



CHRISTIAN MEDICAL COLLEGE

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



PC-1024

Lab Name **HOPE IMAGING AND DIAGNOSTICS**

Lab No **18630**

Constituent Group **Chemistry I**

Date of Result Entered : **13/05/2024**

PT item **Lyophilized human serum based**

Date of Report Published : **30/05/2024**

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)	1236	172.76	5.94	10.27	175 mg/dL	0.22	0.58
2	UREA	Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	1115	92.31	7.71	7.12	93 mg/dL	0.10	0.43
3	CREATININE	Jaffes End point	Any Analyser (Automation / Semi Automation)	257	3.88	9.95	0.39	4 mg/dL	0.31	0.05
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Any Analyser (Automation / Semi Automation)	774	3.87	11.24	0.44	4.1 mg/dL	0.53	0.03
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	1155	5.23	6.56	0.34	5 g/dL	-0.67	0.02
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	1174	3.11	9.07	0.28	3 g/dL	-0.39	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	994	9.45	5.60	0.53	8.5 mg/dL	-1.80	0.03
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation)	365	4.62	10.02	0.46	4.2 mg/dL	-1.43	0.15
9	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	975	5.91	9.90	0.58	4 mg/dL	-3.29	0.04
10	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	1229	102.69	7.38	7.58	102 mg/dL	-0.09	0.43
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation)	1164	168.51	6.16	10.37	158 mg/dL	-1.01	0.61
12	HDL	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation)	887	23.44	10.01	2.35	21 mg/dL	-1.04	0.16
13	SODIUM	ISE - Indirect	Any Analyser	536	134.47	3.02	4.06	135.6 mmol/L	0.28	0.35
14	POTASSIUM	ISE - Indirect	Any Analyser	529	4.73	5.66	0.27	5.1 mmol/L	1.38	0.02
15	AST	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1115	55.28	9.90	5.47	65 U/L	1.78	0.33

16	ALT	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	1010	103.70	11.18	11.60	115 U/L	0.97	0.73
17	ALP	PNP AMP kinetic	Any Analyser (Automation / Semi Automation)	925	100.48	9.83	9.88	84 U/L	-1.67	0.65

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

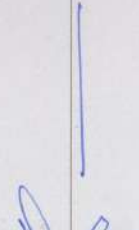
CMC EQAS does not sub contract any components

******* End of Report *******



Hope Imaging & Diagnostics

Corrective Action and Preventive Action (CAPA) – EQAS

<u>Date</u>	<u>Non Conformity Observed</u>	<u>Root Cause Analysis and Corrective, Preventive Actions Taken</u>	<u>Date of closure</u>	<u>Signature</u>
01.06.2024	EQAS value of CMC, Clinical Biochemistry for month of MAY, 2024 <u>SDI Value:-</u> <ul style="list-style-type: none">• Uric Acid : - -3.29 Rest all the parameter's SDI are ok	<ul style="list-style-type: none">✓ Checked the control values and trend of LJ on the day of EQAS run-OK. No shift or drift.✓ Checked the Equipment for any maintenance or breakdown - OK.✓ All QMS activity as usual.✓ EQAS results Checked- No Typographical Error- OK.✓ Took the EQAS sample out and thawed and rerun values obtained. <ul style="list-style-type: none">• URIC ACID : - 5.24 <ul style="list-style-type: none">✓ To be monitored in next Cycle.	02.06.2024	Doctor & Quality Manager 

Sample No.	Barcode	Assay Name	Dilution Ratio	Result	Unit	Flag
508	EQAS REP	URIC ACID		5.24	g/dL	

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Sachin