



RML – Quality Assurance Program (RML – QAP)



To,

Date: 07.03.2022

Dr. Anil Savaliya
Arpan Diagnostic Centre LLP,
SV Comple, NR Raj Bank,
Indira Circle, Rajkot Gujarat- 360005

Subject: RML Quality Assurance Program 2022, Cycle-Eleven (11)

Dear Participant,

We confirm your enrollment in our **Quality Assurance Program Cycle-11, 2022**. Mentioned below are some important details.

1. Your Lab Confidential Code is **2449**
2. Field you opted for
 - a) **Extended Biochemistry (Bio-02)**
 - b) **Immunology**
 - c) **Basic Serology (Sero-01)**
 - d) **Urine Routine**

3. You are requested to mention only your **Lab Code** while submitting the results which can also be mailed to us at rmlqap@rmlresearchfoundation.com clearly mentioning your lab code in **subject line**.

4. Sample dispatch will have prior information.

5. If you have not received the sample within 5 days of dispatch or there is any discrepancy in the sample received. Kindly send an email urgently. So that corrective action can be taken.

6. Please adhere to mentioned time lines.

“QAP program success is dependent on your cooperation”

Chief PT Coordinator

(Dr. Sanjay Mehrotra)



Address: B-171, Nirala Nagar, Lucknow - 226 020. Ph. : 4034100-130 (30 Lines), 4077180, 2788444 Fax : (0522)2788555

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Continuous Efforts And Execution Leads To Quality Excellence



RML – Quality Assurance Program (RML – QAP)



BIO-CHEMISTRY-02

ALL METHOD REPORT

Lab Code: 2449

Cycle - 11/2022

Round No - 3

Date: 05/04/2022

| Parameters | Units | No.of. Participants | Group Mean | Standard deviation (SD) | Uncertainty of Assign Values | Range (± 2 SD) | Your Value | Standard Deviation Index (SDI) |
|----------------------|-------|---------------------|------------|-------------------------|------------------------------|---------------------|------------|--------------------------------|
| Albumin | g/dL | 155 | 2.9 | 0.2 | 0.02 | 2.5-3.3 | 3.0 | 0.5 |
| Alkaline Phosphatase | U/L | 145 | 310.2 | 82.2 | 8.53 | 145.8-474.7 | 332 | 0.3 |
| Bilirubin Total | mg/dL | 156 | 5.0 | 0.6 | 0.06 | 3.9-6.1 | 5.9 | 1.5 |
| Calcium(Total) | mg/dL | 132 | 12.1 | 1.0 | 0.11 | 10.1-14.0 | 13.2 | 1.1 |
| Cholesterol (Total) | mg/dL | 152 | 273.7 | 16.1 | 1.63 | 241.5-306 | 290 | 1.0 |
| Creatinine | mg/dL | 158 | 4.2 | 0.4 | 0.04 | 3.4-5.0 | 4.0 | -0.5 |
| Glucose | mg/dL | 158 | 264.9 | 15.5 | 1.54 | 234.0-295.9 | 282 | 1.1 |
| HDL | mg/dL | 143 | 96.2 | 33.9 | 3.54 | 28.4-164 | 73.2 | -0.7 |
| Potassium | mEq/L | 134 | 5.8 | 0.3 | 0.03 | 5.1-6.4 | 5.9 | 0.3 |
| Protein (Total) | g/dl | 154 | 4.7 | 0.4 | 0.04 | 3.8-5.5 | 3.6 | -2.8 |
| Sodium | mEq/L | 134 | 154.5 | 5.1 | 0.55 | 144.2-164.8 | 155 | 0.1 |
| SGPT/ALT | U/L | 155 | 121.4 | 13.4 | 1.35 | 94.5-148.2 | 128 | 0.5 |
| SGOT/AST | U/L | 155 | 133.3 | 12.7 | 1.28 | 107.9-158.7 | 162 | 2.3 |
| Triglyceride | mg/dL | 152 | 252.2 | 16.0 | 1.62 | 220.1-284.2 | 285 | 2.1 |
| Urea | mg/dL | 157 | 116.1 | 9.7 | 0.97 | 96.8-135.4 | 123 | 0.7 |
| Uric Acid | mg/dL | 157 | 8.9 | 0.9 | 0.09 | 7.2-10.7 | 9.6 | 0.8 |
| Chloride | mEq/L | 29 | 116.9 | 4.7 | 1.09 | 107.6-126.3 | . | - |
| Phosphorus | mg/dL | 26 | 6.8 | 0.5 | 0.12 | 5.9-7.8 | 5.5 | -2.6 |
| Magnesium | mg/dl | 17 | 3.8 | 1.0 | 0.30 | 1.8-5.8 | . | - |
| Iron | ug/dL | 21 | 208.4 | 14.9 | 4.06 | 178.6-238.1 | 205 | -0.2 |
| Amylase | U/L | 27 | 255.5 | 52.2 | 12.56 | 151.2-359.9 | 314 | 1.1 |
| CK | U/L | 20 | 511.9 | 193.7 | 54.14 | 124.4-899.4 | 419 | -0.5 |

