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	CV	Participants CV	Participants SD	Your Value	SDI	U
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	Bluret - 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	9.00	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.

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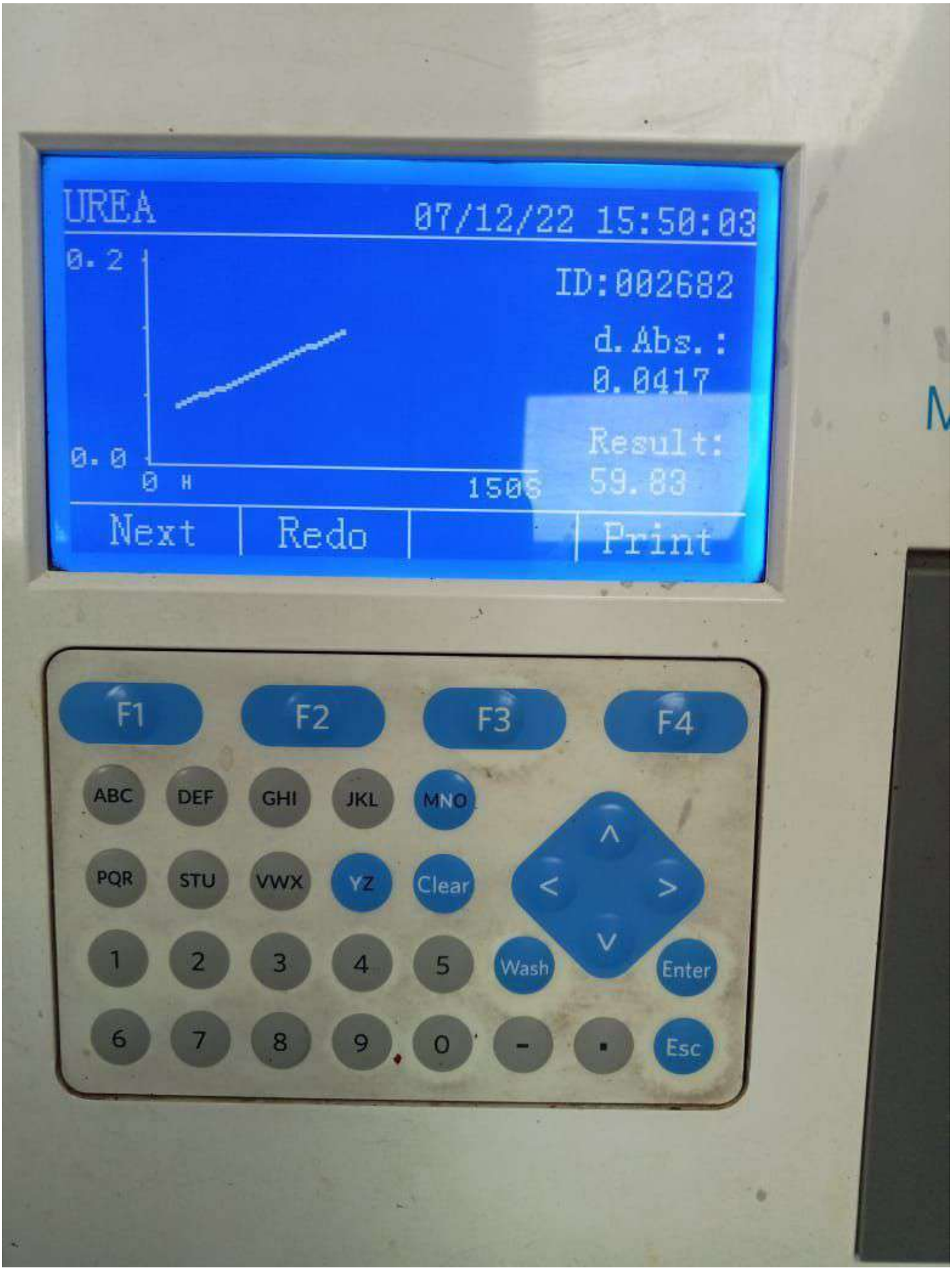
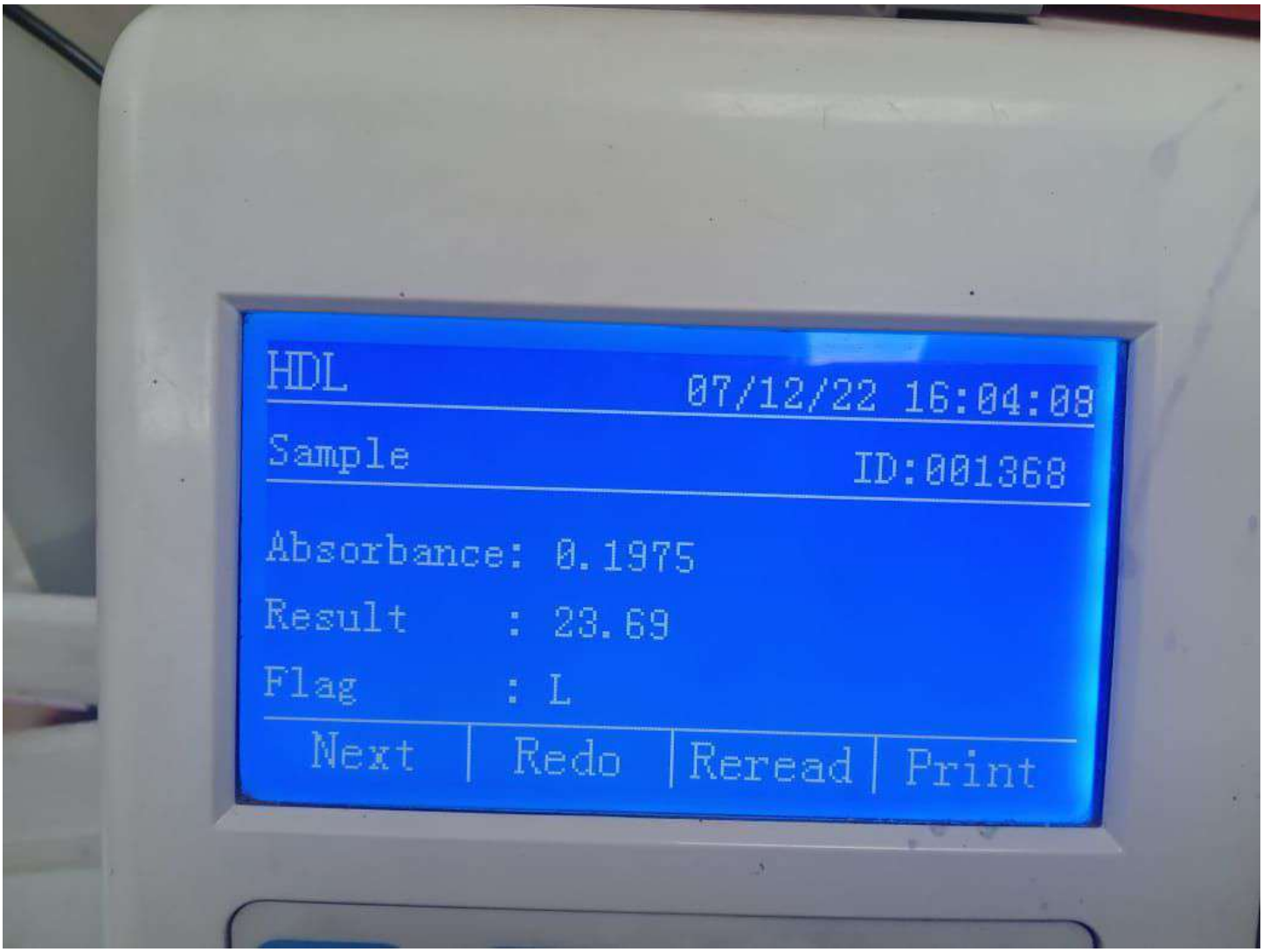
Homogeneity and Stability of the sample is passed.
Data in CMC EQAS reports is confidential
CMC EQAS does not sub contract any components
******* End of Report ******

Remarks:- outlier in urea and HDL.

Corrective Action:- Random error found, Rerun 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
0.0
0 H
150s
ID:002682
d.Abs.:
0.0417
Result:
59.83
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