



CHRISTIAN MEDICAL COLLEGE

VELLORE, TAMIL NADU - 632004. INDIA

DEPARTMENT OF CLINICAL BIOCHEMISTRY CMC EXTERNAL QUALITY ASSURANCE SCHEME



PC-1024

MONTHLY SUMMARY REPORT - AUGUST 2024

LAB NO: 10193

LAB NAME: **QRIS HEALTH**

CONSTITUENT GROUP

Chemistry I

Date of Result Entered: 10/08/2024

Date of Result Published: 02/09/2024

PT Item: Lyophilized human serum based

S. No.	Analyte	Method / Principle	Analyser	No. of Participants	AV	Participants		Your Value	Z Score	u*
						CV	SDPA			
1	GLUCOSE	GOD-POD	Mindray	297	174.65	4.79	8.36	177.5 mg/dL	0.34	0.97
2	UREA	Urease UV / GLDH	Mindray	365	97.42	4.97	4.85	101.75 mg/dL	0.89	0.51
3	CREATININE	Enzymatic Colorimetric	Mindray	132	4.3	4.53	0.19	3.1 mg/dL	-6.32	0.03
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Mindray	317	4.05	9.15	0.37	4.82 mg/dL	2.08	0.04
5	T-PROTEIN	Biuret - Colorimetric	Mindray	367	5.03	6.02	0.3	5.3 g/dL	0.9	0.03
6	ALBUMIN	BCG - colorimetric	Mindray	359	3.2	6.59	0.21	3.1 g/dL	-0.48	0.02
7	CALCIUM	Arsenazo III	Mindray	287	9.35	5.93	0.55	10.33 mg/dL	1.78	0.07
8	URIC ACID	Enzymatic / Uricase Colorimetric	Mindray	359	5.63	5.5	0.31	5.29 mg/dL	-1.1	0.03
9	CHOLESTEROL	CHOD-PAP	Mindray	363	100.59	6.73	6.77	103 mg/dL	0.36	0.71
10	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Mindray	361	171.72	6.03	10.35	184.6 mg/dL	1.24	1.09
11	HDL	Direct method / Enzymatic colorimetric	Mindray	311	23.4	8.39	1.96	20.8 mg/dL	-1.33	0.22
12	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1499	134.52	3.11	4.18	138.5 mmol/L	0.95	0.22
13	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1499	4.73	5.63	0.27	4.99 mmol/L	0.96	0.01
14	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	1210	100.09	4.17	4.17	108.5 mmol/L	2.02	0.24
15	AST	UV kinetic(with & without PLP (P-5-P))	Mindray	352	54.9	9.72	5.34	53.6 U/L	-0.24	0.57
16	ALT	UV kinetic(with & without PLP (P-5-P))	Mindray	349	106.78	14.65	15.65	113 U/L	0.4	1.67
17	ALP	PNP AMP kinetic	Mindray	275	111.81	12.74	14.24	104.9 U/L	-0.49	1.72
18	AMYLASE	CNPG3	Any Analyser (Automation / Semi Automation)	600	77.82	20.91	16.27	76.4 U/L	-0.09	1.33



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19	IRON	Ferro Zine (No Protein Removal)	Any Analyser (Automation / Semi Automation)	427	122.31	3.22	3.93	135 ug/dL	3.23	0.38
20	UIBC	Ferro Zine (No Protein Removal)	Any Analyser (Automation / Semi Automation)	32	105.22	19.25	20.26	134.5 ug/dL	1.45	7.16

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

QRIS HEALTH,
F-24/25, SECTOR-3, ROHINI,
Delhi

Coordinator Contact Details:

E-Mail: clinqc@cmcvellore.ac.in
Contact No.: 0416-2283102

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.



