

**PARTICIPANT FINAL ASSESSMENT REPORT (SUMMARY)**

**PT SCHEME: BIOCHEMISTRY**

Cycle No	C5
Ref.No.	NEUQAP608
Sample ID	NEUQAP BIO SERUM/2023/10/C5/S7

Report Date : 28/12/2023

Sample : OCT 2023

**All Methods**

	Parameters	Labs (n)	Lab Value	Unit	Assigned value	SDPA	Um	Z-Score	Remarks
1	UREA	35	19.34	mg/dL	21.67	1.07	0.245	2.18	Questionable
2	CHOLESTEROL	33	133.55	mg/dL	139.84	5.99	1.442	1.05	Satisfactory
3	ALT	33	2.45	U/L	4.30	1.33	0.380	1.40	Satisfactory
4	BILIRUBIN	34	0.14	mg/dL	0.21	0.06	0.013	1.17	Satisfactory
5	URIC ACID	33	4.63	mg/dL	3.94	0.39	0.093	1.77	Satisfactory
6	ALKALINE PHOSPHATASE	34	33.08	U/L	47.39	12.42	2.933	1.15	Satisfactory
7	DIRECT BILIRUBIN	32	0.04	mg/dL	0.11	0.04	0.009	1.98	Satisfactory
8	CALCIUM	28	8.86	mg/dL	8.57	0.33	0.082	0.88	Good
9	HDL-CHOL	28	32.65	mg/dL	33.38	7.15	1.754	0.10	Good
10	GLUCOSE	35	27.35	mg/dL	24.57	7.39	1.887	0.38	Good
11	TOTAL PROTEIN	34	6.45	g/dL	6.67	0.38	0.085	0.59	Good
12	ALBUMIN	34	3.84	g/dL	3.96	0.21	0.046	0.58	Good
13	TRIGLYCERIDES	30	155.88	mg/dL	162.21	27.31	6.827	0.23	Good
14	CREATININE	35	1.06	mg/dL	1.02	0.29	0.067	0.14	Good
15	AST	35	5.36	U/L	8.29	3.01	0.712	0.97	Good
16	SODIUM	29	Not Recvd.	mmol/L	127.05	5.34	1.263		N/A
17	POTASSIUM	29	Not Recvd.	mmol/L	4.19	0.21	0.051		N/A
18	CHLORIDE	29	Not Recvd.	mmol/L	97.45	4.02	0.934		N/A

Authorised Signatory



Dr. Sujay Prasad  
Technical Manager and Program coordinator

\* denotes adjusted SDPA as per ISO 13528:2015(E)  
SDPA - Standard Deviation for Proficiency Assessment

Technical Advisor



Dr Venkatesh

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**Peer group**

	Parameters	Labs (n)	Lab Value	Unit	Assigned value	SDPA	Um	Z-Score	Remarks
19	UREA (U V Kinetic GLDH)	6	19.34	mg/dL	21.86	1.17		2.16	Questionable
20	URIC ACID (Others)	3	4.63	mg/dL	4.18	0.19		2.33	Questionable
21	DIRECT BILIRUBIN (Others)	5	0.04	mg/dL	0.09	0.02		2.22	Questionable
22	GLUCOSE (GOD-POD)	12	27.35	mg/dL	27.35	4.86			Good
23	CHOLESTEROL (CHOD-POD)	8	133.55	mg/dL	135.34	5.16		0.35	Good
24	CREATININE (Jaffe-Kinetic)	4	1.06	mg/dL	1.10	0.24		0.17	Good
25	ALKALINE PHOSPHATASE (Others)	7	33.08	U/L	40.00	8.76		0.79	Good
26	AST (UV-Kinetic)	3	5.36	U/L	5.93	0.81		0.71	Good
27	BILIRUBIN (Others)	6	0.14	mg/dL	0.20	0.06		0.99	Good
28	TOTAL PROTEIN (Biuret)	25	6.45	g/dL	6.61	0.35	0.090	0.47	Good
29	ALBUMIN (BCG)	25	3.84	g/dL	3.97	0.21	0.054	0.61	Good
30	CALCIUM (Arsenazo)	8	8.86	mg/dL	8.55	0.36		0.87	Good
31	HDL-CHOL (Others)	5	32.65	mg/dL	31.13	6.16		0.25	Good
32	GGTP (IFCC)	12	22.12	U/L	22.76	1.69		0.38	Good
33	ALT (UV-Kinetic)	3	2.45	U/L					N/A

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Dr. Sujoy Prasad  
Technical Manager and Program coordinator

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Sample : OCT 2023

**Peer group**

	Parameters	Labs (n)	Lab Value	Unit	Assigned value	SDPA	Um	Z-Score	Remarks
34	TRIGLYCERIDES (Others)	1	155.88	mg/dL					N/A

**Interpretation of z scores is as follows:**| Z score |  $\leq 1.0$  – Good

| Z score | between 1.0 to 2.0 - Satisfactory

| Z score | between 2.0 to 3.0 - Questionable

| Z score |  $\geq 3.0$  - Unsatisfactory

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Technical Manager and Program coordinator\* denotes adjusted SDPA as per ISO 13528:2015(E)  
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**PT SCHEME: BIOCHEMISTRY**

Cycle No	C5
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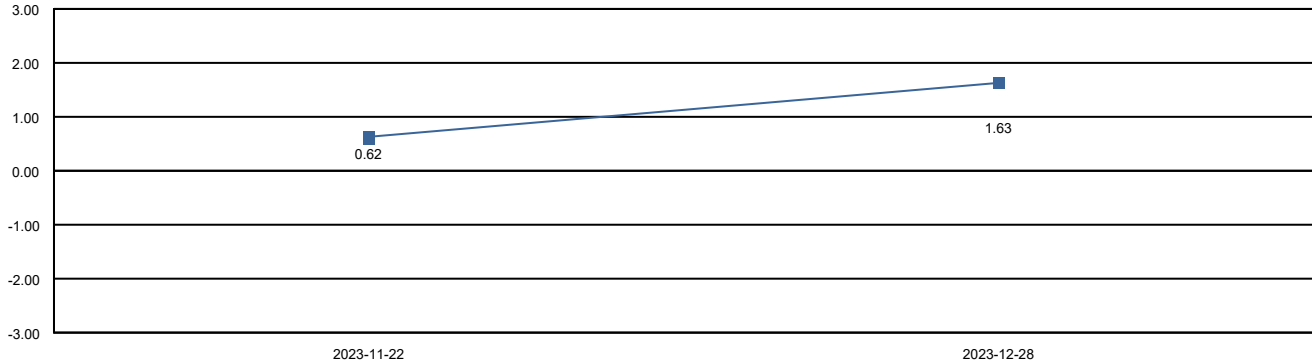
Report Date : 28/12/2023

