



**DEPARTMENT OF LABORATORY SERVICES**

|                    |                              |                        |                   |
|--------------------|------------------------------|------------------------|-------------------|
| <b>Patient</b>     | Mr. MILAN R MAKWANA          | <b>Lab No/ManualNo</b> | 5389126/          |
| <b>UHIDNo/IPNO</b> | 300446815                    | <b>CollectionDate</b>  | 19/03/2024 4:57PM |
| <b>Age/Gender</b>  | 31 Years/Male                | <b>Receiving Date</b>  | 19/03/2024 5:24PM |
| <b>Bed No/Ward</b> | OPD                          | <b>Report Date</b>     | 19/03/2024 6:50PM |
| <b>Referred By</b> | Dr. Casualty Medical Officer | <b>Report Status</b>   | Final             |
|                    |                              | <b>Sample Quality</b>  | Normal            |

| Test Name | Result | Unit | Bio. Ref. Range | Method | Sample |
|-----------|--------|------|-----------------|--------|--------|
|-----------|--------|------|-----------------|--------|--------|

**Biochemistry**

ArcoFemi Healthcare Ltd Below 40 Male

|  |              |       |               |                                     |       |
|--|--------------|-------|---------------|-------------------------------------|-------|
|  |              |       |               |                                     | Serum |
| Gamma GT   | 24.50        | U/L   | 10.00 - 71.00 | Enzymatic method                    | Serum |
| Creatinine   | 0.99         | mg/dL | 0.70 - 1.20   | Jaffe Kinetic Compensated           | Serum |
| Uric Acid  | <b>H 8.5</b> | mg/dL | 3.4 - 7.0     | Uricase / Peroxidase (Colorimetric) | Serum |
| Random Glucose   | 77.0         | mg/dL | < 140.0       | Hexokinase                          |       |
| As per ADA Guideline<br>Normal : Less than 100 mg/dL<br>Prediabetes : 100 mg/dL to 125 mg/dL<br>Diabetes : 126 mg/dL or Higher |              |       |               |                                     |       |

**\*LIVER FUNCTION TEST (LFT) SERUM**

|                      |       |     |              |                                  |       |
|----------------------|-------|-----|--------------|----------------------------------|-------|
| SGPT(ALT)            | 38.50 | U/L | 0.00 - 41.00 | IFCC without pyridoxal phosphate | Serum |
| SGOT(AST)            | 31.40 | U/L | 0.00 - 40.00 | IFCC without pyridoxal phosphate |       |
| Alkaline Phosphatase | 79.0  | U/L | 40.0 - 129.0 | PNP-Standardize                  |       |



Dr. Kazumi Gondalia  
M.D (Path)  
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|                    |               |       |             |  |
|--------------------|---------------|-------|-------------|--|
| Bilirubin Total    | 0.58          | mg/dL | 0.00 - 1.10 | Diazo Method                               |
| Bilirubin Direct   | <b>H 0.21</b> | mg/dL | 0.00 - 0.20 | Diazo Method                               |
| Bilirubin Indirect | 0.37          | mg/dL | 0.00 - 1.10 | Calculate from Total and Direct Billirubin |
| Protein Total      | 7.96          | g/dL  | 6.40 - 8.20 | Biuret Method                              |
| Albumin            | 4.64          | g/dL  | 3.97 - 4.95 | BCG Endpoint                               |
| Globulin           | 3.32          | g/dL  | 2.20 - 3.50 | Calculated                                 |
| A/G Ratio          | 1.40          | Ratio | 0.90 - 2.80 | Ratio                                      |

EDTA Blood

|                  |      |   |   |                     |
|------------------|------|---|---|---------------------|
| HbA1c (Glyco Hb) | 5.80 | % | 4.8 % - 5.9 % Normal<br>5.9 % - 7.0 % Good diabetic Control<br>7.0 % - 10.00 % Fair Diabetic Control<br>>10.0 % Poor diabetic Control | Immunoturbidimetric |
|------------------|------|---|---|---------------------|

|                     |       |       |              |
|---------------------|-------|-------|--------------|
| Mean Plasma Glucose | 130.0 | mg/dL | 80.0 - 140.0 |
|---------------------|-------|-------|--------------|

