



CHRISTIAN MEDICAL COLLEGE
DEPARTMENT OF CLINICAL BIOCHEMISTRY
CMC EXTERNAL QUALITY ASSURANCE SCHEME
MONTHLY SUMMARY REPORT - JANUARY 2024



Lab Name	CLINICA DIAGNOSTICS	Lab No	20244
Constituent Group	Chemistry II	Date of Result Entered :	24/01/2024
PT item	Lyophilized human serum based	Date of Report Published :	06/02/2024

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	AV	Participants		Your Value	Z Score	u*
						CV	SDPA			
1	GLUCOSE II	GOD-POD II	Any Analyser (Automation / Semi Automation)	943	130.93	6.55	8.58	138.3 mg/dL	0.86	0.56
2	UREA II	Urease UV / GLDH II	Any Analyser (Automation / Semi Automation)	879	37.38	8.70	3.25	40.9 mg/dL	1.08	0.22
3	CREATININE II	Enzymatic Colorimetric II	Any Analyser (Automation / Semi Automation)	469	1.70	7.11	0.12	1.74 mg/dL	0.33	0.01
4	T.BILIRUBIN II	Diazonium Salt (Colorimetric) / Jendressik II	Any Analyser (Automation / Semi Automation)	899	2.12	12.71	0.27	2.08 mg/dL	-0.15	0.02
5	T-PROTEIN II	Biuret - Colorimetric II	Any Analyser (Automation / Semi Automation)	869	5.29	6.86	0.36	6.02 g/dL	2.01	0.02
6	ALBUMIN II	BCG - Colorimetric II	Any Analyser (Automation / Semi Automation)	917	3.26	5.89	0.19	3.39 g/dL	0.68	0.01
7	URIC ACID II	Enzymatic / Uricase Colorimetric II	Any Analyser (Automation / Semi Automation)	851	5.02	9.00	0.45	5.3 mg/dL	0.62	0.03
8	CHOLESTROL II	CHOD-PAP II	Any Analyser (Automation / Semi Automation)	896	104.06	7.52	7.82	101 mg/dL	-0.39	0.52
9	TRIGLYCERIDE II	GPO-PAP / Enzymatic Colorimetric / End Point II	Any Analyser (Automation / Semi Automation)	820	129.24	7.95	10.27	127.9 mg/dL	-0.13	0.72

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 :
CLINICA DIAGNOSTICS
A UNIT OF CLINICA LIFE CARE PVT LTD, 886/B/1, KRISHNANAGAR ROAD (NG-34)
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Dr. Pamela Christudoss
CMC EQAS Coordinator
Christian Medical College, Vellore

6/25/24, 3:46 PM

External Quality Assurance Scheme - Print Monthly Summary

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 *******

Sample ID	Parameter	Target Value	Observed Value	Units	Result
101	Glucose	100	98	mg/dL	Pass
102	Cholesterol	200	195	mg/dL	Pass
103	Hemoglobin	15	14.5	g/dL	Pass
104	Hematocrit	45	44	%	Pass
105	Platelets	150	145	10 ⁹ /L	Pass
106	White Blood Cells	7000	6800	/mm ³	Pass
107	Neutrophils	60	58	%	Pass
108	Lymphocytes	30	29	%	Pass
109	Monocytes	8	7.5	%	Pass
110	Eosinophils	1	0.8	%	Pass
111	Basophils	0.5	0.4	%	Pass
112	Urea Nitrogen	10	9.5	mg/dL	Pass
113	Creatinine	1.0	0.95	mg/dL	Pass
114	BUN/Cr Ratio	10	9.8	mg/dL	Pass
115	Alkaline Phosphatase	100	95	U/L	Pass
116	Aspartate Aminotransferase	40	38	U/L	Pass
117	Alanine Aminotransferase	40	35	U/L	Pass
118	Bilirubin	1.2	1.1	mg/dL	Pass
119	Total Protein	7.0	6.8	g/dL	Pass
120	Albumin	4.0	3.8	g/dL	Pass
121	Calcium	10.0	9.8	mg/dL	Pass
122	Sodium	140	138	mEq/L	Pass
123	Potassium	4.0	3.8	mEq/L	Pass
124	Chloride	100	98	mEq/L	Pass
125	CO2	24	23	mEq/L	Pass
126	pH	7.38	7.35		Pass
127	PO2	80	78	mmHg	Pass
128	PO2 Sat	95	93	%	Pass
129	PO2 Diff	15	14	mmHg	Pass
130	PO2 Index	100	98	%	Pass
131	PO2 Index Diff	5	4.5	mmHg	Pass
132	PO2 Index Sat	95	93	%	Pass
133	PO2 Index Diff	5	4.5	mmHg	Pass
134	PO2 Index Sat	95	93	%	Pass
135	PO2 Index Diff	5	4.5	mmHg	Pass
136	PO2 Index Sat	95	93	%	Pass
137	PO2 Index Diff	5	4.5	mmHg	Pass
138	PO2 Index Sat	95	93	%	Pass
139	PO2 Index Diff	5	4.5	mmHg	Pass
140	PO2 Index Sat	95	93	%	Pass