



CHRISTIAN MEDICAL COLLEGE

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



PC-1024

Lab Name ESICMCH Lab No 15151
Constituent Group Chemistry I 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	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE	GOD-POD	Transasia / Erba	943	130.93	6.55	8.58	142.1 mg/dL	1.30	0.56
2	UREA	Urease UV / GLDH	Transasia / Erba	879	37.38	8.70	3.25	34.4 mg/dL	-0.92	0.22
3	CREATININE	Enzymatic Colorimetric	Transasia / Erba	469	1.70	7.11	0.12	1.88 mg/dL	1.49	0.01
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Transasia / Erba	899	2.12	12.71	0.27	2.21 mg/dL	0.33	0.02
5	T-PROTEIN	Biuret - Colorimetric	Transasia / Erba	869	5.29	6.86	0.36	5.3 g/dL	0.03	0.02
6	ALBUMIN	BCG - colorimetric	Transasia / Erba	917	3.26	5.89	0.19	3.4 g/dL	0.73	0.01
7	CALCIUM	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	245	8.53	4.94	0.42	9.2 mg/dL	1.59	0.05
8	PHOSPHORUS	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	197	6.19	5.23	0.32	4.5 mg/dL	-5.22	0.05
9	URIC ACID	Enzymatic / Uricase Colorimetric	Transasia / Erba	851	5.02	9.00	0.45	4.8 mg/dL	-0.49	0.03
10	CHOLESTEROL	CHOD-PAP	Transasia / Erba	896	104.06	7.52	7.82	104 mg/dL	-0.01	0.52
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Transasia / Erba	820	129.24	7.95	10.27	131.8 mg/dL	0.25	0.72
12	HDL	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	232	22.57	6.28	1.42	25.7 mg/dL	2.21	0.19
13	SODIUM	ISE - Direct	Transasia / Erba	212	131.01	2.71	3.56	130.8 mmol/L	-0.06	0.49
14	POTASSIUM	ISE - Direct	Transasia / Erba	202	3.18	4.72	0.15	2.98 mmol/L	-1.33	0.02
15	CHLORIDE	ISE - Direct	Transasia / Erba	165	93.81	4.80	4.50	85.7 mmol/L	-1.80	0.70
16	AST	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	882	105.03	8.75	9.18	112.5 U/L	0.81	0.62
17	ALT	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	864	41.91	15.00	6.29	44.7 U/L	0.44	0.43
18	ALP	PNP AMP kinetic	Transasia / Erba	853	181.38	15.45	28.02	164 U/L	-0.62	1.92
19	AMYLASE	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	146	56.10	10.81	6.06	53 U/L	-0.51	1.00
20	IRON	Dry Chemistry I	Ortho Clinical Diagnostics / Fuji - Dry Chemistry Series	86	76.33	13.78	10.52	81 ug/dL	0.44	2.27
21	MAGNESIUM	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	111	1.86	7.08	0.13	1.6 mg/dL	-1.97	0.02

SDI Range	Interpretation
Within -1.00 to +1.00	Excellent.
Within ± 1.01 to ± 2.00	Good.

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DEPARTMENT OF CLINICAL BIOCHEMISTRY
 CMC EXTERNAL QUALITY ASSURANCE SCHEME
 MONTHLY SUMMARY REPORT - DECEMBER 2023



Name: ESICMCH
 Constituent Group: HbA1c
 PT item: Lyophilized human whole blood based
 Lab No: 15151
 Date of Result Entered: 15/12/2023
 Date of Report Published: 02/01/2024

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	HbA1c	Turbidimetric Inhibition Immunoassay	Any Analyser	345	6.16	12.39	0.76	6.3 %	0.18	0.08

SDI Range	Interpretation
Within -1.00 to +1.00	Excellent.
Within ± 1.01 to ± 2.00	Good.
Within ± 2.01 to ± 2.99	Accept with caution. Warning Signal.
Beyond ± 3.0	Unacceptable performance. Action Signal.

LAB ADDRESS :
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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 *****