



CHRISTIAN MEDICAL COLLEGE

VELLORE, TAMIL NADU - 632004. INDIA

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

ALL ANALYSER REPORT - SEPTEMBER 2024

LAB NO: 20491

LAB NAME: **OREKA DIAGNOSTICS**

Chemistry II

Analyte: **GLUCOSE II**

S. No.	Method / Principle	Analyser	No. of Participants	AV	Participants		Your Value	Z Score	u*
					CV	SDPA			
1	GOD-POD II	Any Analyser (Automation / Semi Automation)	1835	217.88	10.62	23.14			1.08
2	GOD-POD II	CPC (Turbochem 100 / 240 Prime)	91	226.72	6.55	14.85			3.11
3	GOD-POD II	Robonik (Semi automatic / Fully Automatic)	547	218.93	12.32	26.98			2.31
4	GOD-POD II	Mindray	218	223.29	8.49	18.97			2.57
5	GOD-POD II	Biosystems	284	220.64	9.81	21.65			2.57
6	GOD-POD II	Transasia / Erba	1231	222	10.79	23.95	225.6 mg/dL	0.15	1.37
7	GOD-POD II	Trivitron (Labmate / Nanolab Series)	50	214.61	10.71	22.99			6.5
8	GOD-POD II	Agape	604	221.83	8.28	18.37			1.49

Analyte: **UREA II**

S. No.	Method / Principle	Analyser	No. of Participants	AV	Participants		Your Value	Z Score	u*
					CV	SDPA			
9	Urease UV / GLDH II	Robonik (Semi automatic / Fully Automatic)	339	63.21	15.71	9.93			1.08
10	Urease UV / GLDH II	CPC (Turbochem 100 / 240 Prime)	74	64.77	11.68	7.56			1.76
11	Urease UV / GLDH II	Any Analyser (Automation / Semi Automation)	1344	64.03	12.98	8.31			0.45
12	Urease UV / GLDH II	Agape	553	64.93	11.98	7.78			0.66
13	Urease UV / GLDH II	Trivitron (Labmate / Nanolab Series)	34	62.47	16.27	10.17			3.49
14	Urease UV / GLDH II	Biosystems	229	63.34	10.46	6.63			0.88
15	Urease UV / GLDH II	Transasia / Erba	1041	64.34	11.57	7.44	65.24 mg/dL	0.12	0.46
16	Urease UV / GLDH II	Beckman AU480/680/5800/DXC700AU	31	65.82	4.45	2.93			1.05
17	Urease UV / GLDH II	Mindray	200	65.93	8.52	5.61			0.79
18	Urease UV / GLDH II	Roche c111, c303, c311, Integra 400, c501, c502, c503, c702	49	63.79	4.74	3.02			0.86

Analyte: CREATININE II

S. No.	Method / Principle	Analyser	No. of Participants	AV	Participants		Your Value	Z Score	u*
					CV	SDPA			
19	Jaffes Kinetic- Alkaline Picrate II	Roche c111, c303, c311, Integra 400, c501, c502, c503, c702	40	5.16	5.71	0.29			0.09
20	Jaffes Kinetic- Alkaline Picrate II	Biosystems	216	4.71	12.1	0.57			0.08
21	Jaffes Kinetic- Alkaline Picrate II	Mindray	144	4.71	13.6	0.64			0.11
22	Jaffes Kinetic- Alkaline Picrate II	Beckman AU480/680/5800/DXC700AU	24	5.01	8.5	0.43			0.17
23	Jaffes Kinetic- Alkaline Picrate II	Agape	420	4.13	10.08	0.42			0.04
24	Jaffes Kinetic- Alkaline Picrate II	Robonik (Semi automatic / Fully Automatic)	415	4.52	12.6	0.57			0.06
25	Jaffes Kinetic- Alkaline Picrate II	CPC (Turbochem 100 / 240 Prime)	75	4.57	15.28	0.7			0.16
26	Jaffes Kinetic- Alkaline Picrate II	Any Analyser (Automation / Semi Automation)	1381	4.5	13.46	0.61			0.03
27	Jaffes Kinetic- Alkaline Picrate II	Trivitron (Labmate / Nanolab Series)	45	4.42	17.48	0.77			0.23
28	Jaffes Kinetic- Alkaline Picrate II	Transasia / Erba	754	4.53	12.5	0.57	4.88 mg/dL	0.61	0.04