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MONTHLY SUMMARY REPORT - JULY 2024

LAB NO: 10193
LAB NAME: **QRIS HEALTH**

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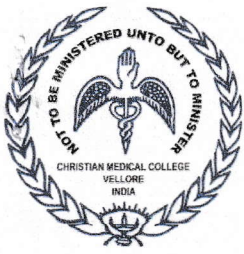
Chemistry I

PT Item: Lyophilized human serum based

Date of Result Entered: 09/07/2024

Date of Result Published: 08/08/2024

S. No.	Analyte	Method / Principle	Analyser	No. of Participants	AV	Participants		Your Value	Z Score	u*
						CV	SDPA			
1	GLUCOSE	GOD-POD	Mindray	285	130.22	5.14	6.69	127.2 mg/dL	-0.45	0.79
2	UREA	Urease UV / GLDH	Mindray	354	48.91	6.06	2.96	52.46 mg/dL	1.2	0.32
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Mindray	189	2.45	10.4	0.25	2 mg/dL	-1.8	0.04
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Mindray	310	7.46	9.28	0.69	6.5 mg/dL	-1.39	0.08
5	T-PROTEIN	Biuret - Colorimetric	Mindray	355	5.24	6.04	0.32	5.1 g/dL	-0.44	0.03
6	ALBUMIN	BCG - colorimetric	Mindray	347	3.29	6.24	0.21	3.4 g/dL	0.52	0.02
7	CALCIUM	Arsenazo III	Mindray	285	9.84	5.8	0.57	10.4 mg/dL	0.98	0.07
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Mindray	212	7.59	8.09	0.61	7.93 mg/dL	0.56	0.08
9	URIC ACID	Enzymatic / Uricase Colorimetric	Mindray	346	8.7	5.57	0.48	8.33 mg/dL	-0.77	0.05
10	CHOLESTEROL	CHOD-PAP	Mindray	354	107.37	6.28	6.74	109.9 mg/dL	0.38	0.72
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Mindray	351	126.05	9	11.34	121.9 mg/dL	-0.37	1.21
12	HDL	Direct method / Enzymatic colorimetric	Mindray	297	24.47	7.6	1.86	23 mg/dL	-0.79	0.22
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1469	133.18	3.17	4.23	132.2 mmol/L	-0.23	0.22
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1472	3.82	4.9	0.19	3.91 mmol/L	0.47	0.01
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	1198	97.9	4.58	4.48	99.9 mmol/L	0.45	0.26
16	BICARBONATE	Enzymatic - PEPC (Phosphoenolpyruvate)	Any Analyser (Automation / Semi Automation)	254	21.29	14.96	3.19	28.11 mmol/L	2.14	0.4
17	AST	UV kinetic(with & without PLP (P-5-P))	Mindray	340	111.23	9.63	10.72	105.2 U/L	-0.56	1.16



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18	ALT	UV kinetic(with & without PLP (P-5-P))	Mindray	339	52.57	18.43	9.69	41.6 U/L	-1.13	1.05
19	ALP	PNP AMP kinetic	Mindray	265	186.46	14.01	26.13	179.9 U/L	-0.25	3.21
20	AMYLASE	Enzymatic Colorimetric / G7PNP Blocked	Mindray	67	53.26	6.48	3.45	40.5 U/L	-3.7	0.84
21	IRON	Ferro Zine (No Protein Removal)	Any Analyser (Automation / Semi Automation)	425	149.81	1.63	2.44	157 ug/dL	2.95	0.24
22	MAGNESIUM	Others (Any other principles / Methods)	Any Analyser (Automation / Semi Automation)	190	2.69	19.39	0.52	2.58 mg/dL	-0.21	0.08
23	UIBC	Ferro Zine (No Protein Removal)	Any Analyser (Automation / Semi Automation)	36	90.79	22.13	20.1	90 ug/dL	-0.04	6.7
24	LITHIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	41	1.22	19.2	0.23	0.97 mmol/L	-1.09	0.07

u* - method of uncertainty

Z-Score	Interpretation
$ z \leq 2.0$	Acceptable
$2.0 < z < 3.0$	Warning Signal
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PC-1024

