



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/2021/9/C3/S9

Report Date : 18/10/2021

Sample : SEP 2021

All Methods

	Parameters	Labs (n)	Lab Value	Unit	Assigned value	SDPA	Um	Z-Score	Remarks
1	TRIGLYCERIDES	22	430.00	mg/dL	353.17	25.37	6.760	3.03	Unsatisfactory
2	AST	33	255.00	U/L	204.51	18.30	3.983	2.76	Questionable
3	POTASSIUM	30	4.50	mmol/L	4.89	0.16	0.037	2.40	Questionable
4	HDL-CHOL	22	89.00	mg/dL	121.37	15.22	4.056	2.13	Questionable
5	CHOLESTEROL	31	191.00	mg/dL	170.93	10.90	2.446	1.84	Satisfactory
6	UREA	33	34.60	mg/dL	31.88	1.86	0.404	1.46	Satisfactory
7	ALT	31	274.00	U/L	234.88	22.37	5.022	1.75	Satisfactory
8	BILIRUBIN	26	12.50	mg/dL	11.47	0.99	0.242	1.05	Satisfactory
9	TOTAL PROTEIN	33	7.90	g/dL	7.28	0.60	0.130	1.05	Satisfactory
10	CHLORIDE	27	99.10	mmol/L	104.82	2.89	0.695	1.98	Satisfactory
11	Direct Bilirubin	27	6.90	mg/dL	5.56	0.99	0.238	1.36	Satisfactory
12	GLUCOSE	36	357.00	mg/dL	372.91	23.84	4.967	0.67	Good
13	CREATININE	37	2.90	mg/dL	2.71	0.22	0.046	0.87	Good
14	ALBUMIN	33	5.90	g/dL	6.72	1.07	0.234	0.76	Good
15	SODIUM	27	141.30	mmol/L	140.82	2.14	0.515	0.23	Good
16	CALCIUM	24	13.50	mg/dL	14.33	1.24	0.315	0.67	Good
17	GGTP	22	85.00	U/L	93.06	11.05	2.945	0.73	Good
18	URIC ACID	30	8.70	mg/dL	9.02	0.43	0.098	0.75	Good
19	Alkaline Phosphatase	29	151.00	U/L	151.02	11.47	2.663		Good

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

This report is for use only by the intended participant.

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NEUBERGER ANAND ACADEMY OF LABORATORY MEDICINE PVT.LTD.

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CIN: U85300KA2018PTC115147

RCA FORM OF ILC / PT / EQAS OUTLIERS

Department: Biochemistry.

Date: 28/9/2021

- 1. Proficiency test exception for: CRUT for August 2021
- 2. Proficiency test provider: NEU-CEAP - Newberg - Anand laboratory medicine.
- 3. Proficiency test analyte group: Peex (Memod).
- 4. Cause for PT exception:

Matrix or value assignment issue.

- 5. How did the section investigate the cause: DATA ENTRY - NO ERROR
IQC - OK
Environmental condition - OK
PM & services - OK
LQC - OK
TQC - OK.
- 6. What was the status of the internal QC on the day PT initially analysed:

OK.

7. Category into which the cause will fit into:

- Method Technique
- Clerical No explanation after investigation
- Problem with PT material Other

- 8. Evidence that the problem was corrected successfully:
All the evidence send to some clinical diagnostics, they did survey for unit, so other labs for the same instrument & NECAP there is a problem with unit. Every passed to NECAP team.
- 9. Specific corrections taken to prevent the recurrence if possible:
-> every has submitted to NECAP through other clinical diagnostics.
-> They are waiting to analyse more sample (> 3)

10. Signatures :: & others EQAS (BLORAD) for unit is pure in all the samples

Quality manager: *[Signature]*

Pathologist: *[Signature]*

RE: NEQAP BIOCHEMISTRY REPORT

Ragavan, Sadanish <sadanish.r@orthoclinicaldiagnostics.com>

Fri 9/24/2021 8:34 PM

To: sruthi <sruthi.m@primadiagnostics.com>

Dear Mam,

Greetings from Ortho Clinical Diagnostics.

Please find detailed analysis below of GGT recovery in Neu-QAP EQAS from various labs with Vitros analysers:

GGT Recovery - Neu-QAP

S.No	EQAS Month	Assigned Value	Prima Diagnostics, Whitefield	Lab 1	Lab 2	Lab 3	Avg of 3 Labs	Bias % (Prima Vs Avg of 3 labs)	Biological Variation allowable Bias for GGT	
1	July	60.37	22	22	26	21	23.0	4.35	11%	Acceptable
2	August	59	120	112	107	125	114.7	-4.65	11%	Acceptable

The above data clearly indicates GGT recovery comparison between all Vitros analysers is acceptable.