Analyte: T.BILIRUBIN II

S. No.	Method / Principle	Analyser	No. of Participants	AV	Participants		Your Value	Z Score	u*
					CV	SDPA			
29	Diazonium Salt (Colorimetric) / Jendrassik II	CPC (Turbochem 100 / 240 Prime)	86	4.31	9.95	0.43			0.09
30	Diazonium Salt (Colorimetric) / Jendrassik II	Any Analyser (Automation / Semi Automation)	1677	4.35	17.76	0.77			0.04
31	Diazonium Salt (Colorimetric) / Jendrassik II	Robonik (Semi automatic / Fully Automatic)	333	4.27	18.21	0.78			0.09
32	Diazonium Salt (Colorimetric) / Jendrassik II	Transasia / Erba	1164	4.25	12.78	0.54	3.69 mg/dL	-1.04	0.03
33	Diazonium Salt (Colorimetric) / Jendrassik II	Trivitron (Labmate / Nanolab Series)	40	4.44	13.09	0.58			0.18
34	Diazonium Salt (Colorimetric) / Jendrassik II	Agape	533	4.48	13.47	0.6			0.05
35	Diazonium Salt (Colorimetric) / Jendrassik II	Mindray	227	4.38	11.86	0.52			0.07
36	Diazonium Salt (Colorimetric) / Jendrassik II	Biosystems	259	4.53	16.66	0.76			0.09
37	Diazonium Salt (Colorimetric) / Jendrassik II	Roche c111, c303, c311, Integra 400, c501, c502, c503, c702	44	3.96	5.49	0.22			0.07
38	Diazonium Salt (Colorimetric) / Jendrassik II	Beckman AU480/680/5800/DXC700AU	27	4.57	5.98	0.27			0.11

Analyte: T-PROTEIN II

S. No.	Method / Principle	Analyser	No. of Participants	AV	Participants		Your Value	Z Score	u*
					CV	SDPA			
39	Biuret - Colorimetric II	Beckman AU480/680/5800/DXC700AU	26	5.03	6.98	0.35			0.14
40	Biuret - Colorimetric II	Roche c111, c303, c311, Integra 400, c501, c502, c503, c702	46	5.1	7.82	0.4			0.12
41	Biuret - Colorimetric II	Biosystems	256	5.62	9.64	0.54			0.07
42	Biuret - Colorimetric II	Mindray	219	5.49	9.23	0.51			0.07

43	Biuret - Colorimetric II	Robonik (Semi automatic / Fully Automatic)	204	5.69	11.72	0.67			0.09
44	Biuret - Colorimetric II	Any Analyser (Automation / Semi Automation)	1509	5.63	10.52	0.59			0.03
45	Biuret - Colorimetric II	CPC (Turbochem 100 / 240 Prime)	85	5.34	15.76	0.84			0.18
46	Biuret - Colorimetric II	Agape	429	5.49	8.23	0.45			0.04
47	Biuret - Colorimetric II	Trivitron (Labmate / Nanolab Series)	38	5.65	6.58	0.37			0.12
48	Biuret - Colorimetric II	Transasia / Erba	1013	5.67	9.28	0.53	5.83 g/dL	0.3	0.03

Analyte: ALBUMIN II

S. No.	Method / Principle	Analyser	No. of Participants	AV	Participants		Your Value	Z Score	u*
					CV	SDPA			
49	BCG - Colorimetric II	CPC (Turbochem 100 / 240 Prime)	84	3.33	10.58	0.35			0.08
50	BCG - Colorimetric II	Any Analyser (Automation / Semi Automation)	1462	3.38	10.07	0.34			0.02
51	BCG - Colorimetric II	Robonik (Semi automatic / Fully Automatic)	193	3.41	10.82	0.37			0.05
52	BCG - Colorimetric II	Mindray	217	3.36	7.79	0.26			0.04
53	BCG - Colorimetric II	Biosystems	250	3.34	11	0.37			0.05
54	BCG - Colorimetric II	Roche c111, c303, c311, Integra 400, c501, c502, c503, c702	44	3.39	5.2	0.18			0.05
55	BCG - Colorimetric II	Beckman AU480/680/5800/DXC700AU	26	3.21	5.11	0.16			0.06
56	BCG - Colorimetric II	Transasia / Erba	1010	3.4	7.95	0.27	3.2 g/dL	-0.74	0.02
57	BCG - Colorimetric II	Trivitron (Labmate / Nanolab Series)	40	3.36	10.87	0.37			0.12
58	BCG - Colorimetric II	Agape	418	3.33	9.11	0.3			0.03