Sample : OCT 2023

**ALBUMIN**

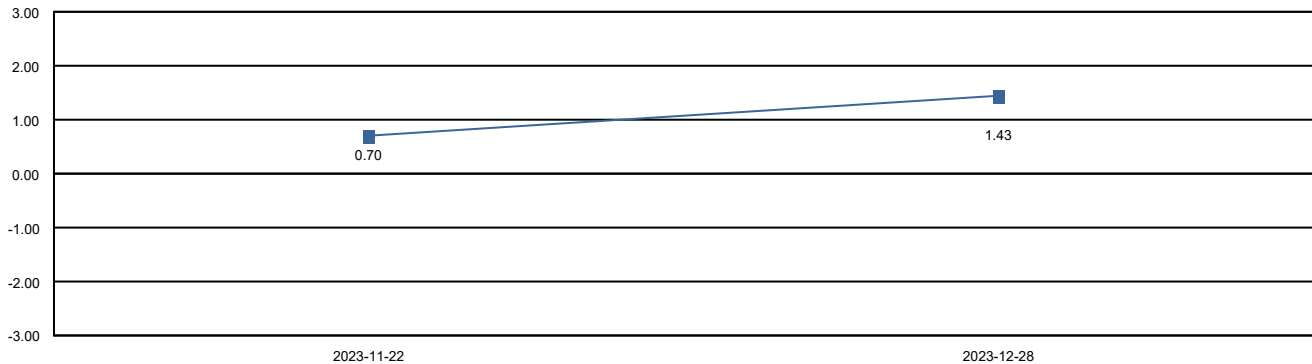
Parameters	Labs(n)	Lab Value	Unit	Assigned value	SDPA	Um	Z-Score	Remarks
All Methods	34	<b>3.84</b>	g/dL	3.96	0.21	0.046	0.58	Good

**ZScore**



Peer group (BCG)	25	<b>3.84</b>	g/dL	3.97	0.21	0.054	0.61	Good
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**ZScore**



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<b>Sample ID</b>	<b>NEUQAP BIO SERUM/2023/10/C5/S7</b>

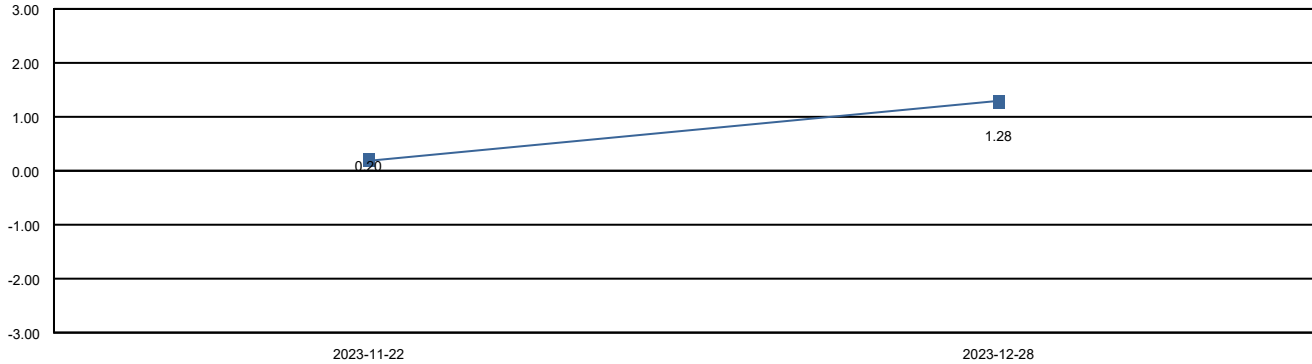
**Report Date : 28/12/2023**

**Sample : OCT 2023**

**ALKALINE PHOSPHATASE**

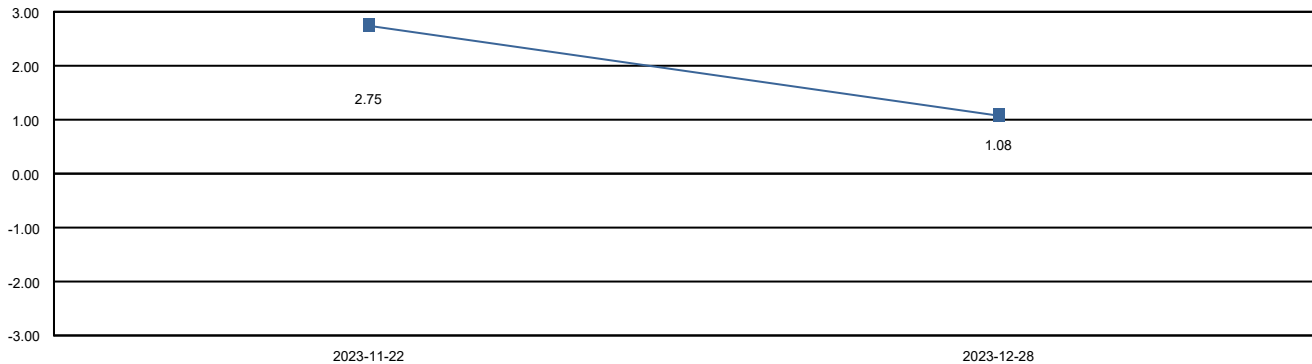
Parameters	Labs(n)	Lab Value	Unit	Assigned value	SDPA	Um	Z-Score	Remarks
All Methods	34	<b>33.08</b>	U/L	47.39	12.42	2.933	1.15	Satisfactory

**ZScore**



Peer group (Others)	7	<b>33.08</b>	U/L	40.00	8.76		0.79	Good
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**ZScore**



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<b>Sample ID</b>	<b>NEUQAP BIO SERUM/2023/10/C5/S7</b>

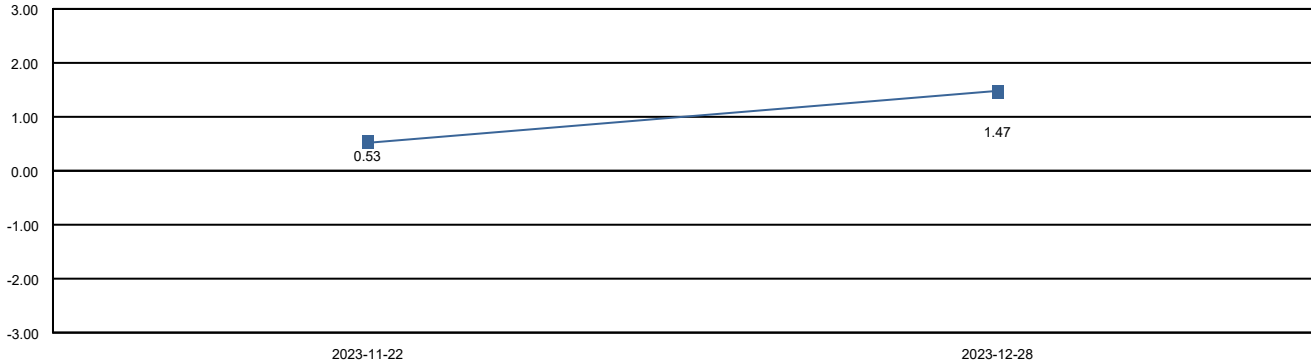
**Report Date : 28/12/2023**

**Sample : OCT 2023**

**ALT**

Parameters	Labs(n)	Lab Value	Unit	Assigned value	SDPA	Um	Z-Score	Remarks
All Methods	33	<b>2.45</b>	U/L	4.30	1.33	0.380	1.40	Satisfactory

**ZScore**



Peer group (UV-Kinetic)	3	<b>2.45</b>	U/L					N/A
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<b>Ref.No.</b>	<b>NEUQAP608</b>
<b>Sample ID</b>	<b>NEUQAP BIO SERUM/2023/10/C5/S7</b>