There is no Bias in GGT recovery at Prima diagnostics, Whitefield .

Possible Root Cause of EQAS failure:

The data confirms that the failure of EQAS is due to EQAS itself (Matrix or Value assignment issue).

Please kindly check the above and kindly revert back for any further clarifications required.

Thanks & Regards,

Sadanish R

Zonal Manager | Ortho Care Application Support

Ortho Clinical Diagnostics

403, Leela Business Park ,
Andheri Kurla Road,
Andheri (E), Mumbai-400059
M : +91 7708623888

Sadanish.r@orthoclinicaldiagnostics.com

www.orthoclinicaldiagnostics.com

*Reviewed by
Sadanish R
27/9/21*

Ortho Clinical Diagnostics

Because Every Test is a Life

From: sruthi [mailto:sruthi.m@primadiagnostics.com]

Sent: 24 September 2021 11:23

To: Ragavan, Sadanish

Subject: NEQAP BIOCHEMISTRY REPORT

EXTERNAL SENDER: Verify links, attachments and sender before taking action

Dear Sadanesh,

Here am ending NEQAP 2-month reports. Can you give one survey report for NEQAP for GGT.



ame : Mrs. 21WP109417 Ref. Doctor : DR. INTER LAB
ge / Sex : 1 Year(s) / Female COMPARISON
atient ID : PDW052998 Client : Walk-in
isit No. : 21WP109490

Registered Date : 23/09/2021 11:55 AM
Collected On : 23/09/2021 11:57 AM
Received On : 23/09/2021 11:57 AM
Reported On : 23/09/2021 12:28 PM

eport Type : Final

Test	Results	Units	Biological Reference Range
BIOCHEMISTRY			
Gamma-Glutamyl Transferase (GGT) - Serum	20.0	U/L	12-64
Gamma--Glutamyl-p-nitroanilide IFCC			

-- End of Report --

Kindly correlate clinically. If necessary discuss/repeat

1000m
03/10/21

Rajeshwari

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

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Home collection : ☎ +91 78294 90000 | +91 78294 93333, www.primadiagnostics.com | admin.pw@primadiagnostics.com



ame : Mrs. MALATHI Ref. Doctor : DR. SELF
ge / Sex : 53 Year(s) / Female Client : Walk-in
atient ID : PDW052944
isit No. : 21WP109417

Registered Date : 23/09/2021 08:39 AM
Collected On : 23/09/2021 09:31 AM
Received On : 23/09/2021 11:45 AM
Reported On : 23/09/2021 01:27 PM



eport Type : Final

Biuret Method Dry Chemistry

Albumin - Serum 4.4 g/dL 3.5-5.0
Bromo-Cresol Green Dry chemistry

Globulins - Serum 3.7 g/dL 1.8-3.6
Calculated

A G Ratio - Serum 1.19 1.5-2.5
Derived

Gamma-Glutamyl Transferase (GGT) - Serum 22.0 U/L
Y-glutamyl-P-nitroanilide Dry Chemistry
Adult: 12-58
Female: 12-43
Male: 15-73
1 - 3 Years: 5-16

-- End of Report --

Kindly correlate clinically. If necessary discuss/repeat

Handwritten signature and date: 23/9/21

Handwritten signature of Mrs. Sruthi M.
Mrs. Sruthi M,
Biochemist

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Lab 172662
Cycle Data on File Report
Clinical Chemistry (Monthly) Program
 PRIMA DIAGNOSTICS WHITEFIELD
 PRIMA DIAGNOSTICS WHITEFIELD #28/4, S
 VARUTHUR-WHITEFIELD MAIN ROAD
 BANGALORE KARNATAKA 560066
 INDIA

Cycle 19
 Jul 2020 – Jul 2021
 Lot No: 211800



Analyte Unit	Sample Numbers											
	1	2	3	4	5	6	7	8	9	10	11	12

Instrument: SENSE CORE – ST-100/100B/100C /200

CL	mEq/L	111.4	89.2	83.3	104.7	87.9	80.3	109	99	86.6	81.2	102.2	107.8
K	mEq/L	5.76	2.69	1.74	4.29	2.76	1.85	5.62	4.24	2.68	1.93	4.3	5.5
NA	mEq/L	148.5	127.1	120.3	140.4	128.2	122.4	149.7	137.7	125	123	141.1	148.1

