



# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - FEBRUARY 2024



PC-1024

Lab Name ESIC MODEL HOSPITAL

Lab No

3460

Constituent Group Chemistry I

Date of Result Entered :

12/02/2024

PT item Lyophilized human serum based

Date of Report Published :

05/03/2024

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	AV	Participants		Your Value	Z Score	u*
						CV	SDPA			
1	GLUCOSE	Hexokinase	Beckman AU480/680/5800/DXC700AU	147	251.61	4.22	10.62	248.86 mg/dL	-0.26	1.75
2	UREA	Urease UV / GLDH	Beckman AU480/680/5800/DXC700AU	176	64.08	5.03	3.22	65.2 mg/dL	0.35	0.49
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Beckman AU480/680/5800/DXC700AU	117	5.63	5.64	0.32	5.45 mg/dL	-0.57	0.06
4	T.BILIRUBIN	Diazonium salt (Colorimetric.) / Jendrassik	Beckman AU480/680/5800/DXC700AU	121	3.21	4.73	0.15	3.2 mg/dL	-0.07	0.03
5	T-PROTEIN	Biuret - Colorimetric	Beckman AU480/680/5800/DXC700AU	169	5.00	3.32	0.17	4.98 g/dL	-0.12	0.03
6	ALBUMIN	BCG - colorimetric	Beckman AU480/680/5800/DXC700AU	173	3.16	3.49	0.11	3.32 g/dL	1.45	0.02
7	CALCIUM	Arsenazo III	Beckman AU480/680/5800/DXC700AU	168	10.68	3.55	0.38	10.68 mg/dL	0.00	0.06
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Beckman AU480/680/5800/DXC700AU	130	3.25	6.61	0.22	3.25 mg/dL	0.00	0.04
9	URIC ACID	Enzymatic / Uricase Colorimetric	Beckman AU480/680/5800/DXC700AU	168	7.21	4.23	0.30	7.17 mg/dL	-0.13	0.05
10	CHOLESTEROL	CHOD-PAP	Beckman AU480/680/5800/DXC700AU	173	112.23	4.96	5.56	115.5 mg/dL	0.59	0.85
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Beckman AU480/680/5800/DXC700AU	171	187.80	6.49	12.18	189.8 mg/dL	0.16	1.86
12	HDL	Direct method / Enzymatic colorimetric	Beckman AU480/680/5800/DXC700AU	158	25.43	5.54	1.41	26 mg/dL	0.40	0.22
13	SODIUM	ISE - Indirect	Beckman AU480/680/5800/DXC700AU	99	129.43	1.29	1.67	127.1 mmol/L	-1.39	0.34
14	POTASSIUM	ISE - Indirect	Beckman AU480/680/5800/DXC700AU	99	5.00	1.78	0.09	4.96 mmol/L	-0.45	0.02
15	CHLORIDE	ISE - Indirect	Beckman AU480/680/5800/DXC700AU	94	94.27	2.04	1.93	92.45 mmol/L	-0.94	0.40
16	AST	UV kinetic(with & without PLP (P-5-P))	Beckman AU480/680/5800/DXC700AU	167	76.08	5.76	4.38	77.5 U/L	0.32	0.68
17	ALT	UV kinetic(with & without PLP (P-5-P))	Beckman AU480/680/5800/DXC700AU	165	96.88	6.56	6.35	102.95 U/L	0.96	0.99
18	ALP	PNP AMP kinetic	Beckman AU480/680/5800/DXC700AU	163	90.94	9.63	8.75	99.02 U/L	0.92	1.37
19	AMYLASE	CNPG3	Beckman AU480/680/5800/DXC700AU	85	65.00	11.12	7.23	85.6 U/L	2.85	1.57

u\* - Method of Uncertainty

Z-Score	Interpretation
z  ≤ 2.0	Acceptable
2.0 <  z  < 3.0	Warning Signal
z  ≥ 3.0	Unacceptable (action Signal)

LAB ADDRESS :

ESIC MODEL HOSPITAL

Dr Surekha Kirad, HOD BIOCHEMISTRY, ESIC Model Hospital, Laxmi Nagar, Ajmer Road, Jaipur-302006



*Pamela Christudoss*

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

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 \*\*\*\*\*

Sl.No	Analyte	Method / Principle	Analyzer Name	No. of Participants	CV	CV	CV
1	GLUCOSE	Hexokinase	Beckman AU5800	147	0.21	0.21	0.21
2	UREA	Urease UV (GLDH)	Beckman AU5800	177	0.18	0.18	0.18
3	CREATININE	Jaffe Kinetic / Alkaline phosphatase	Beckman AU5800	171	0.22	0.22	0.22
4	TBILIRUBIN	Diazotization / Colorimetric	Beckman AU5800	157	0.23	0.23	0.23
5	T-PROTEIN	Bimetric / Colorimetric	Beckman AU5800	159	0.08	0.08	0.08
6	ALBUMIN	BCG - colorimetric	Beckman AU5800	173	0.16	0.16	0.16
7	CALCIUM	Arsenazo II	Beckman AU5800	165	0.02	0.02	0.02
8	PHOSPHORUS	Amplifluor (UV)	Beckman AU5800	130	0.20	0.20	0.20
9	URIC ACID	Uricase / Colorimetric	Beckman AU5800	162	0.20	0.20	0.20
10	CHOLESTEROL	CHOD-PAP	Beckman AU5800	175	0.02	0.02	0.02
11	TRIGLYCERIDE	GPO-PAP / Colorimetric / End Point	Beckman AU5800	171	0.10	0.10	0.10
12	HDL	Direct method / Colorimetric	Beckman AU5800	168	0.02	0.02	0.02
13	SODIUM	ISE - Indirect	Beckman AU5800	98	0.01	0.01	0.01
14	POTASSIUM	ISE - Indirect	Beckman AU5800	98	0.01	0.01	0.01
15	CHLORIDE	ISE - Indirect	Beckman AU5800	98	0.01	0.01	0.01
16	AST	UV kinetic / without P-5	Beckman AU5800	167	0.10	0.10	0.10
17	ALT	UV kinetic / without P-5	Beckman AU5800	165	0.08	0.08	0.08
18	ALP	pHP AMP kinetic	Beckman AU5800	169	0.02	0.02	0.02
19	AMYLASE	CMPO	Beckman AU5800	30	0.02	0.02	0.02

Information	Result
Acceptable	100%
Warning signal	0%
Unacceptable (action signal)	0%





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MONTHLY SUMMARY REPORT - FEBRUARY 2024



PC-1024

Lab Name ESIC MODEL HOSPITAL Lab No 3460  
Constituent Group HbA1c Date of Result Entered : 12/02/2024  
PT item Lyophilized human whole blood based Date of Report Published : 05/03/2024

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	AV	Participants		Your Value	Z Score	u*
						CV	SDPA			
1	HbA1c	Enzymatic	Any Analyser	40	7.30	11.43	0.84	7.21 %	-0.11	-0.26

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 :

ESIC MODEL HOSPITAL

Dr Surekha Kirad, HOD BIOCHEMISTRY, ESIC Model Hospital, Laxmi Nagar, Ajmer Road, Jaipur-302006

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*Pamela Christudoss*

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