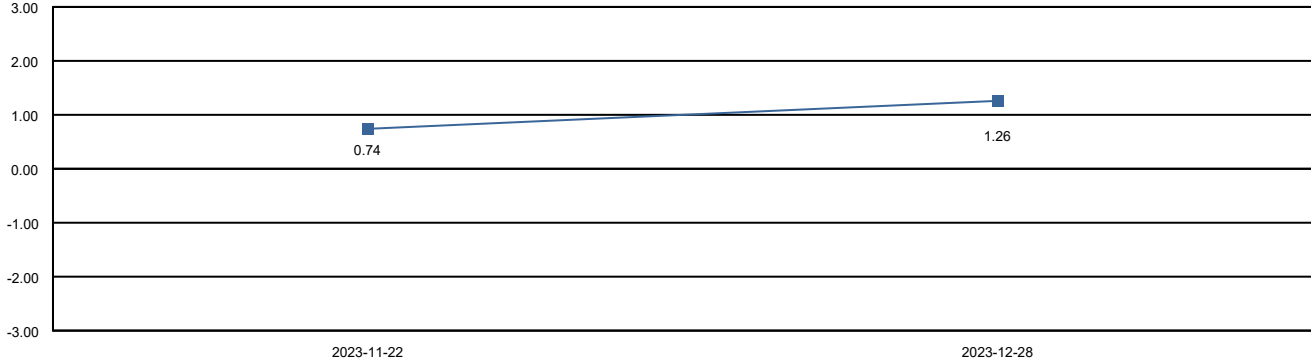
**Report Date : 28/12/2023**

**Sample : OCT 2023**

**AST**

Parameters	Labs(n)	Lab Value	Unit	Assigned value	SDPA	Um	Z-Score	Remarks
All Methods	35	<b>5.36</b>	U/L	8.29	3.01	0.712	0.97	Good

**ZScore**



Peer group (UV-Kinetic)	3	<b>5.36</b>	U/L	5.93	0.81		0.71	Good
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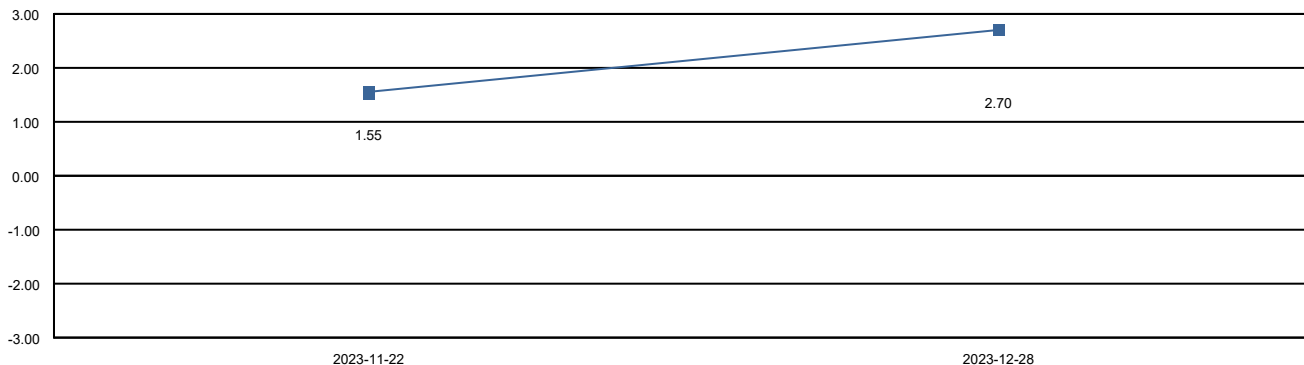
**Report Date : 28/12/2023**

**Sample : OCT 2023**

**BILIRUBIN**

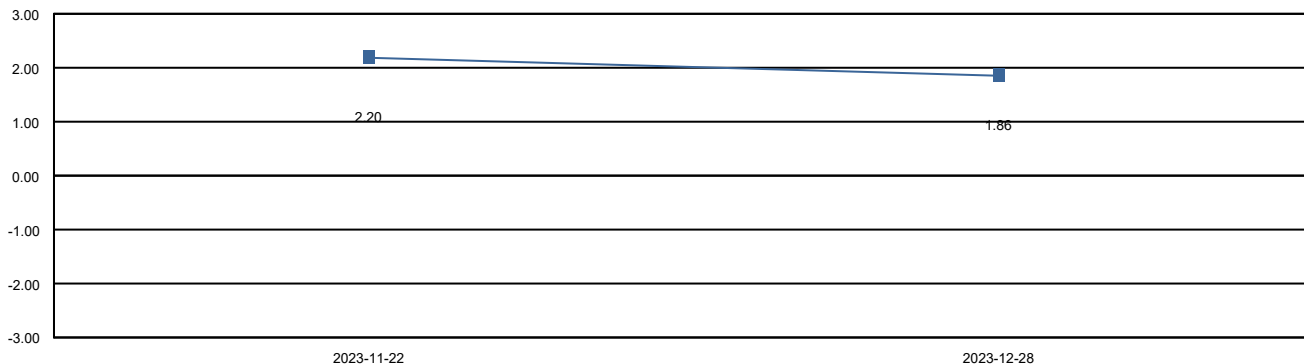
Parameters	Labs(n)	Lab Value	Unit	Assigned value	SDPA	Um	Z-Score	Remarks
All Methods	34	<b>0.14</b>	mg/dL	0.21	0.06	0.013	1.17	Satisfactory

**ZScore**



Peer group (Others)	6	<b>0.14</b>	mg/dL	0.20	0.06		0.99	Good
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**ZScore**



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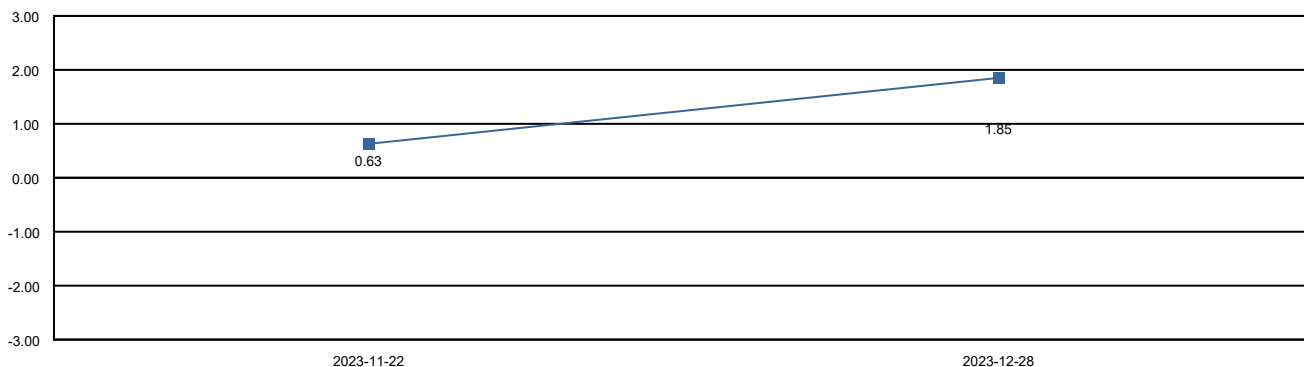
Report Date : 28/12/2023

