



CHRISTIAN MEDICAL COLLEGE

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



PC-1024

Lab Name HCLOUD DIAGNOSTICS Lab No 16660
Constituent Group Biochemical Markers for Downs screening Date of Result Entered : 19/11/2023
PT item Lyophilized human serum based Date of Report Published : 05/12/2023

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	ALPHA FETOPROTEIN	CLIA-Chemiluminescence immunoassay / CMIA	Any Analyser	15	48.27	8.74	4.22	33.78 IU/mL	-3.43	2.18
2	FREE BETA HCG	CLIA-Chemiluminescence immunoassay / CMIA	Any Analyser	14	17.23	16.17	2.79	17.67 ng/mL	0.16	1.49
3	PAPP-A	CLIA-Chemiluminescence immunoassay / CMIA	Any Analyser	17	2.87	13.17	0.38	3.01 mIU/mL	0.37	0.18

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 :

HCLOUD DIAGNOSTICS
HCLOUD HEALTHCARE CENTRE, 161 B, 6TH MAIN, 3RD CROSS ROAD, 3RD PHASE, JP NAGAR
BENGALURU
KARNATAKA560078

Coordinator Contact Details:
Email: clinqc@cmcvellore.ac.in
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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MONTHLY SUMMARY REPORT - NOVEMBER 2023



PC-1024

Lab Name: H CLOUD DIAGNOSTICS Lab No: 16660
 Constituent Group: Chemistry I Date of Result Entered: 18/11/2023
 PT item: Lyophilized human serum based Date of Report Published: 05/12/2023

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE	Hexokinase	Any Analyser (Automation / Semi Automation)	179	96.75	5.05	4.89	99.5 mg/dL	0.56	0.73
2	UREA	Urease UV / GLDH	Transasia / Erba	926	92.07	7.06	6.50	96.4 mg/dL	0.67	0.43
3	CREATININE	Enzymatic Colorimetric	Transasia / Erba	500	1.13	8.99	0.10	1.12 mg/dL	-0.10	0.01
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrasik	Transasia / Erba	954	8.04	8.84	0.71	8.95 mg/dL	1.28	0.05
5	T-PROTEIN	Biuret - Colorimetric	Transasia / Erba	999	4.22	9.05	0.38	6.16 g/dL	5.11	0.02
6	ALBUMIN	BCG - colorimetric	Transasia / Erba	967	2.56	6.73	0.17	2.49 g/dL	-0.41	0.01
7	CALCIUM	Arsenazo III	Transasia / Erba	667	8.32	8.77	0.73	7.8 mg/dL	-0.71	0.06
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Transasia / Erba	444	6.94	9.05	0.63	7.32 mg/dL	0.61	0.06
9	URIC ACID	Enzymatic / Uricase Colorimetric	Transasia / Erba	879	3.53	8.85	0.31	3.6 mg/dL	0.22	0.02
10	CHOLESTEROL	CHOD-PAP	Transasia / Erba	944	70.16	11.67	8.19	65 mg/dL	-0.63	0.53
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Transasia / Erba	947	152.99	7.31	11.18	152.6 mg/dL	-0.03	0.73
12	HDL	Direct method / Enzymatic colorimetric	Transasia / Erba	746	20.92	13.49	2.82	32.6 mg/dL	4.14	0.21
13	SODIUM	ISE - Indirect	Any Analyser	531	122.12	3.75	4.57	118.6 mmol/L	-0.77	0.40
14	POTASSIUM	ISE - Indirect	Any Analyser	537	3.30	5.06	0.17	3.33 mmol/L	0.18	0.01
15	CHLORIDE	ISE - Indirect	Any Analyser	399	90.25	5.37	4.85	85.7 mmol/L	-0.94	0.49
16	AST	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	969	104.82	12.06	12.64	114.7 U/L	0.78	0.81
17	ALT	UV kinetic(with & without PLP (P-5-P))	Transasia / Erba	860	29.21	17.70	5.17	29.4 U/L	0.04	0.35
18	ALP	PNP AMP kinetic	Transasia / Erba	916	90.43	18.44	16.68	103 U/L	0.75	1.10
19	AMYLASE	CNPG3	Transasia / Erba	458	26.48	17.92	4.75	22 U/L	-0.94	0.44
20	IRON	Ferrene (No Protein Removal)	Any Analyser (Automation / Semi Automation)	132	112.05	10.00	11.21	111.1 ug/dL	-0.08	1.95
21	MAGNESIUM	Xylydyl Blue	Transasia / Erba	63	3.59	16.04	0.58	3.02 mg/dL	-0.99	0.15

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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Homogeneity and Stability of the sample is passed.
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******* End of Report *******



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MONTHLY SUMMARY REPORT - NOVEMBER 2023