Serum

|            |      |       |             |                     |
|------------|------|-------|-------------|---------------------|
| Blood Urea | 18.8 | mg/dL | 16.6 - 48.5 | Urease,Kinetic,GLDH |
| BUN*       | 8.8  | mg/dL | 6.0 - 20.0  | Ureas with UV       |

Serum

|                             |       |        |                |        |
|-----------------------------|-------|--------|----------------|--------|
| TOTAL T3*                   | 1.480 | ng/mL  | 0.850 - 2.020  | ECLIA. |
| TOTAL T4*                   | 8.200 | ug/dL  | 5.130 - 14.060 | ECLIA. |
| THYROID STIMULATING HORMONE | 3.890 | uIU/mL | 0.270 - 4.200  | ECLIA. |

(\*) Not in NABL Scope

\*\*End Of Report\*\*



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**Biochemistry**

ArcoFemi Healthcare Ltd Below 40 Male

**\*LIPID PROFILE (WITH DIRECT LDL)**

Serum

|                               |                |       |   |                            |  |
|-------------------------------|----------------|-------|---|----------------------------|--|
| Sample Type                   | Random         |       |   |                            |  |
| Cholesterol Total             | 185.70         | mg/dL | Less than 160 mg/dL<br>Excellent<br>Less than 200 mg/dL<br>Desirable<br>200-239 mg/dL<br>Borderline High<br>240 mg/dl & over high   | Enzymatic<br>(CHE/CHO/POD) |  |
| Triglycerides                 | 228.60         | mg/dL | Less than 150 mg/dL<br>Normal<br>150-199 mg/dL<br>Borderline High<br>200-499 mg/dL High<br>500 mg/dL or greater<br>very High  | GPO-PAP                    |  |
| HDL Cholesterol               | 31.40          | mg/dL | Less than 40 mg/dL Low<br>60 mg/dL or Above<br>Excellent  | Homogenous Enzymatic       |  |
| LDL Cholesterol (Direct)      | 123.70         | mg/dL | Less than 80 mg/dL<br>Excellent<br>Less than 100 mg/dL<br>Optimal<br>100-129 mg/dL Near or<br>above optimal<br>130-159 mg/dL<br>Borderline High<br>160-189 mg/dL High<br>190 mg/dL & above Very<br>High | Homogenous Enzymatic       |  |
| VLDL Cholesterol              | <b>H 45.72</b> | mg/dL | < 30  | Calculated                 |  |
| LDL/HDL RATIO                 | <b>H 3.94</b>  |       | < 3.50  | Calculated                 |  |
| Cholesterol Total / HDL Ratio | <b>H 5.91</b>  |       | < 4.50  |                            |  |

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|                    |                              | <b>Sample Quality</b>  |                   |

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\*\*End Of Report\*\*

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| <b>Bed No/Ward</b> | OPD                          | <b>Report Date</b>     | 19/03/2024 6:06PM |
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|                    |                              | <b>Sample Quality</b>  |                   |

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**Clinical Pathology**

ArcoFemi Healthcare Ltd Below 40 Male

**\*URINE ROUTINE EXAMINATION**

Urine

**Physical Examination:**

|             |               |  |               |   |  |
|-------------|---------------|--|---------------|---|--|
| Quantity    | 20 ml         |  |               | Visual method                             |  |
| Colour      | Pale Yellow   |  |               | Visual method                             |  |
| Appearance: | Slightly Hazy |  |               | Visual method                             |  |
| Reaction    | 6             |  |               | Reflectance photometer                    |  |
| Sp. Gravity | 1.015         |  | 1.015 - 1.030 | Reflectance photometer/Enzymatic reaction |  |

**Chemical Examination:**

|           |        |  |  |                               |  |
|-----------|--------|--|--|-------------------------------|--|
| U.Albumin | Nil    |  |  | Reflectance photometer/Manual |  |
| U.Glucose | Absent |  |  |                               |  |
| U.Acetone | Absent |  |  |                               |  |
| BS/BP     | Absent |  |  |                               |  |

