41	7.90	0.27			0.03
			Transasia / Erba	1051	3.50	4.80	0.17	3.2 g/dL	-1.79	0.01
			Agape	215	3.62	5.33	0.19			0.03
			Randox rX Series	45	3.47	4.07	0.14			0.04
			CPC (Turbochem 100 / 240 Prime)	67	3.46	8.56	0.30			0.07
			Any Analyser (Automation / Semi Automation)	1165	3.51	7.61	0.27			0.02

7	CALCIUM	Arsenazo III	Beckman AU480/680/5800/DXC700AU	170	9.63	3.81	0.37			0.06
			Abbott (Architect - c4000/c8000/c16000)	23	9.37	2.80	0.26			0.11
			Mindray	255	9.66	6.96	0.67			0.08
			Biosystems	245	9.73	7.94	0.77			0.10
			Transasia / Erba	758	9.70	7.31	0.71	9.1 mg/dL	-0.85	0.05
			Agape	172	10.05	5.32	0.54			0.08
			Randox rX Series	39	9.81	5.38	0.53			0.17
			CPC (Turbochem 100 / 240 Prime)	50	10.03	8.28	0.83			0.23
			Any Analyser (Automation / Semi Automation)	993	9.74	5.72	0.56			0.04
8	URIC ACID	Enzymatic / Uricase Colorimetric	Roche c111, c311, Integra 400, c501, c502, c503, c702	270	2.96	3.65	0.11			0.01
			Beckman AU480/680/5800/DXC700AU	170	2.98	4.89	0.15			0.02
			Siemens (Advia Series / Dimension Series)	98	3.04	4.53	0.14			0.03
			Abbott (Architect - c4000/c8000/c16000)	23	2.99	3.98	0.12			0.05
			Mindray	306	3.15	8.47	0.27			0.03
			Biosystems	310	3.80	10.02	0.38			0.04
			Transasia / Erba	1001	3.23	10.29	0.33	3.1 mg/dL	-0.39	0.02
			Agape	203	3.30	9.60	0.32			0.04
			Randox rX Series	45	3.00	5.79	0.17			0.05
			CPC (Turbochem 100 / 240 Prime)	60	3.26	10.10	0.33			0.08
			Any Analyser (Automation / Semi Automation)	1079	3.54	16.34	0.58			0.04
9	CHOLESTEROL	CHOD-PAP	Roche c111, c311, Integra 400, c501, c502, c503, c702	275	114.12	3.73	4.25			0.51
			Beckman AU480/680/5800/DXC700AU	175	114.75	5.45	6.26			0.95
			Siemens (Advia Series / Dimension Series)	108	96.17	6.70	6.44			1.24
			Abbott (Architect - c4000/c8000/c16000)	25	115.03	4.36	5.01			2.01
			Mindray	311	112.71	6.29	7.08			0.80
			Biosystems	324	117.42	5.51	6.47			0.72
			Transasia / Erba	1071	111.23	8.30	9.24	98 mg/dL	-1.43	0.56
			Agape	242	109.38	8.32	9.10			1.17
			Randox rX Series	45	121.14	6.81	8.25			2.46
			CPC (Turbochem 100 / 240 Prime)	69	117.81	9.66	11.39			2.74
			Any Analyser (Automation / Semi Automation)	1195	115.97	5.49	6.36			0.37
10	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Roche c111, c311, Integra 400, c501, c502, c503, c702	254	99.70	4.21	4.20			0.53
			Beckman AU480/680/5800/DXC700AU	169	89.82	6.63	5.95			0.92
			Siemens (Advia Series / Dimension Series)	108	89.45	5.94	5.31			1.02
			Abbott (Architect - c4000/c8000/c16000)	24	96.41	6.31	6.08			2.48

			Mindray	310	96.77	6.90	6.68			0.76
			Biosystems	309	91.14	9.07	8.26			0.94
			Transasia / Erba	853	78.55	11.83	9.29	95 mg/dL	1.77	0.64
			Agape	217	91.69	7.88	7.22			0.98
			Randox rX Series	47	99.16	6.93	6.87			2.00
			CPC (Turbochem 100 / 240 Prime)	62	95.73	10.10	9.67			2.46
			Any Analyser (Automation / Semi Automation)	1151	95.64	7.93	7.59			0.45
11	HDL	Direct method / Enzymatic colorimetric	Roche c111, c311, Integra 400, c501, c502, c503, c702	258	25.11	5.36	1.34			0.17
			Beckman AU480/680/5800/DXC700AU	157	25.98	6.64	1.72			0.28
			Siemens (Advia Series / Dimension Series)	96	29.81	5.45	1.63			0.33
			Abbott (Architect - c4000/c8000/c16000)	24	30.85	5.05	1.56			0.64
			Mindray	257	27.29	7.63	2.08			0.26
			Biosystems	240	29.92	11.97	3.58			0.46
			Transasia / Erba	816	28.21	10.88	3.07	24 mg/dL	-1.37	0.21
			Agape	195	28.20	9.16	2.58			0.37
			Randox rX Series	37	26.36	7.48	1.97			0.65
			CPC (Turbochem 100 / 240 Prime)	38	30.12	12.27	3.69			1.20
			Any Analyser (Automation / Semi Automation)	944	28.07	10.95	3.07			0.20
12	SODIUM	ISE - Direct	Transasia / Erba	239	137.81	2.52	3.48			0.45
			Any Analyser (Automation / Semi Automation)	1339	137.32	2.73	3.75	136 mmol/L	-0.35	0.20
			Roche/Hitachi 912 series	76	138.17	3.61	4.99			1.15
			Siemens Rapid Chem 744/754 series	9	139.76	3.55	4.97			3.31
13	POTASSIUM	ISE - Direct	Transasia / Erba	244	3.56	4.87	0.17			0.02
			Any Analyser (Automation / Semi Automation)	1366	3.58	4.83	0.17	3.8 mmol/L	1.27	0.01
			Roche/Hitachi 912 series	75	3.63	3.92	0.14			0.03
			Siemens Rapid Chem 744/754 series	9	3.66	4.42	0.16			0.11
14	CHLORIDE	ISE - Direct	Transasia / Erba	190	104.03	3.31	3.44			0.50
			Any Analyser (Automation / Semi Automation)	1112	103.75	3.60	3.74	103.7 mmol/L	-0.01	0.22
			Roche/Hitachi 912 series	60	102.80	2.85	2.93			0.76
			Siemens Rapid Chem 744/754 series	8	104.34	2.12	2.21			1.56
15	AST	UV kinetic (with & without PLP (P-5-P))	Roche c111, c311, Integra 400, c501, c502, c503, c702	253	56.01	5.67	3.17			0.40
			Beckman AU480/680/5800/DXC700AU	171	61.52	5.61	3.45			0.53
			Siemens (Advia Series / Dimension Series)	98	72.92	6.11	4.46			0.90
			Abbott (Architect - c4000/c8000/c16000)	27	61.14	8.39	5.13			1.98
			Mindray	298	56.72	10.41	5.90			0.68
			Biosystems	302	58.65	10.24	6.01			0.69