PC-1024

Lab Name	HCLOUD DIAGNOSTICS	Lab No	16660
Constituent Group	HbA1c	Date of Result Entered :	18/11/2023
PT item	Lyophilized human whole blood based	Date of Report Published :	05/12/2023

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	305	7.45	12.44	0.93	8.9 %	1.56	0.11

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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MONTHLY SUMMARY REPORT - NOVEMBER 2023



PC-1024

Lab Name HCLOUD DIAGNOSTICS Lab No 16660
 Constituent Group Reproductive Hormones Date of Result Entered : 18/11/2023
 PT item Lyophilized human serum based Date of Report Published : 05/12/2023

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	OV	Participants		Your Value	SDI	U
						CV	SD			
1	LH	CLIA-Chemiluminescence immunoassay / CMIA	Any Analyser	89	37.36	17.98	6.72	47.05 mIU/mL	1.44	1.42
2	FSH	CLIA-Chemiluminescence immunoassay / CMIA	Any Analyser	132	29.88	13.84	4.13	26.98 mIU/mL	-0.70	0.72
3	PROLACTIN	CLIA-Chemiluminescence immunoassay / CMIA	Any Analyser	136	22.01	13.91	3.06	17.97 ng/mL	-1.32	0.53
4	TOTAL BETA HCG	CLIA-Chemiluminescence immunoassay / CMIA	Any Analyser	108	1,030.66	14.27	147.10	1010.7 mIU/mL	-0.14	28.31
5	PROGESTERONE	CLIA-Chemiluminescence immunoassay / CMIA	Any Analyser	38	20.47	15.55	3.18	17.4 nmol/L	-0.96	1.03

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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Lab Name	HCLOUD DIAGNOSTICS	Lab No	16660
Constituent Group	Thyroid Hormones & Cortisol	Date of Result Entered :	18/11/2023
PT item	Lyophilized human serum based	Date of Report Published :	05/12/2023

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No. of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	TOTAL THYROXINE	CLIA- Chemiluminescence immunoassay / CMIA	Any Analyser	340	7.05	12.44	0.88	8.22 ug/dL	1.33	0.10
2	FREE THYROXINE	CLIA- Chemiluminescence immunoassay / CMIA	Any Analyser	253	1.17	15.83	0.18	1.19 ng/dL	0.11	0.02
3	TSH	CLIA- Chemiluminescence immunoassay / CMIA	Any Analyser	415	4.72	11.31	0.53	4.59 uIU/mL	-0.24	0.05
4	TOTAL T3	CLIA- Chemiluminescence immunoassay / CMIA	Any Analyser	352	211.95	11.05	23.43	193.6 ng/dL	-0.78	2.50

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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MONTHLY SUMMARY REPORT - NOVEMBER 2023



PC-1024

Lab Name	HCLOUD DIAGNOSTICS	Lab No	16660
Constituent Group	Urine (Microalbumin & Protein)	Date of Result Entered :	18/11/2023
PT item	Lyophilized human urine based	Date of Report Published :	05/12/2023

Sl.No	Analyte	Method / Principle Name	Analyser Name	No of Participants	IV	Participants		Your Value	SDI	U
						CV	SD			
1	UR. PROTEIN	Ur. Pyrogallol	Any Analyser (Automation / Semi Automation)	100	42.85	18.78	8.05	46.5 mg/dL	0.45	1.61
2	UR. MICROALBUMIN	Ur. Immuno Turbidimetric	Any Analyser (Automation / Semi Automation)	155	230.48	19.44	44.80	286.92 mg/L	1.26	7.20

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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PC-1024

Lab Name: HCLOUD DIAGNOSTICS Lab No: 16660
 Constituent Group: Urine Chemistry Date of Result Entered: 18/11/2023
 PT item: Lyophilized human urine based Date of Report Published: 05/12/2023

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SO			
1	UR.UREA	Ur. Urease UV / GLDH	Any Analyser (Automation / Semi Automation)	46	2,437.91	15.35	374.23	3132.1 mg/dL	1.85	110.36
2	UR.CREATININE	Ur. Enzymatic Colorimetric	Any Analyser (Automation / Semi Automation)	49	34.84	5.83	2.03	33.51 mg/dL	-0.66	0.58
3	UR.CALCIUM	Ur. Arsenazo III	Any Analyser (Automation / Semi Automation)	45	7.87	6.42	0.50	7 mg/dL	-1.72	0.15
4	UR.URIC ACID	Ur. Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	45	70.48	8.33	5.87	87.7 mg/dL	2.93	1.75
5	UR.SODIUM	Ur. ISE Indirect	Any Analyser (Automation / Semi Automation)	31	82.97	7.77	6.45	81.5 mmol/L	-0.23	2.32
6	UR.POTASSIUM	Ur. ISE Indirect	Any Analyser (Automation / Semi Automation)	46	18.26	9.90	1.81	19.7 mmol/L	0.80	0.53

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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