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**CALCIUM**

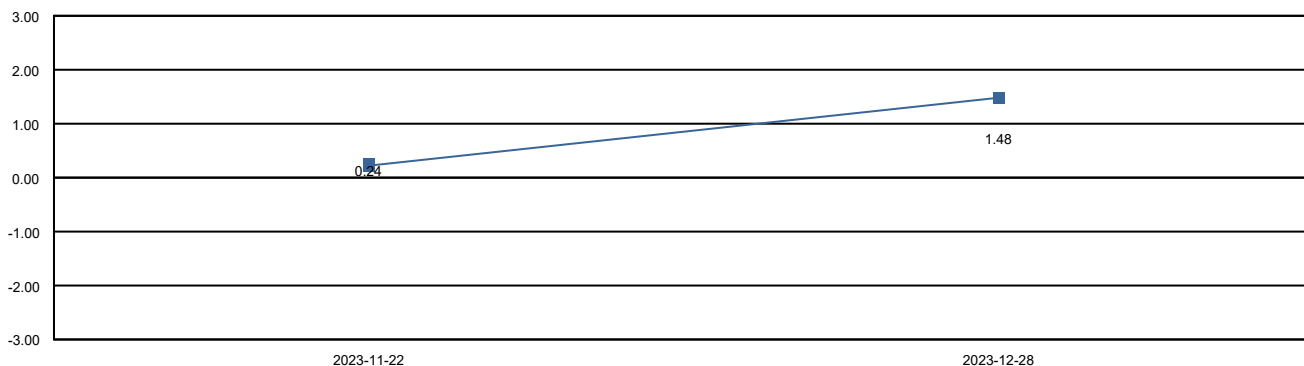
Parameters	Labs(n)	Lab Value	Unit	Assigned value	SDPA	Um	Z-Score	Remarks
All Methods	28	8.86	mg/dL	8.57	0.33	0.082	0.88	Good

**ZScore**

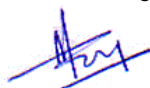


Peer group (Arsenazo)	8	8.86	mg/dL	8.55	0.36		0.87	Good
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**ZScore**



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Neu-QAP

(an EXTERNAL QUALITY ASSURANCE PROGRAMME)

PARTICIPANT FINAL ASSESSMENT REPORT (NORMAL)

PT SCHEME: BIOCHEMISTRY



PC-1047

Cycle No	C5
Ref.No.	NEUQAP608
Sample ID	NEUQAP BIO SERUM/2023/10/C5/S7

Report Date : 28/12/2023

Sample : OCT 2023

CHLORIDE

Parameters	Labs(n)	Lab Value	Unit	Assigned value	SDPA	Um	Z-Score	Remarks
All Methods	29	Not Recvd.	mmol/L	97.45	4.02	0.934		N/A

Authorised Signatory

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An external quality assurance program from  
NEUBERG ANAND ACADEMY OF LABORATORY MEDICINE PVT.LTD.

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CIN: U85300KA2018PTC115147

**PARTICIPANT FINAL ASSESSMENT REPORT (NORMAL)**

**PT SCHEME: BIOCHEMISTRY**

<b>Cycle No</b>	<b>C5</b>
<b>Ref.No.</b>	<b>NEUQAP608</b>
<b>Sample ID</b>	<b>NEUQAP BIO SERUM/2023/10/C5/S7</b>

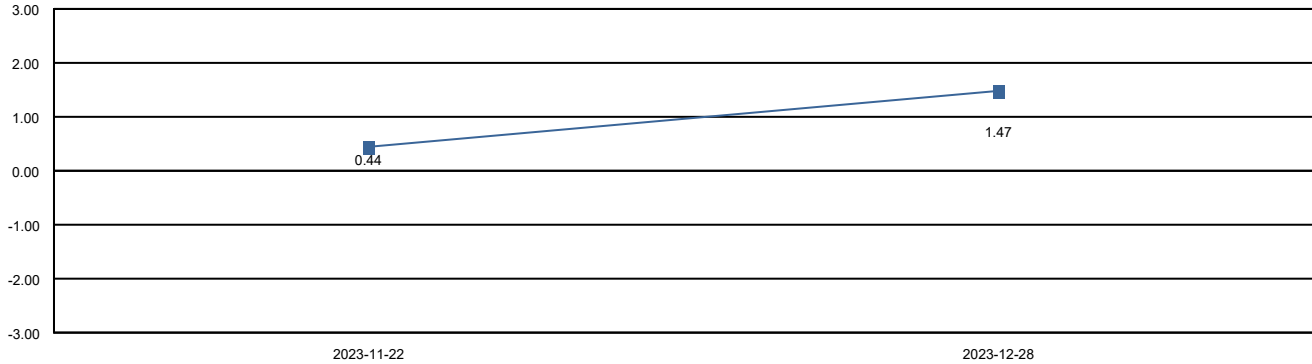
**Report Date : 28/12/2023**

**Sample : OCT 2023**

**CHOLESTEROL**

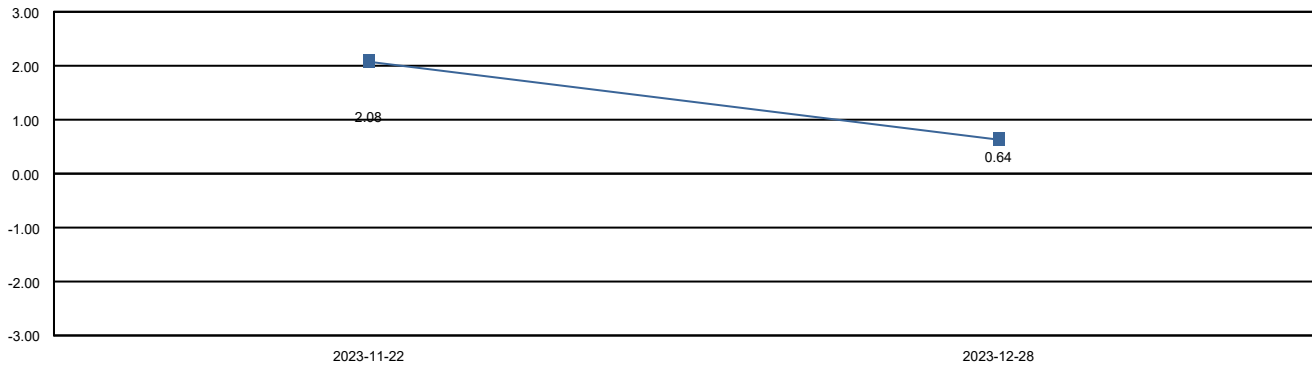
Parameters	Labs(n)	Lab Value	Unit	Assigned value	SDPA	Um	Z-Score	Remarks
All Methods	33	<b>133.55</b>	mg/dL	139.84	5.99	1.442	1.05	Satisfactory

**ZScore**



Peer group (CHOD-POD)	8	<b>133.55</b>	mg/dL	135.34	5.16		0.35	Good
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**ZScore**



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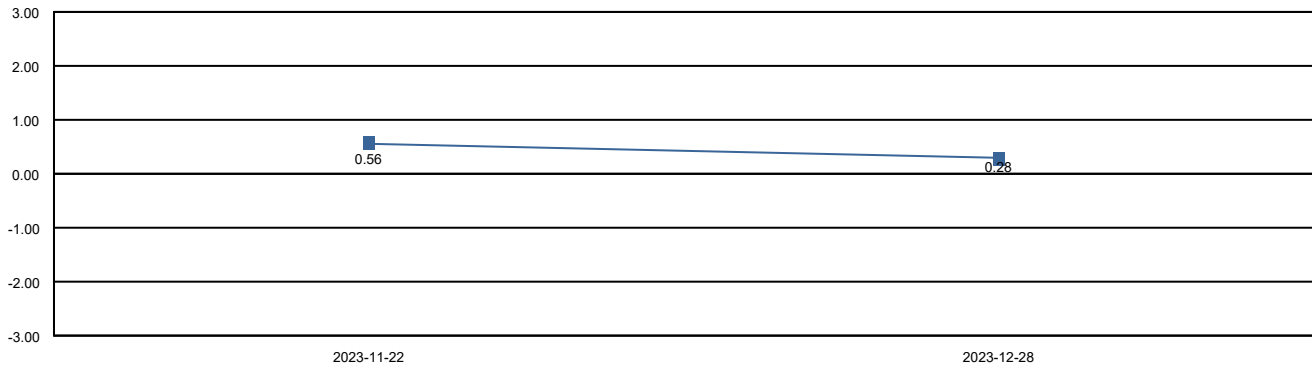
**Report Date : 28/12/2023**

