

## Laboratory Investigation Report

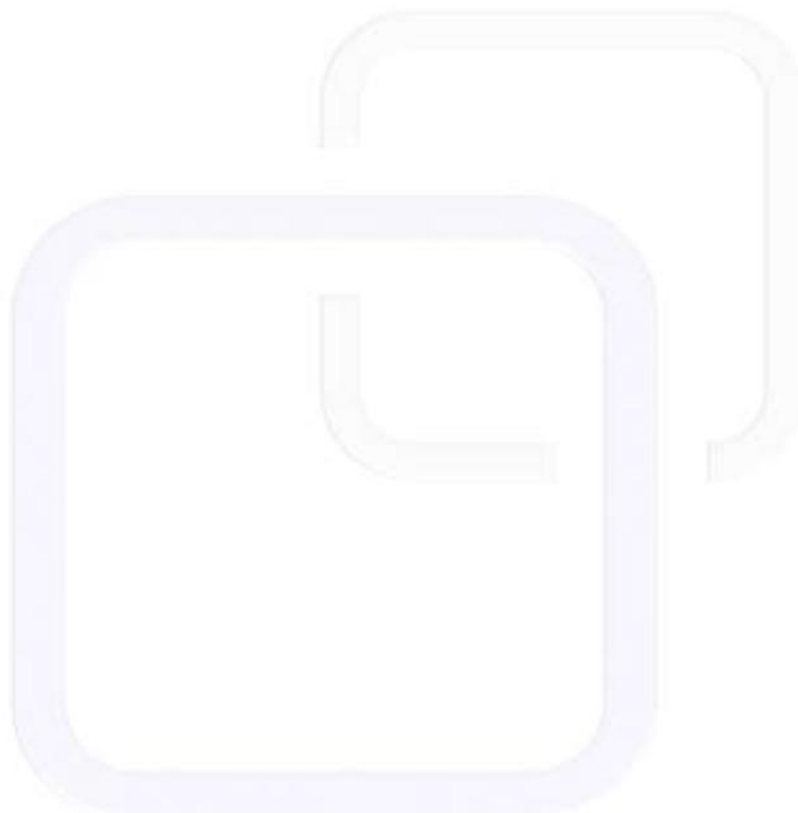
|              |                               |            |                    |
|--------------|-------------------------------|------------|--------------------|
| Name         | : Mr. MUHAMMAD ZEESHAN MALIK  | Ref No.    | : 38500            |
| DOB          | : 29/07/1998                  | Sample No. | : 2404392469       |
| Age / Gender | : 25 Y / Male                 | Collected  | : 14/04/2024 21:00 |
| Referred by  | : Dr. Sandia Bhojwani         | Registered | : 15/04/2024 15:42 |
| Centre       | : Peshawar Medical Center LLC | Reported   | : 15/04/2024 19:07 |

### BIOCHEMISTRY

| Test                     | Result | Flag | Unit | Reference Range | Methodology        |
|--------------------------|--------|------|------|-----------------|--------------------|
| C-REACTIVE PROTEIN (CRP) | 0.4    |      | mg/L | < 5.0           | Immunoturbidimetry |

Sample Type : Serum

End of Report



Dr. Adley Mark Fernandes  
M.D (Pathology)  
Pathologist

Dr. Vyoma V Shah  
M.D (Pathology)  
Clinical Pathologist

HARSHAD MANIKANDAN  
Laboratory Technician

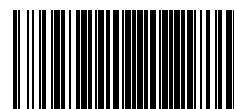
This is an electronically authenticated report

Page 1 of 4

Printed on: 17/04/2024 13:25

Test result pertains only to the sample tested and to be interpreted in the light of clinical history. These tests are accredited under ISO 15189:2012 unless specified by (^). Test marked with # is performed in an accredited referral laboratory.





