



Neu-QAP
(an EXTERNAL QUALITY ASSURANCE PROGRAMME)
PARTICIPANT FINAL ASSESSMENT REPORT (SUMMARY)
PT SCHEME: BIOCHEMISTRY



PC-1047

Cycle No	C4
Ref.No.	NEUQAP514
Sample ID	NEUQAP BIO SERUM/2022/3/C3/S15

Report Date : 04/04/2022
Sample : MAR 2022

All Methods

Parameters	Labs (n)	Lab Value	Unit	Assigned value	SDPA	Um	Z-Score	Remarks
1 UREA	34	175.50	mg/dL	230.16	19.30	4.479	2.83	Questionable
2 GLUCOSE	43	132.10	mg/dL	122.75	5.49	1.072	1.70	Satisfactory
3 CREATININE	43	29.00	mg/dL	26.46	1.97	0.394	1.29	Satisfactory
4 AST	43	7.10	U/L	11.64	2.94	0.589	1.54	Satisfactory
5 ALT	43	4.30	U/L	7.52	2.02	0.400	1.59	Satisfactory
6 SODIUM	33	143.80	mmol/L	140.26	2.89	0.638	1.23	Satisfactory
7 CHLORIDE	33	100.90	mmol/L	103.94	2.57	0.558	1.18	Satisfactory
8 CALCIUM	28	4.90	mg/dL	6.67	1.59	0.398	1.12	Satisfactory
9 URIC ACID	33	3.30	mg/dL	3.64	0.25	0.056	1.38	Satisfactory
10 Alkaline Phosphatase	32	60.40	U/L	44.84	8.41	2.024	1.85	Satisfactory
11 CHOLESTEROL	33	92.40	mg/dL	86.63	6.99	1.680	0.83	Good
12 TRIGLYCERIDES	33	170.42	mg/dL	167.01	13.54	3.257	0.25	Good
13 BILIRUBIN	31	3.40	mg/dL	3.35	1.08	0.269	0.04	Good
14 TOTAL PROTEIN	32	4.40	g/dL	4.22	0.32	0.072	0.55	Good
15 ALBUMIN	34	4.40	g/dL	4.07	0.54	0.117	0.70	Good
16 POTASSIUM	34	3.70	g/dL	4.07	0.54	0.117	0.70	Good
17 HDL-CHOL	33	4.89	mmol/L	5.11	0.30	0.066	0.73	Good
18 Direct Bilirubin	33	4.89	mmol/L	5.11	0.30	0.066	0.73	Good
19 GGTP	31	43.60	mg/dL	48.19	12.14	2.976	0.38	Good
	30	1.40	mg/dL	1.10	0.54	0.138	0.55	Good
	29	Not Recvd.	U/L	27.13	3.76	0.980		N/A

Authorised Signatory

* 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
20	TRIGLYCERIDES (GPO-Trinder)	5	170.42	mg/dL	167.16	0.86		3.79	Unsatisfactory
21	UREA (U V Kinetic GLDH)	5	175.50	mg/dL	222.77	1.78		26.56	Unsatisfactory
22	Direct Bilirubin (Diazotised Sulphanilic)	8	1.40	mg/dL	0.87	0.25		2.11	Questionable
23	GLUCOSE (GOD-POD)	17	132.10	mg/dL	122.66	* 6.73	1.953	1.40	Satisfactory
24	CHOLESTEROL (CHOD-POD)	11	92.40	mg/dL	85.82	5.05		1.30	Satisfactory
25	CREATININE (Enzymatic)	14	29.00	mg/dL	27.43	* 1.53	0.484	1.03	Satisfactory
26	ALBUMIN (BCG)	26	3.70	g/dL	4.23	0.46	0.116	1.14	Satisfactory
27	HDL-CHOL (Direct PEGME)	5	43.60	mg/dL	55.63	11.69		1.03	Satisfactory
28	URIC ACID (Trinder Peroxidase)	3	3.30	mg/dL	3.50	0.15		1.35	Satisfactory
29	Alkaline Phosphatase (Modified IFCC)	10	60.40	U/L	50.75	5.42		1.78	Satisfactory
30	AST (Modified IFCC)	3	7.10	U/L	7.51	0.50		0.82	Good
31	ALT (Modified IFCC)	3	4.30	U/L	6.41	2.43		0.87	Good
32	BILIRUBIN (Diazotized Sulphanilic Ac)	14	3.40	mg/dL	2.76	0.76		0.85	Good
33	TOTAL PROTEIN (Biuret)	28	4.40	g/dL	4.20	0.33	0.082	0.60	Good
34	SODIUM (ISE, Direct)	16	143.80	mmol/L	140.57	* 3.28	1.007	0.98	Good

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Technical Advisor

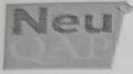
Dr. Sujay Prasad
Technical Manager and Program coordinator

Dr Venkatesh

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Technical Manager and Program coordinator

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35	POTASSIUM (ISE, Direct)	16	4.89	mmol/L	4.99	0.21	0.064	0.50	Good
36	CHLORIDE (ISE, Direct)	16	100.90	mmol/L	102.75	2.06	0.645	0.90	Good
37	CALCIUM (Arsenazo III)	5	4.90	mg/dL	6.06	1.68		0.69	Good

Interpretation of z scores is as follows:

- | Z score | ≤ 1.0 - Good
- | Z score | between 1.0 to 2.0 - Satisfactory
- | Z score | between 2.0 to 3.0 - Questionable
- | Z score | ≥ 3.0 - Unsatisfactory

Authorised Signatory

Dr. Sujay Prasad
Technical Manager and Program coordinator

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