



Neu-QAP

(an EXTERNAL QUALITY ASSURANCE PROGRAMME)

PARTICIPANT FINAL ASSESSMENT REPORT (SUMMARY)

PT SCHEME: BIOCHEMISTRY



Cycle No	C3
Ref.No.	NEUQAP189
Sample ID	NEUQAP BIO SERUM/2021/8/C3/S8

Report Date : 09/09/2021

Sample : AUG 2021

Peer group

	Parameters	Labs (n)	Lab Value	Unit	Assigned value	SDPA	Um	Z-Score	Remarks
35	Direct Bilirubin (Dry chemistry)	5	16.10	mg/dL	14.96	1.60		0.71	Good
36	TRIGLYCERIDES (Dry chemistry)	0	167.00	mg/dL					N/A
37	BILIRUBIN (Dry Chemistry)	1	20.00	mg/dL					N/A
38	GGTP (Dry chemistry)	0	120.00	U/L					N/A <u>Less Peer</u>

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

Group is there in unit

Neuqap dont have peer group for unit.
→ Parameter we will keep in observation.

Handwritten signature
9/9/21

Authorised Signatory

Handwritten signature

Dr. Sujay Prasad

Technical Manager and Program coordinator

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

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NEUBERG ANAND ACADEMY OF LABORATORY MEDICINE PVT.LTD.

Anand Tower, 54, Bowring Hospital Road,
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+91-9902277355 · qap@naalm.com · www.naalm.com
CIN: U85300KA2018PTC115147



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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

Dr. Sujay Prasad
Technical Manager and Program coordinator

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	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		1.46	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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Dr. Sujay Prasad
Technical Manager and Program coordinator

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Peer group

	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

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ame : Mrs. 21WP107294 Ref. Doctor : DR. SELF
ge / Sex : 1 Year(s) / Female Client : Walk-in
atient ID : PDW051399
isit No. : 21WP107375

Registered Date : 11/09/2021 12:42 PM
Collected On : 11/09/2021 12:44 PM
Received On : 11/09/2021 12:44 PM
Reported On : 11/09/2021 01:09 PM



eport Type : Final

Test	Results	Units	Biological Reference Range
BIOCHEMISTRY			
Alanine Transaminase(ALT/ SGPT) - Serum IFCC without P-5-P	29.0	U/L	0-55
Alkaline Phosphatase - Serum IFCC PNPP	85.0	U/L	Female: 13 - 15 Year(s) : < 500 Both: 0 - 12 Year(s) : < 500 Both: 16 - 120 Year(s) : 40 - 150
Gamma-Glutamyl Transferase (GGT) - Serum Gamma--Glutamyl-p-nitroanilide IFCC	<u>10.0</u>	U/L	12-64
HDL Cholesterol - Serum Accelerator selective detergent	<u>15.00</u>	mg/dL	40-60

-- End of Report --

Kindly correlate clinically. If necessary discuss/repeat

Rajeshwari G.
Dr. Rajeshwari.G,
Pathologist
KMC-NO:85082

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GURURAJGOVIND LIFESCIENCES WHITEFIELD LLP

Regd Office : 28/4, Siddapura Village, Varthur-Whitefield Main Road, Bengaluru - 560 066. PH: 080 46284444
Corp Office : 4/16, 9th Main Road, 3rd Block, Jayanagar, Bengaluru - 560 011 ☎: +91 9148524444
Home collection : ☎ +91 78294 90000 | +91 78294 93333, www.primadiagnostics.com | admin.pw@primadiagnostics.com



Name : Mrs. GEETHANJALI K
Age / Sex : 57 Year(s) / Female
Patient ID : PDW051330
Visit No. : 21WP107294

Ref. Doctor : C/O EKINCARE
Client : EKINCARE

Registered Date : 11/09/2021 08:39 AM
Collected On : 11/09/2021 08:45 AM
Received On : 11/09/2021 11:25 AM
Reported On : 11/09/2021 02:02 PM



Report Type : Amendend

Test Results Units Biological Reference Range

BIOCHEMISTRY

LFT - LIVER FUNCTION TEST

TOTAL BILIRUBIN - Serum 0.50 mg/dL 0.2-1.3
Diazotized sulphanilic acid Dry Chemistry

	Reference Range
Birth - 1 Day	< 5.8
1 - 2 Day	< 8.2
3 - 5 Days	< 11.7
1 Month - Adult	< 1.0
Bottle fed infants	< 14.8
Bottle fed infants	< 12.4

DIRECT BILIRUBIN - Serum 0.10 mg/dL Adult: 0.0-0.3
Dual Wavelength - Reflectance Spectrophotometry Neonate: 0.0-0.6

INDIRECT BILIRUBIN - Serum 0.40 mg/dL Adult: 0.0-1.1
Dual Wavelength - Reflectance Spectrophotometry Neonate: 0.6-10.5