BML327276

## Laboratory Investigation Report

|                     |                               |                   |                    |
|---------------------|-------------------------------|-------------------|--------------------|
| <b>Name</b>         | : Mr. MUHAMMAD ZEESHAN MALIK  | <b>Ref No.</b>    | : 38500            |
| <b>DOB</b>          | : 29/07/1998                  | <b>Sample No.</b> | : 2404392469       |
| <b>Age / Gender</b> | : 25 Y / Male                 | <b>Collected</b>  | : 14/04/2024 21:00 |
| <b>Referred by</b>  | : Dr. Sandia Bhojwani         | <b>Registered</b> | : 15/04/2024 15:42 |
| <b>Centre</b>       | : Peshawar Medical Center LLC | <b>Reported</b>   | : 15/04/2024 18:22 |

### HEMATOLOGY

| Test                                       | Result | Flag | Unit                | Reference Range | Methodology                       |
|--------------------------------------------|--------|------|---------------------|-----------------|-----------------------------------|
| <b>COMPLETE BLOOD COUNT (CBC)</b>          |        |      |                     |                 |                                   |
| HEMOGLOBIN                                 | 16     |      | g/dL                | 13.5 - 17.5     | Spectrophotometry (Oxyhemoglobin) |
| RBC COUNT                                  | 5.2    |      | 10 <sup>6</sup> /μL | 4.3 - 5.7       | Electrical Impedance              |
| HEMATOCRIT                                 | 47.2   |      | %                   | 38 - 50         | Calculation                       |
| MCV                                        | 90.2   |      | fL                  | 82 - 98         | Calculation                       |
| MCH                                        | 30.6   |      | pg                  | 27 - 32         | Calculation                       |
| MCHC                                       | 33.9   |      | g/dL                | 32 - 37         | Calculation                       |
| RDW                                        | 12.1   |      | %                   | 11.8 - 15.6     | Calculation                       |
| RDW-SD                                     | 37.6   |      | fL                  |                 | Calculation                       |
| MPV                                        | 9.6    |      | fL                  | 7.6 - 10.8      | Calculation                       |
| PLATELET COUNT                             | 231    |      | 10 <sup>3</sup> /μL | 150 - 450       | Electrical Impedance              |
| PCT                                        | 0.2    |      | %                   | 0.01 - 9.99     | Calculation                       |
| PDW                                        | 16.9   |      | Not Applicable      | 0.1 - 99.9      | Calculation                       |
| NUCLEATED RBC (NRBC) <sup>^</sup>          | 0.1    |      | /100 WBC            |                 | Flow Cytometry                    |
| ABSOLUTE NRBC COUNT <sup>^</sup>           | 0.01   |      | 10 <sup>3</sup> /uL |                 | Calculation                       |
| EARLY GRANULOCYTE COUNT (EGC) <sup>^</sup> | 0.4    |      | %                   |                 | Flow Cytometry                    |
| ABSOLUTE EGC <sup>^</sup>                  | 0      |      | 10 <sup>3</sup> /uL |                 | Calculation                       |
| WBC COUNT                                  | 9.9    |      | 10 <sup>3</sup> /μL | 4 - 11          | Electrical Impedance              |
| <b>DIFFERENTIAL COUNT (DC)</b>             |        |      |                     |                 |                                   |
| NEUTROPHILS                                | 55     |      | %                   | 40 - 75         | Flow Cytometry                    |
| LYMPHOCYTES                                | 34     |      | %                   | 20 - 45         | Flow Cytometry                    |
| EOSINOPHILS                                | 4      |      | %                   | 0 - 6           | Flow Cytometry                    |
| MONOCYTES                                  | 6      |      | %                   | 1 - 6           | Flow Cytometry                    |
| BASOPHILS                                  | 1      |      | %                   | 0 - 1           | Flow Cytometry                    |
| <b>ABSOLUTE COUNT</b>                      |        |      |                     |                 |                                   |
| ABSOLUTE NEUTROPHIL COUNT                  | 5.3    |      | 10 <sup>3</sup> /uL | 1.6 - 8.25      | Calculation                       |
| ABSOLUTE LYMPHOCYTE COUNT                  | 3.4    |      | 10 <sup>3</sup> /uL | 0.8 - 4.95      | Calculation                       |
| ABSOLUTE MONOCYTE COUNT                    | 0.6    |      | 10 <sup>3</sup> /uL | 0.04 - 0.66     | Calculation                       |
| ABSOLUTE EOSINOPHIL COUNT                  | 0.4    |      | 10 <sup>3</sup> /uL | 0 - 0.66        | Calculation                       |
| ABSOLUTE BASOPHIL COUNT                    | 0.1    |      | 10 <sup>3</sup> /uL | 0 - 0.11        | Calculation                       |

**Dr. Adley Mark Fernandes**  
M.D (Pathology)  
Pathologist

**Dr. Vyoma V Shah**  
M.D (Pathology)  
Clinical Pathologist

This is an electronically authenticated report

Page 2 of 4

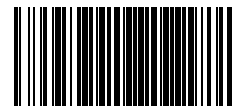


**CHRISTEENA FRANCIS**  
Laboratory Technologist

Printed on: 17/04/2024 13:25

Test result pertains only to the sample tested and to be interpreted in the light of clinical history. These tests are accredited under ISO 15189:2012 unless specified by (^). Test marked with # is performed in an accredited referral laboratory.