			Transasia Erba	1001	56.48	10.01	5.65	73 U/L	2.92	0.36
			Agape	220	53.96	10.13	5.47			0.74
			Randox rX Series	41	60.43	9.70	5.86			1.83
			CPC (Turbochem 100 / 240 Prime)	49	59.66	10.50	6.26			1.79
			Any Analyser (Automation / Semi Automation)	1130	58.20	9.44	5.50			0.33
16	ALT	UV kinetic (with & without PLP (P-5-P))	Roche c111, c311, Integra 400, c501, c502, c503, c702	250	85.72	8.13	6.97			0.88
			Beckman AU480/680/5800/DXC700AU	154	90.92	7.10	6.45			1.04
			Siemens (Advia Series / Dimension Series)	88	103.22	7.11	7.33			1.56
			Abbott (Architect - c4000/c8000/c16000)	26	87.39	8.97	7.84			3.08
			Mindray	291	92.89	10.95	10.17			1.19
			Biosystems	286	89.78	11.43	10.26			1.21
			Transasia Erba	960	84.84	13.87	11.77	98 U/L	1.12	0.76
			Agape	206	89.66	13.47	12.08			1.68
			Randox rX Series	35	96.90	9.25	8.96			3.03
			CPC (Turbochem 100 / 240 Prime)	52	88.71	11.79	10.46			2.90
			Any Analyser (Automation / Semi Automation)	1121	86.34	12.41	10.71			0.64
17	ALP	PNP AMP kinetic	Roche c111, c311, Integra 400, c501, c502, c503, c702	270	112.02	7.19	8.06			0.98
			Beckman AU480/680/5800/DXC700AU	168	127.86	8.79	11.24			1.73
			Siemens (Advia Series / Dimension Series)	99	109.06	7.18	7.83			1.57
			Abbott (Architect - c4000/c8000/c16000)	26	116.64	7.49	8.73			3.42
			Mindray	220	128.54	11.88	15.27			2.06
			Biosystems	296	125.97	10.51	13.24			1.54
			Transasia Erba	899	119.01	13.47	16.03	97 U/L	-1.37	1.07
			Agape	114	142.27	14.92	21.22			3.97
			Randox rX Series	35	114.02	11.46	13.06			4.42
			CPC (Turbochem 100 / 240 Prime)	53	122.07	12.36	15.08			4.14
			Any Analyser (Automation / Semi Automation)	880	127.56	14.89	18.99			1.28

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:

BM LABORATORY & DIGITAL X RAY
TG BADAVANE 1ST MAIN ROAD, KAMMAVARI PETE
HOSKOTE
KARNATAKA,562114



Pamela Christudoss

Dr. Pamela Christudoss
CMC EQAS Coordinator

Coordinator Contact details:
Email:clinqc@cmcvellore.ac.in

Preventive and Corrective Action Report

Customer Name: BM laboratory and Digital X-Ray

Address: Hoskote

Problem Reported Major / Minor ✓	CREATININE EQAS (March month 2024) is within Warning Range. Not Creatinine z score is (-2.67)
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Date	6/4/2024	Time	10:00 Am
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Description of deficiency:	CREATININE Parameters is not within Warning Range SD (-2.67)
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Finding:	Replaced the Reagent Pack and Recalibrated the CREATININE. After Calibration Done. Retained Sample March Month EQAS Testing
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Preventive Action:	Before Running Any EQAS Sample. Level 1 and level 2 Control values to be checked Compulsory.
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Corrective Action :

Replaced the CREATININE Reagent Pack . Done Calibration: After Doing Calibration Rerunned Retained CaAs

Sample The value got is within Acceptable limits

Crea - 0.98mg/dL mean - 1.06

CAPA Report Prepared by: Jithendra
Designation: Quality Head
Sign: Jithendra
Date: 6/4/2024.

