



# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - APRIL 2024



PC-1024

Lab Name **PASTEUR INSTITUTE**

Lab No **19944**

Constituent Group **Chemistry I**

Date of Result Entered : **16/04/2024**

PT item **Lyophilized human serum based**

Date of Report Published : **08/05/2024**

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	AV	Participants		Your Value	Z Score	u*
						CV	SDPA			
1	GLUCOSE	GOD-POD	Transasia / Erba	1047	129.79	5.69	7.38	119.7 mg/dL	-1.37	0.46
2	UREA	Urease UV / GLDH	Transasia / Erba	1040	37.59	8.74	3.29	32 mg/dL	-1.70	0.20
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Transasia / Erba	493	1.70	9.48	0.16	1.7 mg/dL	0.00	0.01
4	T.BILIRUBIN	Diazonium salt ( Colorimetric ) / Jendrassik	Transasia / Erba	980	2.09	12.23	0.26	1.6 mg/dL	-1.88	0.02
5	T-PROTEIN	Biuret - Colorimetric	Transasia / Erba	1065	5.29	7.34	0.39	5.1 g/dL	-0.49	0.02
6	ALBUMIN	BCG - colorimetric	Transasia / Erba	1064	3.27	5.90	0.19	3.8 g/dL	2.75	0.01
7	CALCIUM	Arsenazo III	Transasia / Erba	753	9.09	7.84	0.71	8.5 mg/dL	-0.83	0.05
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Transasia / Erba	514	6.10	9.90	0.60	5.3 mg/dL	-1.32	0.05
9	URIC ACID	Enzymatic / Uricase Colorimetric	Transasia / Erba	1048	4.91	9.31	0.46	4.7 mg/dL	-0.46	0.03
10	CHOLESTEROL	CHOD-PAP	Transasia / Erba	1066	104.18	8.57	8.92	113 mg/dL	0.99	0.55
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Transasia / Erba	1018	129.79	8.57	11.12	110.8 mg/dL	-1.71	0.70
12	HDL	Direct method / Enzymatic colorimetric	Transasia / Erba	787	26.26	10.42	2.74	24.7 mg/dL	-0.57	0.19
13	SODIUM	ISE - Direct	Transasia / Erba	249	130.93	3.40	4.46	119.7 mmol/L	-2.52	0.56
14	POTASSIUM	ISE - Direct	Transasia / Erba	250	3.18	5.60	0.18	2.9 mmol/L	-1.57	0.02
15	CHLORIDE	ISE - Direct	Transasia / Erba	199	93.05	4.60	4.28	88.8 mmol/L	-0.99	0.61
16	AST	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	988	102.05	9.54	9.74	92.1 U/L	-1.02	0.62
17	ALT	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	809	39.34	12.91	5.08	42.4 U/L	0.60	0.36
18	ALP	PNP AMP kinetic	Transasia / Erba	842	179.75	12.70	22.83	173 U/L	-0.30	1.57
19	AMYLASE	CNPG3	Transasia / Erba	404	43.87	12.63	5.54	35 U/L	-1.6	0.55
20	MAGNESIUM	Xylidyl Blue	Transasia / Erba	79	2.04	11.67	0.24	3.5 mg/dL	6.08	0.05

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 :**

**PASTEUR INSTITUTE**

**BIOCHEMISTRY LABORATORY DEPARTMENT, DIRECTORATE OF HEALTH SERVICES (RESEARCH)**

**SHILLONG**

**MEGHALAYA793001**

**Coordinator Contact Details:**

**Email: [clinqc@cmcvellore.ac.in](mailto:clinqc@cmcvellore.ac.in)**

**Contact Number: 0416-2283102**

*Pamela Christudoss*

**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 \*\*\*\*\***



# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - APRIL 2024

Lab Name **PASTEUR INSTITUTE**

Lab No **19944**

Constituent Group **Chemistry I**

Date of Result Entered : **16/04/2024**

PT item **Lyophilized human serum based**

Date of Report Published : **08/05/2024**

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	AV	Participants		Your Value	Z Score	u*
						CV	SDPA			
1	D.BILIRUBIN	Diazonium salt ( Colorimetric ) / Jendrassik	Transasia / Erba	351	0.67	14.67	0.10	0.4 mg/dL	-2.7	0.01
2	LDL	Direct method / Enzymatic colorimetric	Transasia / Erba	107	59.45	8.87	5.27	56.9 mg/dL	-0.48	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 :

