



Neu-QAP

(an EXTERNAL QUALITY ASSURANCE PROGRAMME)

PARTICIPANT FINAL ASSESSMENT REPORT (SUMMARY)

PT SCHEME: BIOCHEMISTRY



PC-1047

Cycle No	C3
Ref.No.	NEUQAP189
Sample ID	NEUQAP BIO SERUM/2021/7/C3/S7

Report Date : 10/08/2021

Sample : JUL 2021

All Methods

	Parameters	Labs (n)	Lab Value	Unit	Assigned value	SDPA	Um	Z-Score	Remarks
1	ALT	34	11.00	U/L	24.01	1.86	0.400	6.98	Unsatisfactory
2	HDL-CHOL	18	98.00	mg/dL	50.43	4.84	1.426	9.83	Unsatisfactory
3	GGTP	21	22.00	U/L	60.37	4.90	1.336	7.83	Unsatisfactory
4	Alkaline Phosphatase	21	35.00	U/L	59.01	4.32	1.179	5.56	Unsatisfactory
5	SODIUM	19	124.00	mmol/L	141.33	6.54	1.876	2.65	Questionable
6	TRIGLYCERIDES	30	77.00	mg/dL	69.86	5.51	1.258	1.29	Satisfactory
7	UREA	33	16.50	mg/dL	18.51	1.84	0.401	1.09	Satisfactory
8	AST	41	28.00	U/L	31.82	3.48	0.679	1.10	Satisfactory
9	ALBUMIN	33	4.20	g/dL	3.80	0.36	0.079	1.12	Satisfactory
10	POTASSIUM	27	2.00	mmol/L	2.36	0.23	0.055	1.56	Satisfactory
11	CHLORIDE	10	32.90	mmol/L	44.97	6.30		1.91	Satisfactory
12	CALCIUM	28	3.90	mg/dL	4.42	0.42	0.099	1.23	Satisfactory
13	Direct Bilirubin	27	0.20	mg/dL	0.35	0.13	0.032	1.11	Satisfactory
14	GLUCOSE	38	114.00	mg/dL	117.46	4.89	0.991	0.71	Good
15	CHOLESTEROL	29	99.00	mg/dL	101.21	6.02	1.396	0.37	Good
16	CREATININE	41	1.00	mg/dL	1.04	0.12	0.023	0.37	Good
17	BILIRUBIN	30	0.70	mg/dL	0.65	0.12	0.028	0.44	Good
18	TOTAL PROTEIN	31	3.90	g/dL	3.81	0.19	0.042	0.49	Good
19	URIC ACID	31	1.40	mg/dL	1.49	0.14	0.030	0.69	Good

Authorised Signatory

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

Dr. Sujay Prasad
Technical Manager and Program coordinator

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An external quality assurance program from
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CIN: U85300KA2018PTC115147



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Peer group

	Parameters	Labs (n)	Lab Value	Unit	Assigned value	SDPA	Um	Z-Score	Remarks
20	SODIUM (ISE, Direct)	8	124.00	mmol/L	138.91	2.93		5.09	Unsatisfactory
21	Alkaline Phosphatase (PNPP AMP Buffer)	6	35.00	U/L	60.57	2.59		9.88	Unsatisfactory
22	UREA (Urease)	17	16.50	mg/dL	18.70	2.02	0.613	1.09	Satisfactory
23	ALBUMIN (BCG)	26	4.20	g/dL	3.74	0.41	0.100	1.12	Satisfactory
24	POTASSIUM (ISE, Direct)	12	2.00	mmol/L	2.35	0.27		1.27	Satisfactory
25	CHLORIDE (ISE, Direct)	7	32.90	mmol/L	42.81	5.33		1.86	Satisfactory
26	CALCIUM (Arsenazo III)	5	3.90	mg/dL	4.65	0.52		1.45	Satisfactory
27	Direct Bilirubin (Diazotised Sulphanilic)	7	0.20	mg/dL	0.34	0.08		1.71	Satisfactory
28	GLUCOSE (GOD-POD)	15	114.00	mg/dL	118.76	* 5.00	1.535	0.95	Good
29	TRIGLYCERIDES (Enzymatic)	9	77.00	mg/dL	72.63	5.13		0.85	Good
30	CREATININE (Enzymatic)	11	1.00	mg/dL	1.08	0.08		0.99	Good
31	AST (IFCC with P5P)	6	28.00	U/L	31.12	3.49		0.89	Good
32	BILIRUBIN (Dry Chemistry)	6	0.70	mg/dL	0.70	0.04			Good
33	TOTAL PROTEIN (Biuret)	26	3.90	g/dL	3.79	0.21	0.051	0.51	Good
34	URIC ACID (Uricase PAP)	7	1.40	mg/dL	1.50	0.11		0.93	Good

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Sujoy Prasad
Technical Manager and Program coordinator

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	Parameters	Labs (n)	Lab Value	Unit	Assigned value	SDPA	Um	Z-Score	Remarks
35	CHOLESTEROL ((CE/CO/HPO))	2	99.00	mg/dL					N/A
36	ALT (IFCC with P5P)	2	11.00	U/L					N/A
37	HDL-CHOL (DEXTRAN SULPHATE)	0	98.00	mg/dL					N/A
38	GGTP (LGamma glutamyl3carboxy4)	2	22.00	U/L					N/A

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

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