**Sample : OCT 2023**

**CREATININE**

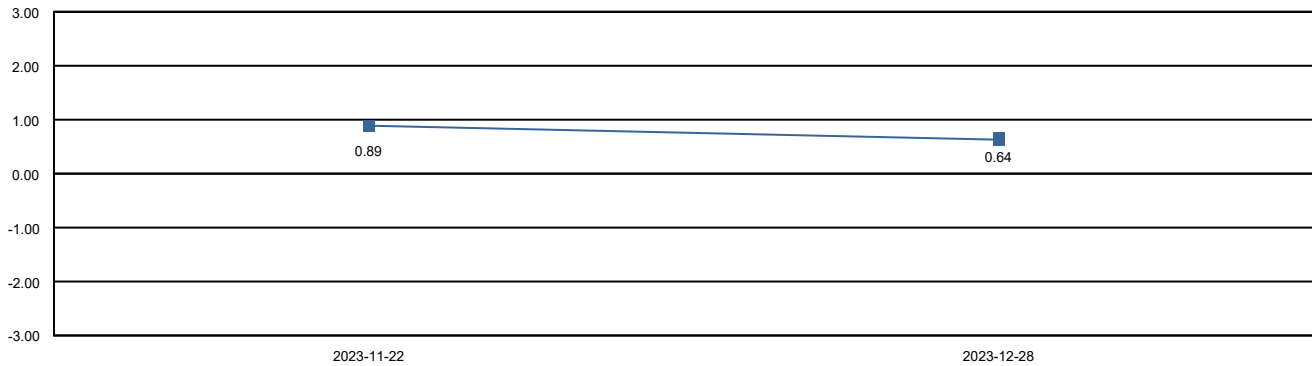
Parameters	Labs(n)	Lab Value	Unit	Assigned value	SDPA	Um	Z-Score	Remarks
Peer group (Jaffe-Kinetic)	4	<b>1.06</b>	mg/dL	1.10	0.24		0.17	Good

**ZScore**



<b>All Methods</b>	<b>35</b>	<b>1.06</b>	mg/dL	1.02	0.29	0.067	0.14	Good
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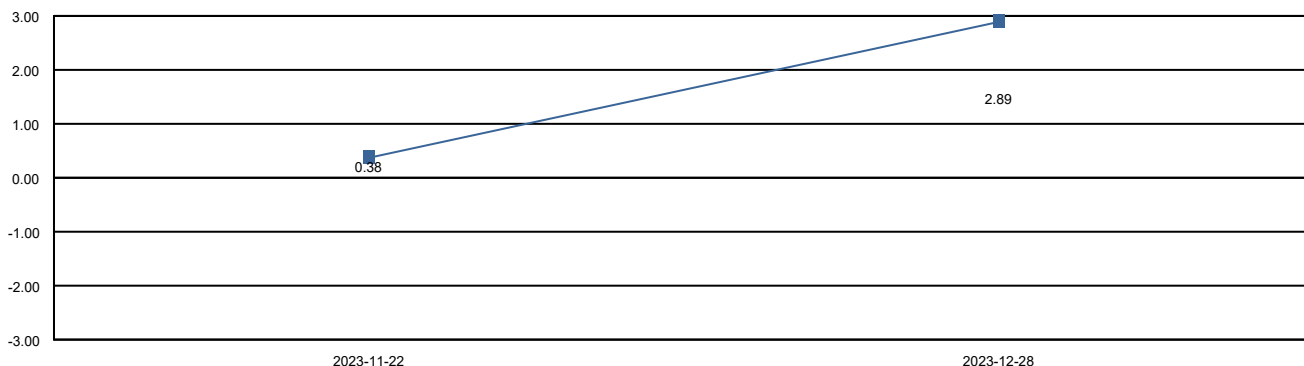
**Report Date : 28/12/2023**

**Sample : OCT 2023**

**DIRECT BILIRUBIN**

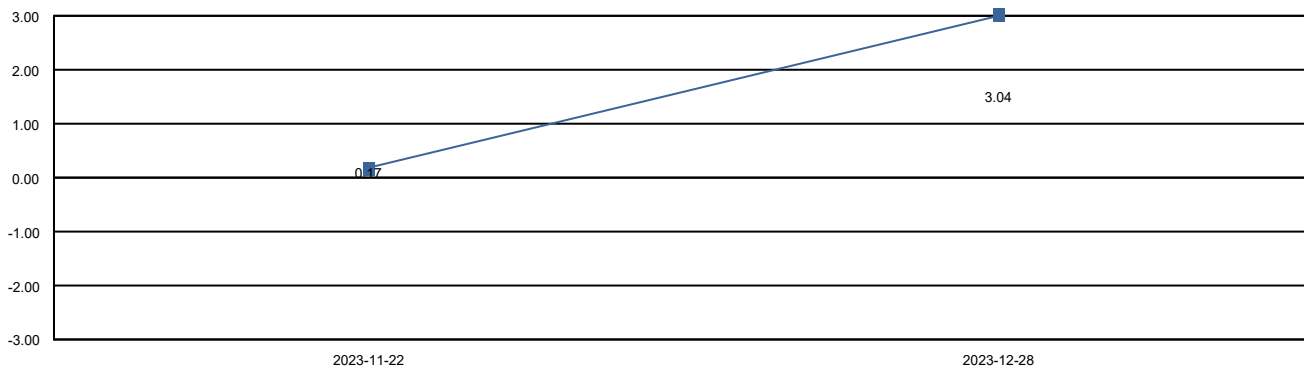
Parameters	Labs(n)	Lab Value	Unit	Assigned value	SDPA	Um	Z-Score	Remarks
Peer group (Others)	5	<b>0.04</b>	mg/dL	0.09	0.02		2.22	Questionable

**ZScore**

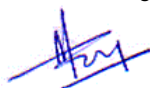


<b>All Methods</b>	<b>32</b>	<b>0.04</b>	mg/dL	0.11	0.04	0.009	1.98	Satisfactory
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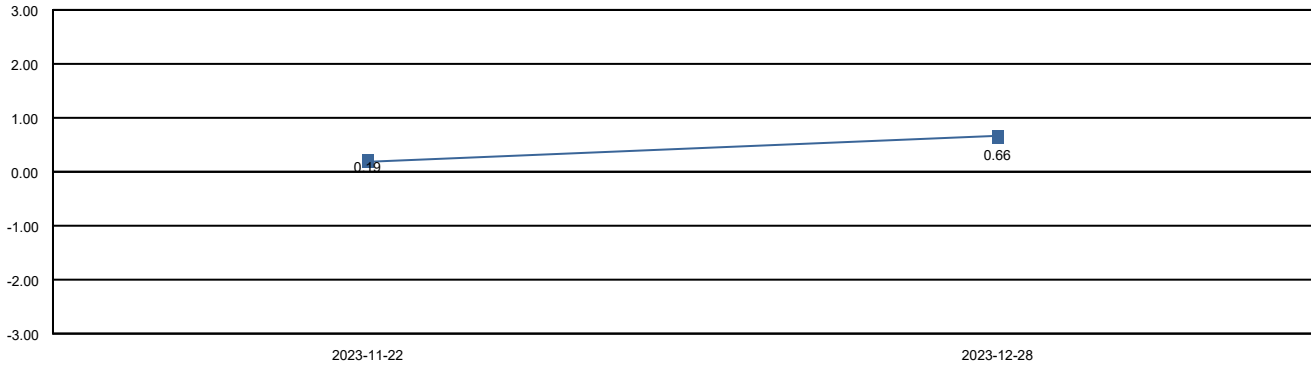
**Report Date : 28/12/2023**