**PASTEUR INSTITUTE**  
**BIOCHEMISTRY LABORATORY DEPARTMENT, DIRECTORATE OF HEALTH SERVICES (RESEARCH)**  
**SHILLONG**  
**MEGHALAYA793001**

Coordinator Contact Details:  
Email: [clinqc@cmcvellore.ac.in](mailto:clinqc@cmcvellore.ac.in)  
Contact Number: 0416-2283102

*Pamela Christudoss*

**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 \*\*\*\*\*



# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - JUNE 2024



PC-1024

Lab Name **PASTEUR INSTITUTE**

Lab No **19944**

Constituent Group **Chemistry I**

Date of Result Entered : **10/06/2024**

PT item **Lyophilized human serum based**

Date of Report Published : **27/06/2024**

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	AV	Participants		Your Value	Z Score	u*
						CV	SDPA			
1	GLUCOSE	GOD-POD	Transasia / Erba	1121	320.64	6.70	21.49	324 mg/dL	0.16	1.28
2	UREA	Urease UV / GLDH	Transasia / Erba	1081	79.92	8.37	6.69	78.2 mg/dL	-0.26	0.41
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Transasia / Erba	518	1.76	10.76	0.19	1.8 mg/dL	0.21	0.02
4	T.BILIRUBIN	Diazonium salt ( Colorimetric ) / Jendrassik	Transasia / Erba	1091	2.49	10.68	0.27	2.3 mg/dL	-0.71	0.02
5	T-PROTEIN	Biuret - Colorimetric	Transasia / Erba	1121	5.52	7.05	0.39	5.5 g/dL	-0.05	0.02
6	ALBUMIN	BCG - colorimetric	Transasia / Erba	1102	3.33	5.62	0.19	3.3 g/dL	-0.16	0.01
7	CALCIUM	Arsenazo III	Transasia / Erba	791	10.00	7.00	0.70	10.4 mg/dL	0.57	0.05
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Transasia / Erba	536	5.69	10.23	0.58	4.7 mg/dL	-1.70	0.05
9	URIC ACID	Enzymatic / Uricase Colorimetric	Transasia / Erba	1076	3.66	9.89	0.36	3.9 mg/dL	0.66	0.02
10	CHOLESTEROL	CHOD-PAP	Transasia / Erba	1110	109.19	8.42	9.19	107 mg/dL	-0.24	0.55
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Transasia / Erba	1075	83.71	13.03	10.90	76.3 mg/dL	-0.68	0.67
12	HDL	Direct method / Enzymatic colorimetric	Transasia / Erba	883	26.79	12.02	3.22	27.3 mg/dL	0.16	0.22
13	SODIUM	ISE - Direct	Transasia / Erba	267	125.36	4.02	5.04	126.7 mmol/L	0.27	0.62
14	POTASSIUM	ISE - Direct	Transasia / Erba	263	3.08	6.11	0.19	3 mmol/L	-0.43	0.02
15	CHLORIDE	ISE - Direct	Transasia / Erba	212	92.19	4.92	4.53	92 mmol/L	-0.04	0.62
16	AST	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	1028	76.47	10.30	7.88	78.4 U/L	0.25	0.49
17	ALT	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	1047	200.40	20.07	40.23	238.6 U/L	0.95	2.49
18	ALP	PNP AMP kinetic	Transasia / Erba	1000	44.83	20.18	9.05	39 U/L	-0.64	0.57
19	AMYLASE	CNPG3	Transasia / Erba	521	56.83	15.51	8.81	58 U/L	0.13	0.77
20	MAGNESIUM	Xylidyl Blue	Transasia / Erba	98	1.91	15.50	0.30	1.3 mg/dL	-2.06	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)

**LAB ADDRESS :**

**PASTEUR INSTITUTE**

**BIOCHEMISTRY LABORATORY DEPARTMENT, DIRECTORATE OF HEALTH SERVICES (RESEARCH)**

**SHILLONG**

**MEGHALAYA793001**

**Coordinator Contact Details:**

**Email: [clinqc@cmcvellore.ac.in](mailto:clinqc@cmcvellore.ac.in)**

**Contact Number: 0416-2283102**

*Pamela Christudoss*

**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 \*\*\*\*\***