## Laboratory Investigation Report

|                     |                               |                   |                    |
|---------------------|-------------------------------|-------------------|--------------------|
| <b>Name</b>         | : Mr. MUHAMMAD ZEESHAN MALIK  | <b>Ref No.</b>    | : 38500            |
| <b>DOB</b>          | : 29/07/1998                  | <b>Sample No.</b> | : 2404392469       |
| <b>Age / Gender</b> | : 25 Y / Male                 | <b>Collected</b>  | : 14/04/2024 21:00 |
| <b>Referred by</b>  | : Dr. Sandia Bhojwani         | <b>Registered</b> | : 15/04/2024 15:42 |
| <b>Centre</b>       | : Peshawar Medical Center LLC | <b>Reported</b>   | : 15/04/2024 18:22 |

### HEMATOLOGY

| Test | Result | Flag | Unit | Reference Range | Methodology |
|------|--------|------|------|-----------------|-------------|
|------|--------|------|------|-----------------|-------------|

#### COMPLETE BLOOD COUNT (CBC)

Interpretation Notes : Please note update on CBC report format and changes in reference ranges.



**Dr. Adley Mark Fernandes**  
**M.D (Pathology)**  
**Pathologist**

**Dr. Vyoma V Shah**  
**M.D (Pathology)**  
**Clinical Pathologist**

*Christeena*

**CHRISTEENA FRANCIS**  
**Laboratory Technologist**

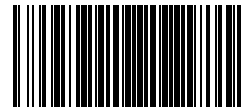
This is an electronically authenticated report

Page 3 of 4

Printed on: 17/04/2024 13:25

Test result pertains only to the sample tested and to be interpreted in the light of clinical history. These tests are accredited under ISO 15189:2012 unless specified by (^). Test marked with # is performed in an accredited referral laboratory.





BML327276

## Laboratory Investigation Report

|                     |                               |                   |                    |
|---------------------|-------------------------------|-------------------|--------------------|
| <b>Name</b>         | : Mr. MUHAMMAD ZEESHAN MALIK  | <b>Ref No.</b>    | : 38500            |
| <b>DOB</b>          | : 29/07/1998                  | <b>Sample No.</b> | : 2404392469       |
| <b>Age / Gender</b> | : 25 Y / Male                 | <b>Collected</b>  | : 14/04/2024 21:00 |
| <b>Referred by</b>  | : Dr. Sandia Bhojwani         | <b>Registered</b> | : 15/04/2024 15:42 |
| <b>Centre</b>       | : Peshawar Medical Center LLC | <b>Reported</b>   | : 15/04/2024 18:44 |

### HAEMATOLOGY

| Test                                 | Result | Flag | Unit  | Reference Range                                              | Methodology |
|--------------------------------------|--------|------|-------|--------------------------------------------------------------|-------------|
| ERYTHROCYTE SEDIMENTATION RATE (ESR) | 7      |      | mm/hr | < 15<br>Please note change in<br>reference range and method. | Automated   |

#### Interpretation Notes :

Increased ESR is seen in inflammation, pregnancy, anemia, autoimmune disorders (such as rheumatoid arthritis and lupus), infections, some kidney diseases and some cancers (such as lymphoma and multiple myeloma).

The ESR is decreased in polycythemia, hyperviscosity, sickle cell anemia, leukemia, low plasma protein (due to liver or kidney disease), congestive heart failure, hypofibrinogenemia and leukocytosis.

Sample Type : EDTA Whole Blood

End of Report

**Dr. Adley Mark Fernandes**  
M.D (Pathology)  
Pathologist

**Dr. Vyoma V Shah**  
M.D (Pathology)  
Clinical Pathologist

This is an electronically authenticated report

Page 4 of 4

*Christeena*

**CHRISTEENA FRANCIS**  
Laboratory Technologist

Printed on: 17/04/2024 13:25

Test result pertains only to the sample tested and to be interpreted in the light of clinical history. These tests are accredited under ISO 15189:2012 unless specified by (^). Test marked with # is performed in an accredited referral laboratory.

