



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - NOVEMBER 2022



PC-1024

Lab Name ANNAPURNA PATHOLOGY

Lab No

16547

Constituent Group Chemistry I

Date of Result Entered :

18/11/2022

PT Item Lyophilized Serum

Date of Report Published :

06/12/2022

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No. of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE	GOD-POD	Any Analyser (Automation / Semi Automation)	763	313.45	7.18	22.50	266.7 mg/dL	-2.08	1.63
2	UREA	Others (Urease Berthelot / Ned Dye)	Any Analyser (Automation / Semi Automation)	199	57.16	9.19	5.25	79.81 mg/dL	4.31	0.74
3	CREATININE	Jaffes Kinetic - Alkaline picrate	Any Analyser (Automation / Semi Automation)	535	3.94	10.35	0.41	4.14 mg/dL	0.49	0.04
4	T.BILIRUBIN	Diazonium salt (Colorimetric) / Jendrassik	Any Analyser (Automation / Semi Automation)	648	1.84	18.01	0.33	1.19 mg/dL	-1.96	0.03
5	T-PROTEIN	Biuret - Colorimetric	Any Analyser (Automation / Semi Automation)	741	5.69	7.80	0.44	7 g/dL	2.98	0.03
6	ALBUMIN	BCG - colorimetric	Any Analyser (Automation / Semi Automation)	743	3.43	8.07	0.28	4 g/dL	2.06	0.02
7	CALCIUM	Arsenazo III	Any Analyser (Automation / Semi Automation)	621	10.18	7.58	0.77	10.48 mg/dL	0.39	0.06
8	PHOSPHORUS	Molybdate UV / Phosphomolybdate complex	Any Analyser (Automation / Semi Automation)	440	4.29	14.40	0.62	5.67 mg/dL	2.23	0.06
9	URIC ACID	Enzymatic / Uricase Colorimetric	Any Analyser (Automation / Semi Automation)	767	3.00	10.83	0.97	8.87 mg/dL	-0.13	0.07
10	CHOLESTEROL	CHOD-PAP	Any Analyser (Automation / Semi Automation)	749	116.64	7.85	9.16	136.98 mg/dL	2.22	0.67
11	TRIGLYCERIDE	GPO-PAP / Enzymatic Colorimetric / End Point	Any Analyser (Automation / Semi Automation)	742	220.65	8.78	19.38	201.34 mg/dL	-1.00	1.42
12	HDL	Direct method / Enzymatic colorimetric	Any Analyser (Automation / Semi Automation)	521	28.19	15.91	4.49	43.74 mg/dL	3.46	0.39
13	SODIUM	OTHERS (Any Other Principles / Methods)	Any Analyser (Automation / Semi Automation)	170	137.57	3.79	5.21	130.6 mmol/L	-1.34	0.80
14	POTASSIUM	OTHERS (Any Other Principles / Methods)	Any Analyser (Automation / Semi Automation)	161	5.32	7.26	0.39	6.45 mmol/L	2.9	0.06
15	CHLORIDE	Thiocyanate	Any Analyser (Automation / Semi Automation)	52	99.14	4.52	4.49	39.14 mmol/L	-13.36	1.24
16	AST	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	667	155.52	11.05	17.18	132.58 U/L	-1.34	1.33
17	ALT	UV kinetic(with & without PLP (P-5-P))	Any Analyser (Automation / Semi Automation)	671	48.21	17.48	8.43	39.04 U/L	-1.09	0.65
18	ALP	PNP AMP kinetic	Any Analyser (Automation / Semi Automation)	503	139.79	15.45	21.59	130.59 U/L	-0.43	1.93
19	AMYLASE	CNPG3	Any Analyser (Automation / Semi Automation)	435	91.00	17.68	16.09	107.59 U/L	1.03	1.54

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 :

ANNAPURNA PATHOLOGY
DR. ANUBHA AGARWAL, 215/466, PANDARIBA CHARBAG
LUCKNOW
UTTAR PRADESH 226004

Coordinator Contact Details:
Email: clinqc@cmcvellore.ac.in
Contact Number: 0416-2283102

Pamela Christudosi
Dr. Pamela Christudosi
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 *****

Remarks:- outlier in urea and HDL.

Corrective Action:- Random error found, Re-run the EQAS sample and new SDI found satisfactory. (raw data is attached).

urea = $\frac{59.83 - 57.16}{5.25} = 0.50$, HDL = $\frac{23.69 - 28.19}{4.49} = -1.00$.

UREA

07/12/22 15:50:03

0.2

ID:002682

d. Abs. :

0.0417

Result:

59.83

0.0

0 H

1506

Next

Redo

Print

F1

F2

F3

F4

ABC

DEF

GHI

JKL

MNO

PQR

STU

VWX

YZ

Clear

1

2

3

4

5

Wash

Enter

6

7

8

9

0

-

.

Esc

HDL

07/12/22 16:04:08

Sample

ID:001368

Absorbance: 0.1975

Result : 23.69

Flag : L

Next

Redo

Reread

Print