Analyte: URIC ACID II

S. No.	Method / Principle	Analyser	No. of Participants	AV	Participants		Your Value	Z Score	u*
					CV	SDPA			
59	Enzymatic / Uricase Colorimetric II	Trivitron (Labmate / Nanolab Series)	42	7.8	14.53	1.13			0.35
60	Enzymatic / Uricase Colorimetric II	Transasia / Erba	1147	7.72	12.41	0.96	7.97 mg/dL	0.26	0.06
61	Enzymatic / Uricase Colorimetric II	Agape	540	7.83	11.52	0.9			0.08
62	Enzymatic / Uricase Colorimetric II	Robonik (Semi automatic / Fully Automatic)	287	7.67	16.8	1.29			0.15
63	Enzymatic / Uricase Colorimetric II	Any Analyser (Automation / Semi Automation)	1685	7.77	15.09	1.17			0.06
64	Enzymatic / Uricase Colorimetric II	CPC (Turbochem 100 / 240 Prime)	87	7.63	11.25	0.86			0.18
65	Enzymatic / Uricase Colorimetric II	Beckman AU480/680/5800/DXC700AU	26	7.74	8.47	0.65			0.26
66	Enzymatic / Uricase Colorimetric II	Roche c111, c303, c311, Integra 400, c501, c502, c503, c702	43	7.54	4.79	0.36			0.11
67	Enzymatic / Uricase Colorimetric II	Biosystems	261	7.98	12.59	1			0.12
68	Enzymatic / Uricase Colorimetric II	Mindray	224	7.67	9.12	0.7			0.09

Analyte: CHOLESTROL II

S. No.	Method / Principle	Analyser	No. of Participants	AV	Participants		Your Value	Z Score	u*
					CV	SDPA			
69	CHOD-PAP II	CPC (Turbochem 100 / 240 Prime)	89	113.08	11.96	13.52			2.87
70	CHOD-PAP II	Any Analyser (Automation / Semi Automation)	1833	115.03	12.58	14.47			0.68
71	CHOD-PAP II	Robonik (Semi automatic / Fully Automatic)	529	114.75	12.92	14.82			1.29
72	CHOD-PAP II	Agape	608	111.3	11.84	13.17			1.07
73	CHOD-PAP II	Transasia / Erba	1209	110.29	13.9	15.33	104.7 mg/dL	-0.36	0.88
74	CHOD-PAP II	Trivitron (Labmate / Nanolab Series)	47	120.54	16.75	20.19			5.89
75	CHOD-PAP II	Mindray	224	109.63	7.14	7.83			1.05
76	CHOD-PAP II	Biosystems	273	113.84	11.81	13.45			1.63
77	CHOD-PAP II	Roche c111, c303, c311, Integra 400, c501, c502, c503, c702	44	107.82	4.29	4.63			1.39
78	CHOD-PAP II	Beckman AU480/680/5800/DXC700AU	26	105.4	5.38	5.67			2.22

Analyte: TRIGLYCERIDE II

S. No.	Method / Principle	Analyser	No. of Participants	AV	Participants		Your Value	Z Score	u*
					CV	SDPA			
79	GPO-PAP / Enzymatic Colorimetric / End Point II	Roche c111, c303, c311, Integra 400, c501, c502, c503, c702	39	174.67	4.19	7.32			2.34
80	GPO-PAP / Enzymatic Colorimetric / End Point II	Beckman AU480/680/5800/DXC700AU	26	160.83	8.38	13.47			5.28
81	GPO-PAP / Enzymatic Colorimetric / End Point II	Mindray	223	165.18	8.76	14.46			1.94
82	GPO-PAP / Enzymatic Colorimetric / End Point II	Biosystems	253	165.07	12.31	20.32			2.55
83	GPO-PAP / Enzymatic Colorimetric / End Point II	CPC (Turbochem 100 / 240 Prime)	90	162.6	12.68	20.61			4.35
84	GPO-PAP / Enzymatic Colorimetric / End Point II	Any Analyser (Automation / Semi Automation)	1648	162.71	14.06	22.88			1.13
85	GPO-PAP / Enzymatic Colorimetric / End Point II	Trivitron (Labmate / Nanolab Series)	43	172.52	12.74	21.98			6.71
86	GPO-PAP / Enzymatic Colorimetric / End Point II	Transasia / Erba	1124	148.47	15.23	22.61	174 mg/dL	1.13	1.35
87	GPO-PAP / Enzymatic Colorimetric / End Point II	Agape	474	159.92	11.14	17.82			1.64
88	GPO-PAP / Enzymatic Colorimetric / End Point II	Robonik (Semi automatic / Fully Automatic)	238	159.96	15.42	24.66			3.2

Z-Score	Interpretation
$ z \leq 2.0$	Acceptable
$2.0 < z < 3.0$	Warning Signal
$ z \geq 3.0$	Unacceptable (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 *****

Pamela Christudoss

Dr. Pamela Christudoss,
CMC EQAS Coordinator,
Christian Medical College, Vellore.