**Sample : OCT 2023**

**GGTP**

Parameters	Labs(n)	Lab Value	Unit	Assigned value	SDPA	Um	Z-Score	Remarks
Peer group (IFCC)	12	<b>22.12</b>	U/L	22.76	1.69		0.38	Good

**ZScore**



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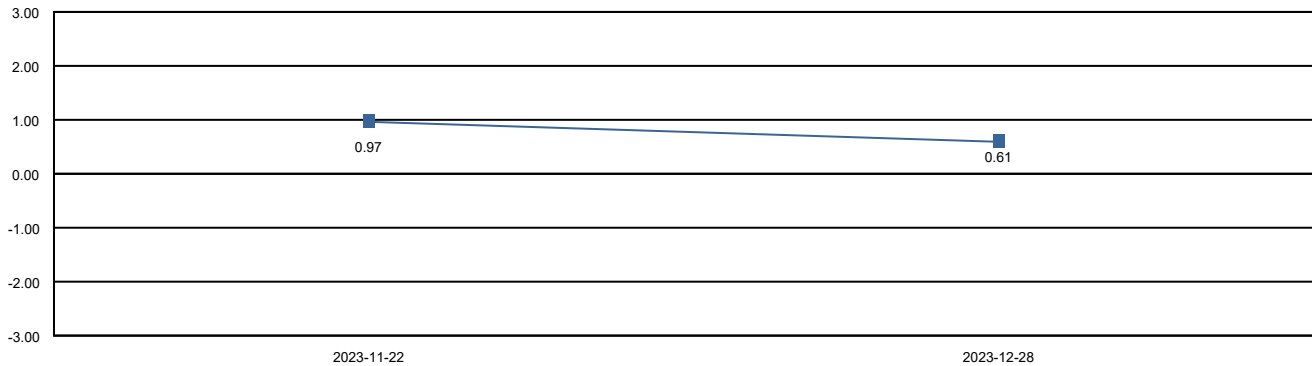
Report Date : 28/12/2023

Sample : OCT 2023

**GLUCOSE**

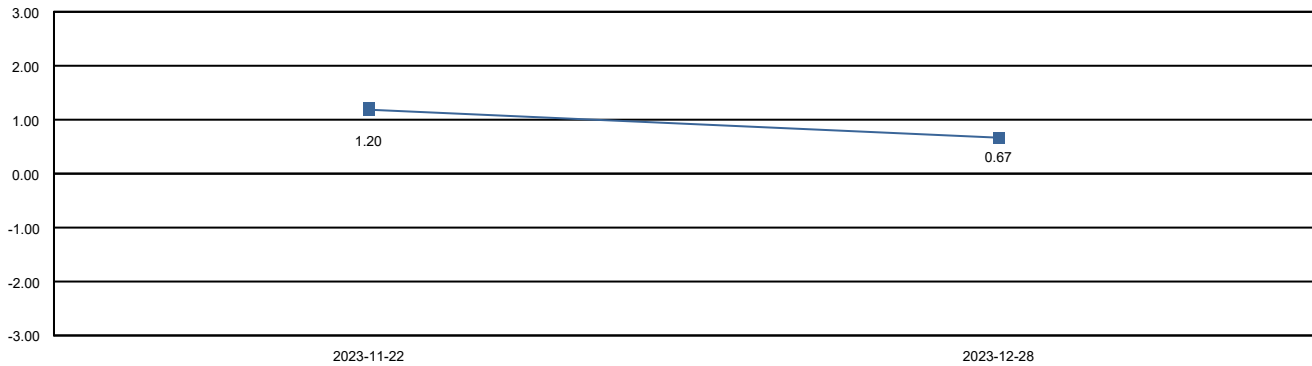
Parameters	Labs(n)	Lab Value	Unit	Assigned value	SDPA	Um	Z-Score	Remarks
Peer group (GOD-POD)	12	27.35	mg/dL	27.35	4.86			Good

**ZScore**



All Methods	35	27.35	mg/dL	24.57	7.39	1.887	0.38	Good
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**ZScore**



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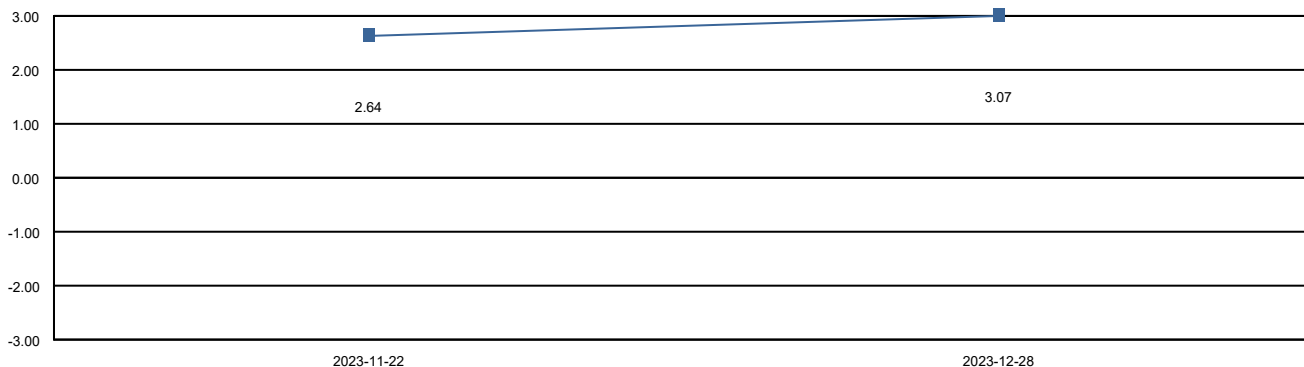
**Report Date : 28/12/2023**

**Sample : OCT 2023**

**HDL-CHOL**

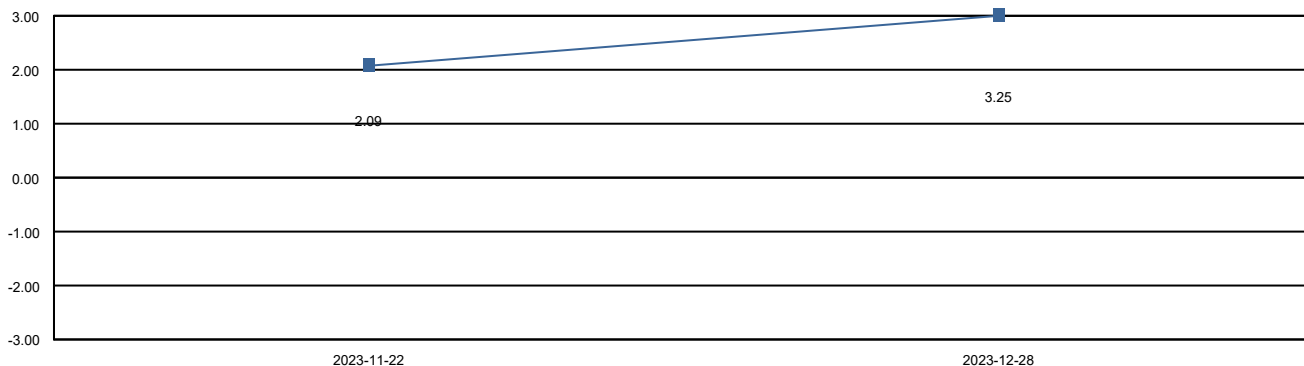
Parameters	Labs(n)	Lab Value	Unit	Assigned value	SDPA	Um	Z-Score	Remarks
All Methods	28	<b>32.65</b>	mg/dL	33.38	7.15	1.754	0.10	Good

