



CHRISTIAN MEDICAL COLLEGE

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



Lab Name USHAKAL ABHINAY INSTITUTE OF MEDICAL SCIENCES Lab No 18033
Constituent Group Chemistry I Date of Result Entered : 21/01/2023
PT item Lyophilized Serum Date of Report Published : 09/02/2023

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants CV	SD	Your Value	SDI	U
1	GLUCOSE	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	287	163.72	3.48	5.70	166 mg/dL	0.40	0.67
2	UREA	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	292	30.94	4.95	1.53	31 mg/dL	0.04	0.18
3	CREATININE	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	287	1.33	4.05	0.05	1.3 mg/dL	-0.56	0.01
4	T.BILIRUBIN	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	284	2.86	8.07	0.23	2.6 mg/dL	-1.13	0.03
5	T-PROTEIN	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	285	5.04	4.96	0.25	5 g/dL	-0.16	0.03
6	ALBUMIN	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	288	2.98	5.17	0.15	2.9 g/dL	-0.52	0.02
7	CALCIUM	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	281	8.75	4.95	0.43	8.9 mg/dL	0.35	0.05
8	PHOSPHORUS	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	230	6.14	5.13	0.32	6.1 mg/dL	-0.13	0.04
9	URIC ACID	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	280	4.24	3.30	0.14	4.3 mg/dL	0.43	0.02
10	CHOLESTEROL	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	262	105.27	4.62	4.86	109 mg/dL	0.77	0.60
11	TRIGLYCERIDE	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	264	126.62	4.42	5.60	131 mg/dL	0.78	0.69
12	HDL	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	257	21.75	7.70	1.68	20 mg/dL	-1.04	0.21
13	SODIUM	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	223	129.48	2.36	3.06	131 mmol/L	0.50	0.41
14	POTASSIUM	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	225	3.49	2.75	0.10	3.6 mmol/L	1.15	0.01
15	CHLORIDE	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	186	96.39	2.63	2.53	97 mmol/L	0.24	0.37
16	AST	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	287	63.15	5.13	3.24	66 U/L	0.88	0.38
17	ALT	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	286	68.70	8.03	5.52	64 U/L	-0.85	0.65
18	ALP	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	283	88.74	8.53	7.57	86 U/L	-0.36	0.90
19	AMYLASE	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	157	40.67	17.53	7.13	33 U/L	-1.08	1.14
20	IRON	Dry Chemistry I	Ortho Clinical Diagnostics / Fuji - Dry Chemistry Series	78	146.00	9.51	13.88	129 ug/dL	-1.22	3.14

21	MAGNESIUM	Dry Chemistry	Ortho Clinical Diagnostics Dry Chemistry Series	112	2.04	6.08	0.12	2 mg/dL	-0.32	0.02
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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 :

USHAKAL ABHINAY INSTITUTE OF MEDICAL SCIENCES
105/1, NEAR TAKSHILA SCHOOL, DHAMNI ROAD
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Contact Number: 0416-2283102

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 *****



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DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - JANUARY 2023



PC-1024

Lab Name	USHAKAL ABHINAY INSTITUTE OF MEDICAL SCIENCES	Lab No	18033
Constituent Group	Thyroid Hormones & Cortisol	Date of Result Entered :	23/01/2023
PT Item	Lyophilized Serum	Date of Report Published :	09/02/2023

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	TOTAL THYROXINE	Other Immunoassays(Any Other Principles / Methods)	Any Analyser	45	5.70	16.20	0.92	4.9 ug/dL	-0.87	0.28
2	FREE THYROXINE	ELFA (Enzyme Linked Fluorescence assay)	Vidas	131	1.20	7.83	0.09	1.1 ng/dL	-1.06	0.02
3	TSH	Other Immunoassays(Any Other Principles / Methods)	Any Analyser	55	1.79	13.27	0.24	1.7 uIU/mL	-0.38	0.06
4	TOTAL T3	Other Immunoassays(Any Other Principles / Methods)	Any Analyser	44	81.74	16.40	13.40	79 ng/dL	-0.20	4.04
5	CORTISOL	ELFA (Enzyme Linked Fluorescence assay)	Vidas	21	2.88	13.73	0.40	2.5 ug/dL	-0.96	0.17

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.

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Coordinator Contact Details:
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Contact Number: 0416-2283102

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

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



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MONTHLY SUMMARY REPORT - JANUARY 2023



PC-1024

Lab Name	USHAKAL ABHINAY INSTITUTE OF MEDICAL SCIENCES	Lab No	18033
Constituent Group	HbA1c	Date of Result Entered :	21/01/2023
PT item	Lyophilized Whole blood	Date of Report Published :	09/02/2023

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	HbA1c	HPLC-Ion Exchange	Biorad (D10 / D100 / Variant Turbo)	620	5.50	3.22	0.18	5.7 %	1.13	0.01

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.

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