



CHRISTIAN MEDICAL COLLEGE

VELLORE, TAMIL NADU - 632004. INDIA

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME



PC-1024

MONTHLY SUMMARY REPORT - AUGUST 2024

LAB NO: 20369

LAB NAME: **BGS MEDICAL HOSPITAL**

CONSTITUENT GROUP

Chemistry I

Date of Result Entered: 19/08/2024

Date of Result Published: 02/09/2024

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	Roche c111, c311, Integra 400, c501, c502, c503, c702	268	173.73	3.73	6.49	157.9 mg/dL	-2.44	0.79
2	UREA	Urease UV / GLDH	Roche c111, c311, Integra 400, c501, c502, c503, c702	286	94.92	4.66	4.43	92.7 mg/dL	-0.5	0.52
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Roche c111, c311, Integra 400, c501, c502, c503, c702	245	4.17	5.21	0.22	4.35 mg/dL	0.82	0.03
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Roche c111, c311, Integra 400, c501, c502, c503, c702	280	3.72	5.74	0.21	3.32 mg/dL	-1.9	0.03
5	T-PROTEIN	Biuret - Colorimetric	Roche c111, c311, Integra 400, c501, c502, c503, c702	288	4.74	3.98	0.19	4.9 g/dL	0.84	0.02
6	ALBUMIN	BCG - colorimetric	Roche c111, c311, Integra 400, c501, c502, c503, c702	271	3.2	3.49	0.11	3.4 g/dL	1.82	0.01
7	CALCIUM	5-Nitro-5-methyl-BAP TA	Roche c111, c311, Integra 400, c501, c502, c503, c702	235	9.22	3.19	0.29	8.89 mg/dL	-1.14	0.04
8	URIC ACID	Enzymatic / Uricase Colorimetric	Roche c111, c311, Integra 400, c501, c502, c503, c702	282	5.47	3.72	0.2	5.5 mg/dL	0.15	0.02
9	CHOLESTEROL	CHOD-PAP	Roche c111, c311, Integra 400, c501, c502, c503, c702	285	100.67	4.3	4.32	102.1 mg/dL	0.33	0.51
10	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Roche c111, c311, Integra 400, c501, c502, c503, c702	268	180.54	3.94	7.11	181.1 mg/dL	0.08	0.87
11	HDL	Direct method / Enzymatic colorimetric	Roche c111, c311, Integra 400, c501, c502, c503, c702	268	21.52	5.24	1.13	21.76 mg/dL	0.21	0.14
12	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1499	134.52	3.11	4.18	137.5 mmol/L	0.71	0.22
13	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1499	4.73	5.63	0.27	4.81 mmol/L	0.3	0.01
14	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	1210	100.09	4.17	4.17	102.3 mmol/L	0.53	0.24



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15	AST	UV kinetic(with & without PLP (P-5-P))	Roche c111, c311, Integra 400, c501, c502, c503, c702	264	53.6	8.13	4.36	55.7 U/L	0.48	0.54
16	ALT	UV kinetic(with & without PLP (P-5-P))	Roche c111, c311, Integra 400, c501, c502, c503, c702	271	99.5	13.57	13.51	99.3 U/L	-0.01	1.64
17	ALP	PNP AMP kinetic	Roche c111, c311, Integra 400, c501, c502, c503, c702	283	99.06	8.64	8.56	119 U/L	2.33	1.02

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)

LAB ADDRESS

BGS MEDICAL HOPSITAL,
CENTRAL LABORATORY, BGS VIGNATAM SOUTH
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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.



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						CV	SDPA			
1	D.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Roche c111, c311, Integra 400, c501, c502, c503, c702	155	0.69	18.75	0.13	1 mg/dL	2.38	0.02

u* - method of uncertainty

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$ z \leq 2.0$	Acceptable
$2.0 < z < 3.0$	Warning Signal
$ z \geq 3.0$	Unacceptable (Action Signal)

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HbA1c

Date of Result Entered: 19/08/2024

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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	HPLC-Ion Exchange	Any Analyser	243	5.29	9.04	0.48	5.1 %	-0.4	0.06

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)

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