**ZScore**

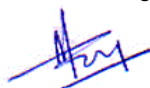


Peer group (Others)	5	<b>32.65</b>	mg/dL	31.13	6.16		0.25	Good
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**ZScore**



Authorised Signatory



Dr. Sujay Prasad  
Technical Manager and Program coordinator

\* denotes adjusted SDPA as per ISO 13528:2015(E)  
SDPA - Standard Deviation for Proficiency Assessment

Technical Advisor



Dr Venkatesh

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Neu-QAP

(an EXTERNAL QUALITY ASSURANCE PROGRAMME)

**PARTICIPANT FINAL ASSESSMENT REPORT (NORMAL)**

**PT SCHEME: BIOCHEMISTRY**



PC-1047

Cycle No	C5
Ref.No.	NEUQAP608
Sample ID	NEUQAP BIO SERUM/2023/10/C5/S7

Report Date : 28/12/2023

Sample : OCT 2023

**POTASSIUM**

Parameters	Labs(n)	Lab Value	Unit	Assigned value	SDPA	Um	Z-Score	Remarks
All Methods	29	Not Recvd.	mmol/L	4.19	0.21	0.051		N/A

Authorised Signatory

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Technical Manager and Program coordinator

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An external quality assurance program from  
NEUBERG ANAND ACADEMY OF LABORATORY MEDICINE PVT.LTD.

Anand Tower, 54, Bowring Hospital Road,  
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CIN: U85300KA2018PTC115147



Neu-QAP

(an EXTERNAL QUALITY ASSURANCE PROGRAMME)

PARTICIPANT FINAL ASSESSMENT REPORT (NORMAL)

PT SCHEME: BIOCHEMISTRY



PC-1047

Cycle No	C5
Ref.No.	NEUQAP608
Sample ID	NEUQAP BIO SERUM/2023/10/C5/S7

Report Date : 28/12/2023

Sample : OCT 2023

SODIUM

Parameters	Labs(n)	Lab Value	Unit	Assigned value	SDPA	Um	Z-Score	Remarks
All Methods	29	Not Recvd.	mmol/L	127.05	5.34	1.263		N/A

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**PARTICIPANT FINAL ASSESSMENT REPORT (NORMAL)**

**PT SCHEME: BIOCHEMISTRY**

Cycle No	C5
Ref.No.	NEUQAP608
Sample ID	NEUQAP BIO SERUM/2023/10/C5/S7

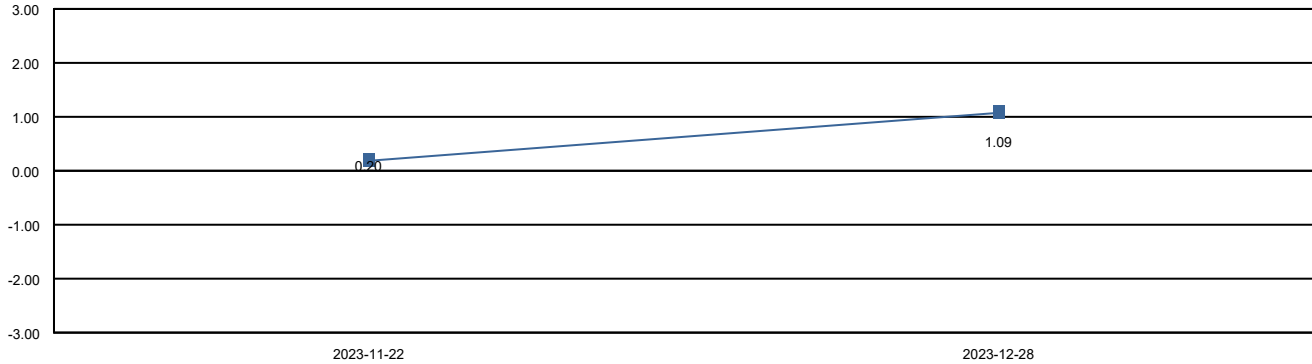
Report Date : 28/12/2023

Sample : OCT 2023

**TOTAL PROTEIN**

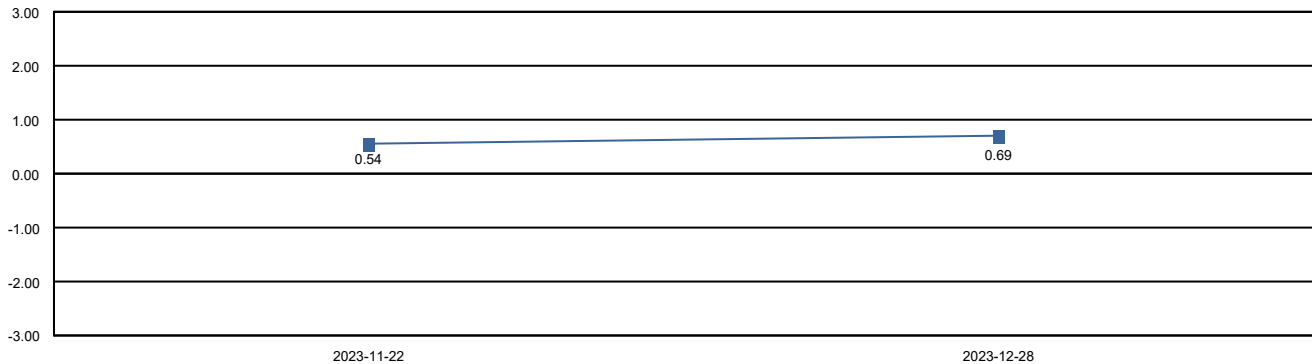
Parameters	Labs(n)	Lab Value	Unit	Assigned value	SDPA	Um	Z-Score	Remarks
All Methods	34	6.45	g/dL	6.67	0.38	0.085	0.59	Good

**ZScore**



Peer group (Biuret)	25	6.45	g/dL	6.61	0.35	0.090	0.47	Good
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**ZScore**



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**PARTICIPANT FINAL ASSESSMENT REPORT (NORMAL)**

**PT SCHEME: BIOCHEMISTRY**

<b>Cycle No</b>	<b>C5</b>
<b>Ref.No.</b>	<b>NEUQAP608</b>
<b>Sample ID</b>	<b>NEUQAP BIO SERUM/2023/10/C5/S7</b>

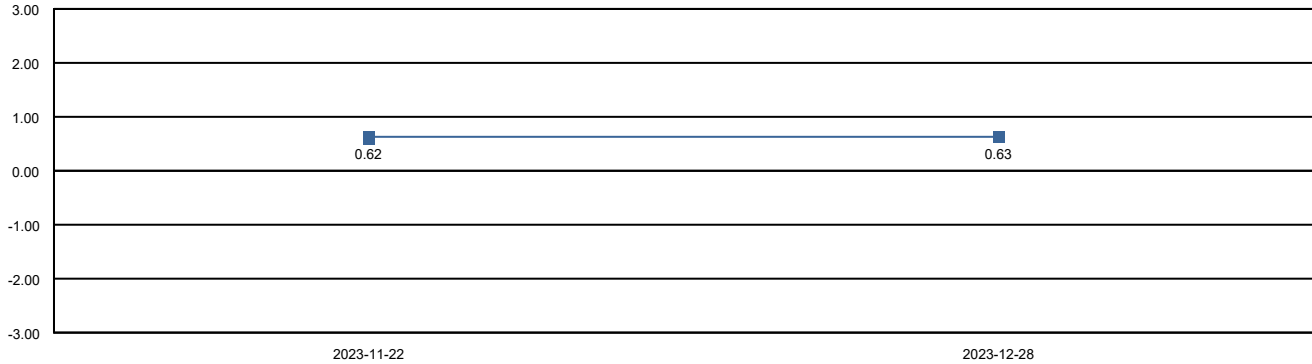
**Report Date : 28/12/2023**

**Sample : OCT 2023**

**TRIGLYCERIDES**

Parameters	Labs(n)	Lab Value	Unit	Assigned value	SDPA	Um	Z-Score	Remarks
All Methods	30	<b>155.88</b>	mg/dL	162.21	27.31	6.827	0.23	Good

