



# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY  
CMC EXTERNAL QUALITY ASSURANCE SCHEME  
MONTHLY SUMMARY REPORT - APRIL 2024



Lab Name **HOPE IMAGING AND DIAGNOSTICS**

Lab No **18630**

Constituent Group **Chemistry I**

Date of Result Entered : **23/04/2024**

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	Any Analyser (Automation / Semi Automation )	1213	123.57	5.75	7.10	126.8 mg/dL	0.45	0.41
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation )	1074	36.70	9.93	3.64	35.1 mg/dL	-0.44	0.22
3	CREATININE	Jaffes End point	Any Analyser (Automation / Semi Automation )	297	1.68	9.76	0.16	2 mg/dL	2	0.02
4	T.BILIRUBIN	Diazonium salt ( Colorimetric ) / Jendrassik	Any Analyser (Automation / Semi Automation )	923	2.03	14.75	0.30	2.3 mg/dL	0.90	0.02
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation )	1193	5.29	7.82	0.41	5.2 g/dL	-0.22	0.02
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation )	1180	3.14	9.94	0.31	3.3 g/dL	0.51	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation )	995	9.04	5.70	0.52	8.4 mg/dL	-1.24	0.03
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation )	420	5.91	9.94	0.59	5.1 mg/dL	-1.38	0.06
9	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation )	905	4.93	11.04	0.54	3.9 mg/dL	-1.89	0.04
10	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation )	1185	111.11	7.21	8.01	111.9 mg/dL	0.10	0.47
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation )	1164	143.21	8.56	12.26	151.1 mg/dL	0.64	0.72
12	HDL	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation )	916	27.08	10.43	2.82	25.9 mg/dL	-0.42	0.19
13	SODIUM	ISE - Indirect	Any Analyser	541	131.13	3.42	4.49	113.3 mmol/L	-3.98	0.39
14	POTASSIUM	ISE - Indirect	Any Analyser	530	3.20	5.34	0.17	2.4 mmol/L	-4.68	0.01
15	AST	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation )	1108	100.67	8.30	8.36	127.2 U/L	3.17	0.50

16	ALT	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation )	960	38.99	12.15	4.74	36.1 U/L	-0.61	0.31
17	ALP	PNP AMP kinetic	Any Analyser (Automation / Semi Automation )	956	180.71	11.32	20.46	156.5 U/L	-1.18	1.32

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 :**

**HOPE IMAGING AND DIAGNOSTICS**

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