MONTHLY SUMMARY REPORT - MARCH 2024

LAB NO: 10193

LAB NAME: **CURIS DIAGNOSTICS PVT LTD**

CONSTITUENT GROUP

Chemistry I

Date of Result Entered: 03/03/2024

Date of Result Published: 06/04/2024

PT Item: Lyophilized human serum based

S. No.	Analyte	Method / Principle	Analyser	No. of Participants	AV	Participants		Your Value	Z Score	u*
						CV	SDPA			
1	GLUCOSE	GOD-POD	Mindray	258	172.15	4.75	8.18	171.1 mg/dL	-0.13	1.02
2	UREA	Urease UV / GLDH	Mindray	308	26.4	6.5	1.72	26.13 mg/dL	-0.16	0.2
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Mindray	171	1.01	11.37	0.12	1 mg/dL	-0.09	0.02
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Mindray	269	0.79	14.38	0.11	0.77 mg/dL	-0.18	0.01
5	T-PROTEIN	Biuret - Colorimetric	Mindray	312	5.58	5.63	0.31	6.2 g/dL	1.97	0.04
6	ALBUMIN	BCG - colorimetric	Mindray	314	3.5	4.91	0.17	3.6 g/dL	0.58	0.02
7	CALCIUM	Arsenazo III	Mindray	255	9.66	6.96	0.67	9.5 mg/dL	-0.24	0.08
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Mindray	203	6.57	7.51	0.49	3.22 mg/dL	-6.8	0.07
9	URIC ACID	Enzymatic / Uricase Colorimetric	Mindray	306	3.15	8.47	0.27	3.01 mg/dL	-0.52	0.03
10	CHOLESTEROL	CHOD-PAP	Mindray	311	112.71	6.29	7.08	116.2 mg/dL	0.49	0.8
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Mindray	310	96.77	6.9	6.68	96.3 mg/dL	-0.07	0.76
12	HDL	Direct method / Enzymatic colorimetric	Mindray	257	27.29	7.63	2.08	30.7 mg/dL	1.64	0.26
13	SODIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1339	137.32	2.73	3.75	138.4 mmol/L	0.29	0.2
14	POTASSIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	1366	3.58	4.83	0.17	3.55 mmol/L	-0.17	0.01
15	CHLORIDE	ISE - Direct	Any Analyser (Automation / Semi Automation)	1112	103.75	3.6	3.74	106.4 mmol/L	0.71	0.22
16	BICARBONATE	Enzymatic - PEPC (Phosphoenolpyruvate)	Any Analyser (Automation / Semi Automation)	180	18.69	18.67	3.49	28.3 mmol/L	2.75	0.52
17	AST	UV kinetic(with & without PLP (P-5-P))	Mindray	298	56.72	10.41	5.9	51.3 U/L	-0.92	0.68



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18	ALT	UV kinetic(with & without PLP (P-5-P))	Mindray	291	92.89	10.95	10.17	96.1 U/L	0.32	1.19
19	ALP	PNP AMP kinetic	Mindray	220	128.54	11.88	15.27	135 U/L	0.42	2.06
20	AMYLASE	Enzymatic Colorimetric / G7PNP Blocked	Mindray	61	87.29	9.82	8.57	105.2 U/L	2.09	2.2
21	IRON	Ferro Zine (No Protein Removal)	Any Analyser (Automation / Semi Automation)	432	155.11	2.25	3.49	163 ug/dL	2.26	0.34
22	MAGNESIUM	Others (Any other principles / Methods)	Any Analyser (Automation / Semi Automation)	115	3.11	14.93	0.47	2.21 mg/dL	-1.94	0.09
23	UIBC	Ferro Zine (No Protein Removal)	Any Analyser (Automation / Semi Automation)	15	111.95	24.1	26.98	45 ug/dL	-2.48	13.93
24	LITHIUM	ISE - Direct	Any Analyser (Automation / Semi Automation)	24	1.52	14.75	0.22	0.74 mmol/L	-3.47	0.09

u* - method of uncertainty

Z-Score	Interpretation
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