



CHRISTIAN MEDICAL COLLEGE

VELLORE, TAMIL NADU - 632004, INDIA

DEPARTMENT OF CLINICAL BIOCHEMISTRY CMC EXTERNAL QUALITY ASSURANCE SCHEME



PC-1024

MONTHLY SUMMARY REPORT - JUNE 2024

LAB NO: 0399

LAB NAME: **MORRIS MATHIAS HOSPITAL**

CONSTITUENT GROUP

Chemistry I

Date of Result Entered: 15/06/2024

Date of Result Published: 27/06/2024

PT Item: Lyophilized human serum based

S. No.	Analyte	Method / Principle	Analyser	No. of Participants	AV	Participants		Your Value	Z Score	u*	
						CV	SDPA				
1	GLUCOSE	Hexokinase	Beckman AU480/680/5800/DXC70 0AU	164	304.41	4.39	13.38	328.6 mg/dL	1.81	2.09	G
2	UREA	Urease UV / GLDH	Beckman AU480/680/5800/DXC70 0AU	198	78.9	5.37	4.23	86 mg/dL	1.68	0.6	G
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Beckman AU480/680/5800/DXC70 0AU	133	1.78	7.8	0.14	1.81 mg/dL	0.22	0.02	E
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrasik	Beckman AU480/680/5800/DXC70 0AU	132	2.9	5	0.14	2.99 mg/dL	0.62	0.03	E
5	T-PROTEIN	Biuret - Colorimetric	Beckman AU480/680/5800/DXC70 0AU	186	5.04	3.93	0.2	5.1 g/dL	0.3	0.03	E
6	ALBUMIN	BCG - colorimetric	Beckman AU480/680/5800/DXC70 0AU	190	3.12	4.62	0.14	3.3 g/dL	1.25	0.02	G
7	CALCIUM	Arsenazo III	Beckman AU480/680/5800/DXC70 0AU	180	9.98	3.03	0.3	10.2 mg/dL	0.73	0.05	E
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Beckman AU480/680/5800/DXC70 0AU	145	5.25	5.34	0.28	5.4 mg/dL	0.54	0.05	E
9	URIC ACID	Enzymatic / Uricase Colorimetric	Beckman AU480/680/5800/DXC70 0AU	183	3.49	4.3	0.15	3.7 mg/dL	1.4	0.02	E
10	CHOLESTEROL	CHOD-PAP	Beckman AU480/680/5800/DXC70 0AU	187	113.21	5.42	6.14	115 mg/dL	0.29	0.9	E
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Beckman AU480/680/5800/DXC70 0AU	186	100.97	6.24	6.3	104 mg/dL	0.48	0.92	E
12	HDL	Direct method / Enzymatic colorimetric	Beckman AU480/680/5800/DXC70 0AU	171	24.87	7.42	1.85	34.2 mg/dL	5.05	0.28	A.S
13	SODIUM	ISE - Indirect	Any Analyser	549	125.92	3.56	4.48	128 mmol/L	0.46	0.38	E
14	POTASSIUM	ISE - Indirect	Any Analyser	548	3.1	5.52	0.17	3.1 mmol/L	0	0.01	E



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15	AST	UV kinetic(with & without PLP (P-5-P))	Beckman AU480/680/5800/DXC70 OAU	179	82.76	8.71	7.2	80 U/L	-0.38	1.08
16	ALT	UV kinetic(with & without PLP (P-5-P))	Beckman AU480/680/5800/DXC70 OAU	174	214.86	14.13	30.36	205 U/L	-0.32	4.6
17	ALP	PNP AMP kinetic	Beckman AU480/680/5800/DXC70 OAU	177	48.06	11.97	5.75	48 U/L	-0.01	0.86
18	AMYLASE	CNPG3	Beckman AU480/680/5800/DXC70 OAU	96	73.1	9.78	7.15	61.04 U/L	-1.69	1.46
19	MAGNESIUM	Xylidyl Blue	Beckman AU480/680/5800/DXC70 OAU	75	1.55	5.98	0.09	1.5 mg/dL	-0.54	0.02

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)

ADDRESS

MORRIS MATHIAS HOSPITAL,
355, K.P.ROAD,
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Coordinator Contact Details:

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Contact No.: 0416-2283102

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 *****

Pamela Christudoss
Dr. Pamela Christudoss,
CMC EQAS Coordinator,
Christian Medical College, Vellore.

J.P.
26/7/2024
Dr. JOTHI PRASAD, M.D.,
MICROBIOLOGIST
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HbA1c

Date of Result Entered: 15/06/2024

Date of Result Published: 27/06/2024

PT Item: Lyophilized human whole blood based

S. No.	Analyte	Method / Principle	Analyser	No. of Participants	AV	Participants		Your Value	Z Score	u*
						CV	SDPA			
1	HbA1c	Turbidimetric Inhibition Immunoassay	Beckman AU480/680/5800/DXC70 OAU	40	5.67	7.83	0.44	7 %	3	0.14

u* - method of uncertainty

W.S

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

Pamela Christudoss

Dr. Pamela Christudoss,
CMC EQAS Coordinator,
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LAB ADDRESS

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