**Microscopic Examination**

|                 |            |  |         |            |  |
|-----------------|------------|--|---------|------------|--|
| Pus Cell        | Occasional |  | /H.P.F. | Microscopy |  |
| Red Blood Cell  | Nil        |  | /H.P.F. |            |  |
| Epithelial cell | 1-2        |  | /H.P.F. |            |  |
| Cast            | Absent     |  |         |            |  |
| Crystals        | Absent     |  |         |            |  |
| Amorphous       | Absent     |  |         |            |  |
| Monilia         | Absent     |  |         |            |  |

(\*) Not in NABL Scope

\*\*End Of Report\*\*

Dr. Jitendra Narendrabhai Nayak

Reg.No:G-14786

Consultant Pathologist



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| <b>Bed No/Ward</b> | OPD                          | <b>Report Date</b>     | 19/03/2024 6:37PM |
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| Test Name | Result | Unit | Bio. Ref. Range | Method | Sample |
|-----------|--------|------|-----------------|--------|--------|
|-----------|--------|------|-----------------|--------|--------|

**Haematology**

ArcoFemi Healthcare Ltd Below 40 Male

**\*CBC WITH ESR**

EDTA Blood

|                                      |   |          |                    |  |  |
|--------------------------------------|---|----------|--------------------|--|--|
| Haemoglobin                          | 15.3  | g/dL     | 13.5 - 18.0        | SLS Method                                 |  |
| Hematocrit/PCV                       | 49.4  | %        | 42.0 - 52.0        | H.focusing Method                          |  |
| RBC COUNT                            | <b>H 6.11</b>   | mill/Cmm | 4.70 - 6.00        | H.focusing impedance                       |  |
| MCV                                  | <b>L 80.9</b>   | fl       | 83.0 - 101.0       | Calculated                                 |  |
| MCH                                  | <b>L 25.0</b>   | pg       | 27.0 - 31.0        | Calculated                                 |  |
| MCHC                                 | <b>L 31.0</b>   | g/dL     | 32.0 - 36.0        | Calculated                                 |  |
| RDW-CV                               | 13.7  | %        | 11.5 - 14.0        | Calculated                                 |  |
| Platelet count                       | 318000  | /cumm    | 150000 - 410000    | H.focusing impedance                       |  |
| Mean Platelet Volume(MPV)*           | 9.4   | fl       | 8 - 12             | Calculated                                 |  |
| Total Leucocyte Count (TLC)          | 6100.00   | /cumm    | 4000.00 - 10500.00 | Flow Cytometry                             |  |
| <b>Differential Leucocyte Count</b>  |   |          |                    | Flowcytometry/Microscopic                  |  |
| Neutrophils                          | 47  | %        | 40 - 70            |  |  |
| Lymphocytes                          | 41  | %        | 22 - 45            |  |  |
| Eosinophils                          | 04  | %        | 1 - 4              |  |  |
| Monocytes                            | <b>H 08</b>   | %        | 1 - 6              |  |  |
| Basophils                            | 00  | %        | 0 - 1              |  |  |
| <b>Absolute Leucocyte Count</b>      |   |          |                    |  |  |
| Absolute Neutrophil Count*           | 2867  | /cumm    | 1800 - 7700        |  |  |
| Absolute Lymphocyte count*           | 2501  | /cumm    | 1000 - 4800        |  |  |
| Absolute Eosinophil Count (AEC)      | 244.0   | /cumm    | 0.0 - 450.0        |  |  |
| Absolute Monocyte Count*             | 488   | /cumm    | 0 - 800            |  |  |
| Peripheral Smear Study               | RBCs are Normochromic & Normocytic. Platelets are adequate in number. Malarial Parasites are not seen. No Premature cells are seen. |          |                    |  |  |
| Erythrocyte Sedimentation Rate (ESR) | <b>H 11</b>   | mm/hr    | 0 - 10             | Photometric capillary stopped flow kinetic |  |

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**Immuno-Haematology**

ArcoFemi Healthcare Ltd Below 40 Male

**\*BLOOD GROUPING**

EDTA Blood

|           |          |  |  |                           |  |
|-----------|----------|--|--|---------------------------|--|
| ABO Group | "B"      |  |  | Tube Agglutination Method |  |
| Rh Type   | Positive |  |  |                           |  |

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