Instrument: VITROS 250

ALB	g/dL	4.8	2.9	2.2	4.2	2.6	2.1	4.9	4.1	2.6	2.1*	4.2	4.9
ALKP	U/L	370	138	66	262	143	66	364	276	157	63	251	337
ALT	U/L	173	65	27	129	62	26	181	128	70	25	124	173
AST	U/L	330	102	36	240	104*	36	342	229	109	37	230	340
DBIL	mg/dL	1	0.2	0.1	0.9	0.5	0.1	1.9	1.4	0.1	0.1	1.2	2.1
IBIL	mg/dL	5.7	2.2	1	4.6	2.3	1.1	6.1	4.4	2.4	1.1	4.6	5.9
TBIL	mg/dL	6.7	2.4	1.1	5.7	2.8	1.2	8	5.8	2.5	1.2	5.8	8
CA	mg/dL	14.3	8.4	6	12.2	8.7	5.7	15.6	11.6	8.4	5.8	11.9	15.8
HDL	mg/dL	69	31	20	53	31	21	74	57	34	20	57	76
CHOL	mg/dL	360	155	90	280	160	92	376	281	157	88	285	368
CREA	mg/dL	1.4	6.3	3.6	2.3	6.2	3.4	1.3	2.1	6.2	3.6	2.2	1.4
eGFR		-	-	-	-	-	-	-	-	-	-	-	-
GGT	U/L	449	230	122	817	212	114*	446	787	233	120	798	443
GLUC	mg/dL	139	58	30	104	58	29*	139	97	60	28	100	136
TP	g/dL	7.7	4.4	3.5	6.5	4.4	3.6	7.5	6.1	4.4	3.5	5.9	7.7
TRIG	mg/dL	215	90	47	165	88	48	226	167	99	52	170	227
UREA	mg/dL	176	54.2	14.9	119.8	50.5	16	167.5	113.6	57.5	12.9	118.5	166.1
URIC	mg/dL	8.9	4.4	2.9	7	4.2	3.1	9.1	7	4.7	3.1	7.1	9

Instrument: VITROS Eci

FT3	pg/mL	6.68*	4.09*	2.69*	4.43*	3.66*	2.32*	-	6.04	3.75	2.56	5.55	6.89
TT3	ng/mL	2.34	1.25	0.72	1.86	1.2	0.64	2.3	1.9	1.21	0.734	1.82	2.29
FT4	ng/dL	1.76	1.28	1.05	1.5	1.08	0.92	1.71	1.47	1.23	1	1.27	1.41
TT4	µg/dL	10.6*	6.24*	4.32*	9.35*	6.9*	4.55*	12.3*	9.88	6.4	4.56	9.21	12.4
TSH	µIU/mL	20.8	6.7	0.87	14.9	6.43	0.952	21.2	14.9*	6.96	0.849	14.9	19.6

Legend: No Warnings Late Results 2.0 < |Z-score| < 3.0 |Z-score| > 3.0 - No Result
 * Amended Result (per participant's request) [†] Non-robust determination of Mean and SD



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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CIN: U85300KA2018PTC115147



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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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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

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		1.46	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

Authorised Signatory

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Dr. Sujay Prasad
Technical Manager and Program coordinator

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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

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

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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CIN: U85300KA2018PTC115147

RCA FORM OF ILC / PT / EQAS OUTLIERS

Department: *BIOCHEMISTRY*Date: *JUL 2021*

1. Proficiency test exception for: *ALT, HDL, CRP, & ALP - July 2021*
2. Proficiency test provider: *- Neo-CCAP-Neuberg Amund diagnostics*
3. Proficiency test analyte group: *Peer-Method group.*
4. Cause for PT exception: *Random error.*
5. How did the section investigate the cause:
 - Sample was inadequate after the analysis for cross checking.*
 - Same day IQC, they month LJ, Equipment maintenance every thing is fine that day.*
6. What was the status of the internal QC on the day PT initially analysed:
 - fine.*

7. Category into which the cause will fit into:

Method Technique Clerical No explanation after investigation Problem with PT material Other

8. Evidence that the problem was corrected successfully:

→ done inter lab comparison with NABL accredited lab so parameter kept under observation for further follow up.

9. Specific corrections taken to prevent the recurrence if possible:

→ As per Peer Group Parameters are coming within the range. But Peer group Z-score is not updated

10. Signatures :: *because of less number participants.*
→ a. If the same parameter coming outlier for continuous months we will ask the statement from PT provider.

Quality manager:

Pathologist:





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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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

Sruthi M.

Mrs. Sruthi M,
Biochemist



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Report 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
 < 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

Mrs. Sruthi M.

Mrs. Sruthi M,
 Biochemist



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Mrs. Sruthi M,
Biochemist



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/2021/8/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
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

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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Page 2 of 22



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

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CIN: U85300KA2018PTC115147



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/2021/8/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

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

Journal
9/10/21

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

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Page 3 of 22



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

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CIN: UR5300KA2018PTC115147