**ZScore**



Peer group (Others)	1	<b>155.88</b>	mg/dL					N/A
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<b>Cycle No</b>	<b>C5</b>
<b>Ref.No.</b>	<b>NEUQAP608</b>
<b>Sample ID</b>	<b>NEUQAP BIO SERUM/2023/10/C5/S7</b>

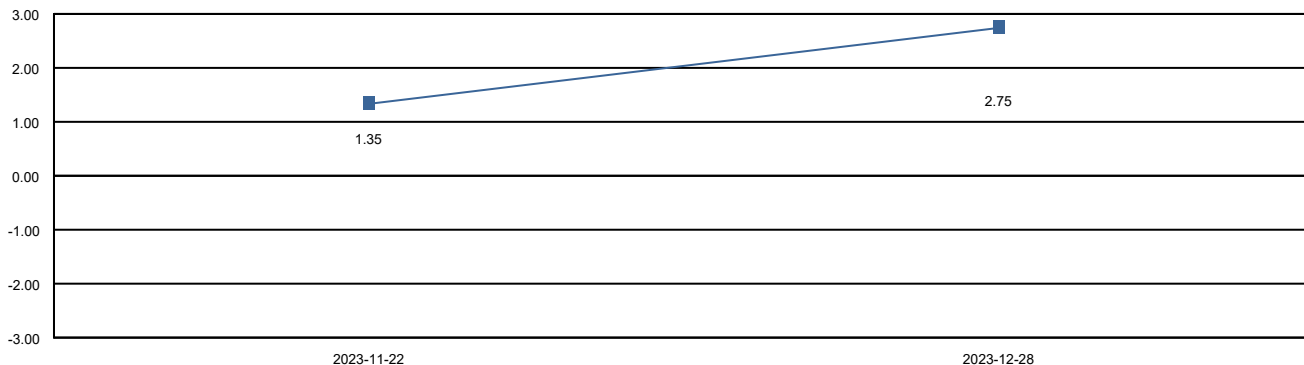
**Report Date : 28/12/2023**

**Sample : OCT 2023**

**UREA**

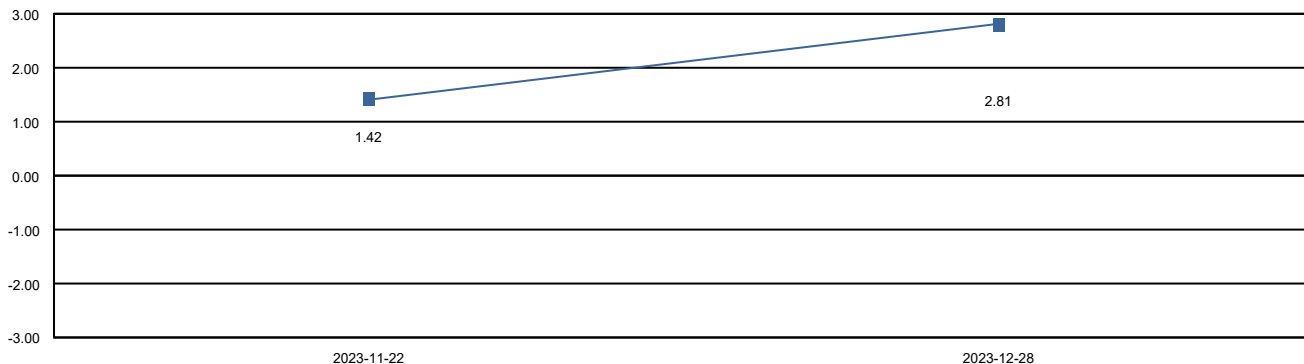
Parameters	Labs(n)	Lab Value	Unit	Assigned value	SDPA	Um	Z-Score	Remarks
All Methods	35	<b>19.34</b>	mg/dL	21.67	1.07	0.245	2.18	Questionable

**ZScore**

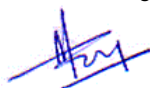


Peer group (U V Kinetic GLDH)	6	<b>19.34</b>	mg/dL	21.86	1.17		2.16	Questionable
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**ZScore**



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Cycle No	C5
Ref.No.	NEUQAP608
Sample ID	NEUQAP BIO SERUM/2023/10/C5/S7

Report Date : 28/12/2023

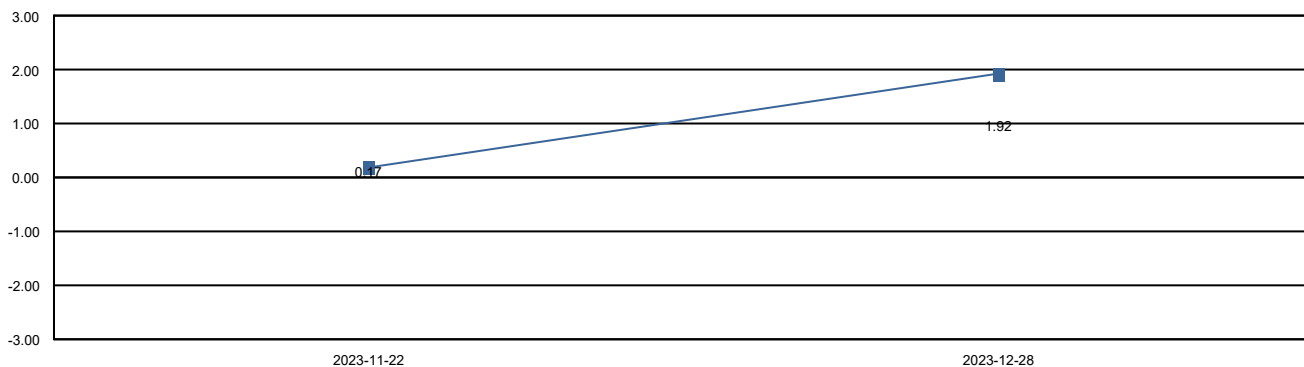
Sample : OCT 2023

**URIC ACID**

Parameters	Labs(n)	Lab Value	Unit	Assigned value	SDPA	Um	Z-Score	Remarks
Peer group (Others)	3	<b>4.63</b>	mg/dL	4.18	0.19		2.33	Questionable

All Methods	33	<b>4.63</b>	mg/dL	3.94	0.39	0.093	1.77	Satisfactory
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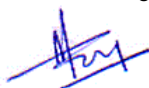
**ZScore**



Note: Sample generation, homogeneity and stability testing activities are subcontracted to ISO 15189:2012 accredited laboratory . Lyophilisation of samples is subcontracted to ISO 9001:2015 manufacturing facility .

**\*\*End of report \*\***

Authorised Signatory



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Please refer to NEUQAP Web portal for all subcontracted activ  
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