Aspartate Transaminase(AST/ SGOT) - Serum 28.0 U/L Female: 14-36
UV with P-5-P Dry Chemistry 7 - 9 Year: 15-40

Alanine Transaminase(ALT/ SGPT) - Serum 28.0 U/L Female: < 35
UV with P-5-P 7 - 9 year: 10-35

Alkaline Phosphatase - Serum 87.0 U/L 40-150
p-nitrophenyl Phosphate, AMP buffer Dry Chemistry

Total Protein - Serum 7.3 gm/dL 6.3-8.2
Biuret Method Dry Chemistry

Albumin - Serum 4.1 g/dL 3.5-5.0

Mrs. Sruthi M,
Biochemist



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eport Type : Amendend

Bromo-Cresol Green Dry chemistry

Globulins - Serum 3.2 g/dL 1.8-3.6
Calculated

A G Ratio - Serum 1.28 1.5-2.5
Derived

Gamma-Glutamyl Transferase (GGT) - Serum 9.0 U/L
Y-glutamyl-P-nitroanilide Dry Chemistry
Adult: 12-58
Female: 12-43
Male: 15-73
1 - 3 Years: 5-16

LIPID PROFILE

Cholesterol Total - Serum 105.0 mg/dl
Cholesterol Oxidase Dry Chemistry
Desirable: < 200
Borderline High: 200-239
High: >= 240

Triglycerides (TGL) - Serum 99.0 mg/dl
Lip/Glycerol Kinase Dry Chemistry
Normal: < 150
Borderline High: 150-199
High: 200-499
Very High: >= 500

HDL Cholesterol - Serum 13.0 mg/dL
Colorimetric: non HDL precipitation method
Low: < 40.0
High: >= 60.0

LDL - CHOLESTEROL - Serum 72.2 mg/dL
Derived
Very High Risk: > 190
High Risk: 160-189
Moderate Risk: 130-159
Desirable: < 100
Near Desirable: 100-129

VLDL - Serum 19.8 mg/dL
Calculated

TOTAL CHOLESTEROL/HDL CHOLESTEROL 8.08
RATIO - Serum
manual
Less than 4.5

CREATININE - Serum 0.5 mg/dl
Modified Jaffe's / Kinetic Alkaline Picrate
Male: 0.66-1.25
Female: 0.52-1.04

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 Normal: < 150
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 High: 200-499
 Very High: >= 500

HDL Cholesterol - Serum 13.0 mg/dL
 Colorimetric: non HDL precipitation method
 Low: < 40.0
 High: >= 60.0

LDL - CHOLESTEROL - Serum 72.2 mg/dL
 Derived
 Very High Risk: > 190
 High Risk: 160-189
 Moderate Risk: 130-159
 Desirable: < 100
 Near Desirable: 100-129

VLDL - Serum 19.8 mg/dL
 Calculated
 < 30

TOTAL CHOLESTEROL/HDL CHOLESTEROL RATIO - Serum 8.08
 manual
 Less than 4.5

CREATININE - Serum 0.5 mg/dl
 Modified Jaffe's / Kinetic Alkaline Picrate
 Male: 0.66-1.25
 Female: 0.52-1.04

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 Biochemist



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20	UREA (Dry chemistry)	7	66.10	mg/dL	67.56	0.72		2.02	Questionable
21	CREATININE (Dry chemistry)	6	8.80	mg/dL	8.53	0.25		1.06	Satisfactory
22	TOTAL PROTEIN (Dry chemistry)	6	2.70	g/dL	2.58	0.10		1.12	Satisfactory
23	ALBUMIN (Dry chemistry)	7	2.00	g/dL	1.90	0.07		1.40	Satisfactory
24	URIC ACID (Dry chemistry)	6	9.10	mg/dL	8.85	0.19		1.33	Satisfactory
25	GLUCOSE (Dry chemistry)	7	33.00	mg/dL	35.71	3.04		0.89	Good
26	CHOLESTEROL (Dry chemistry)	7	140.00	mg/dL	137.43	4.48		0.57	Good
27	AST (Dry chemistry)	4	50.00	U/L	49.00	1.25		0.80	Good
28	ALT (Dry chemistry)	5	26.00	U/L	33.40	7.52		0.98	Good
29	SODIUM (ISE, Direct)	15	139.30	mmol/L	143.98	* 8.22	2.523	0.57	Good
30	POTASSIUM (ISE, Direct)	16	2.42	mmol/L	2.45	0.18	0.055	0.16	Good
31	CHLORIDE (ISE, Direct)	8	90.10	mmol/L	103.89	14.87		0.93	Good
32	CALCIUM (Dry chemistry)	5	11.50	mg/dL	11.82	0.40		0.80	Good
33	HDL-CHOL (Dry chemistry)	5	53.00	mg/dL	56.80	6.77		0.56	Good
34	Alkaline Phosphatase (Dry chemistry)	5	76.00	U/L	75.40	4.26		0.14	Good

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