Interpretation of SDI:

| SDI Value(+/-) | 0 - 0.5 | 0.6 - 0.9 | 1.0 - 2.0 | 2.1 - 2.9 | ≥ 3 |
|----------------|-----------------------|------------------|------------------------|---------------------------------------|--|
| Interpretation | Excellent Performance | Good Performance | Acceptable Performance | Marginal Performance Need Improvement | Unacceptable Performance Needs Urgent action |

| Legends | (*) Excluded From Group | {.} Not Reported | (#)Late Result | (\$)Reported in |
|---------|-------------------------|------------------|----------------|-----------------|
|---------|-------------------------|------------------|----------------|-----------------|

Chief Coordinator

Dr.Sanjay Mehrotra

Checked By:

Prepared by: SV

Programme Director

Dr.Bandana Mehrotra

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BIO-CHEMISTRY

METHOD WISE REPORT

Cycle - 11/2022

Round No - 3

Date: 05/04/2022

Lab Code: 2449

Note: Your Lab is not the part of this method group

| Parameters | Units | Method Group | No.of. Participants in Group | Method Wise Group Mean | Method Wise Standard deviation (SD) | Method Wise Uncertainty of Assign Values | Method Wise Range (± 2 SD) | Your Value | Method Wise Standard Deviation Index (SDI) |
|----------------------|-------|--|------------------------------|------------------------|-------------------------------------|--|---------------------------------|------------|--|
| Albumin | g/dL | Bromcresal Green (BCG) | 75 | 2.9 | 0.2 | 0.03 | 2.5-3.3 | - | - |
| Alkaline Phosphatase | U/L | PNPP, AMP Buffer | 43 | 299.9 | 62.4 | 11.89 | 175.2-424.6 | - | - |
| Bilirubin Total | mg/dL | Diazonium Ion | 27 | 4.9 | 0.7 | 0.17 | 3.6-6.3 | - | - |
| Calcium(Total) | mg/dL | Arsenazo iii | 38 | 12.1 | 0.9 | 0.18 | 10.4-13.9 | - | - |
| Cholesterol (Total) | mg/dL | Cholestrol Oxidase,esterase, peroxidase | 54 | 275.1 | 15.0 | 2.55 | 245.2-305.1 | - | - |
| Creatinine | mg/dL | Enzymatic | 27 | 4.4 | 0.4 | 0.10 | 3.7-5.1 | - | - |
| Glucose | mg/dL | Glucose oxidase,hydrogen peroxide(Trinder) | 30 | 268.3 | 15.4 | 3.51 | 237.4-299.2 | - | - |
| HDL | mg/dL | Direct measure-PEG | 24 | 102.3 | 36.5 | 9.31 | 29.2-175.3 | - | - |
| Potassium | mEq/L | ISE Direct | 48 | 5.8 | 0.3 | 0.05 | 5.2-6.5 | - | - |
| Protein (Total) | g/dl | Biuret, reagent blank, end point | 23 | 4.7 | 0.6 | 0.16 | 3.5-5.8 | - | - |
| Sodium | mEq/L | ISE Direct | 49 | 154.9 | 4.5 | 0.80 | 146.0-163.9 | - | - |
| SGPT/ALT | U/L | UV without P5P | 26 | 118.8 | 16.7 | 4.09 | 85.5-152.1 | - | - |
| SGOT/AST | U/L | UV without P5P | 26 | 127.7 | 14.2 | 3.48 | 99.3-156.1 | - | - |
| Triglyceride | mg/dL | Enzymatic, end point | 29 | 251.5 | 10.9 | 2.53 | 229.7-273.4 | - | - |
| Urea | mg/dL | Urease, UV | 38 | 116.8 | 7.9 | 1.60 | 101.1-132.5 | - | - |
| Uric Acid | mg/dl | Uricase, Colorimetric | 48 | 8.9 | 0.8 | 0.14 | 7.2-10.5 | - | - |

Interpretation of SDI:

| SDI Value(+/-) | 0 - 0.5 | 0.6 - 0.9 | 1.0 - 2.0 | 2.1 - 2.9 | ≥ 3 |
|----------------|-----------------------|------------------|------------------------|---------------------------------------|--|
| Interpretation | Excellent Performance | Good Performance | Acceptable Performance | Marginal Performance Need Improvement | Unacceptable Performance Needs Urgent action |

| Legends | (*) Excluded From Group Mean | { } Not Reported | (#)Late Result Submission | (\$)Reported in other Unit |
|---------|------------------------------|------------------|---------------------------|----------------------------|
|---------|------------------------------|------------------|---------------------------|----------------------------|

Chief Coordinator

Programme Director

Dr.Sanjay Mehrotra

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Checked By:

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Prepared by: PS

