



BML416908

## Laboratory Investigation Report

|                     |                               |                   |                    |
|---------------------|-------------------------------|-------------------|--------------------|
| <b>Name</b>         | : Mr. SHADAD AKBAR            | <b>Ref No.</b>    | : 43308            |
| <b>DOB</b>          | : 06/05/1999                  | <b>Sample No.</b> | : 2406425617       |
| <b>Age / Gender</b> | : 25 Y / Male                 | <b>Collected</b>  | : 07/06/2024 19:00 |
| <b>Referred by</b>  | : DR HUMAIRA                  | <b>Registered</b> | : 07/06/2024 21:52 |
| <b>Centre</b>       | : Peshawar Medical Center LLC | <b>Reported</b>   | : 07/06/2024 22:53 |

### HEMATOLOGY

| Test                                       | Result | Flag | Unit                | Reference Range | Methodology                       |
|--------------------------------------------|--------|------|---------------------|-----------------|-----------------------------------|
| <b>COMPLETE BLOOD COUNT (CBC)</b>          |        |      |                     |                 |                                   |
| HEMOGLOBIN                                 | 15.8   |      | g/dL                | 13.5 - 17.5     | Spectrophotometry (Oxyhemoglobin) |
| RBC COUNT                                  | 5.7    |      | 10 <sup>6</sup> /μL | 4.3 - 5.7       | Electrical Impedance              |
| HEMATOCRIT                                 | 47.5   |      | %                   | 38 - 50         | Calculation                       |
| MCV                                        | 83.8   |      | fL                  | 82 - 98         | Calculation                       |
| MCH                                        | 27.8   |      | pg                  | 27 - 32         | Calculation                       |
| MCHC                                       | 33.2   |      | g/dL                | 32 - 37         | Calculation                       |
| RDW                                        | 13.9   |      | %                   | 11.8 - 15.6     | Calculation                       |
| RDW-SD                                     | 40.7   |      | fL                  |                 | Calculation                       |
| MPV                                        | 9.9    |      | fL                  | 7.6 - 10.8      | Calculation                       |
| PLATELET COUNT                             | 136    | L    | 10 <sup>3</sup> /uL | 150 - 450       | Electrical Impedance              |
| PCT                                        | 0.1    |      | %                   | 0.01 - 9.99     | Calculation                       |
| PDW                                        | 17.1   |      | Not Applicable      | 0.1 - 99.9      | Calculation                       |
| NUCLEATED RBC (NRBC) <sup>^</sup>          | 0.3    |      | /100 WBC            |                 | Flow Cytometry                    |
| ABSOLUTE NRBC COUNT <sup>^</sup>           | 0.01   |      | 10 <sup>3</sup> /uL |                 | Calculation                       |
| EARLY GRANULOCYTE COUNT (EGC) <sup>^</sup> | 0.5    |      | %                   |                 | Flow Cytometry                    |
| ABSOLUTE EGC <sup>^</sup>                  | 0.0    |      | 10 <sup>3</sup> /uL |                 | Calculation                       |
| WBC COUNT                                  | 5.1    |      | 10 <sup>3</sup> /μL | 4 - 11          | Electrical Impedance              |
| <b>DIFFERENTIAL COUNT (DC)</b>             |        |      |                     |                 |                                   |
| NEUTROPHILS                                | 74     |      | %                   | 40 - 75         | Flow Cytometry                    |
| LYMPHOCYTES                                | 19     | L    | %                   | 20 - 45         | Flow Cytometry                    |
| EOSINOPHILS                                | 1      |      | %                   | 0 - 6           | Flow Cytometry                    |
| MONOCYTES                                  | 6      |      | %                   | 1 - 6           | Flow Cytometry                    |
| BASOPHILS                                  | 0      |      | %                   | 0 - 1           | Flow Cytometry                    |
| <b>ABSOLUTE COUNT</b>                      |        |      |                     |                 |                                   |
| ABSOLUTE NEUTROPHIL COUNT                  | 3.1    |      | 10 <sup>3</sup> /uL | 1.6 - 8.25      | Calculation                       |
| ABSOLUTE LYMPHOCYTE COUNT                  | 1.0    |      | 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                  | 0.1    |      | 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



**Reena Babu**  
Laboratory Technologist

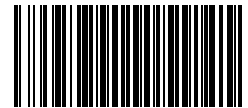
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Test result pertains only to the sample tested and to be interpreted in the light of clinical history. These tests are accredited under ISO 15189:2012 unless specified by (^). Test marked with # is performed in an accredited referral laboratory.





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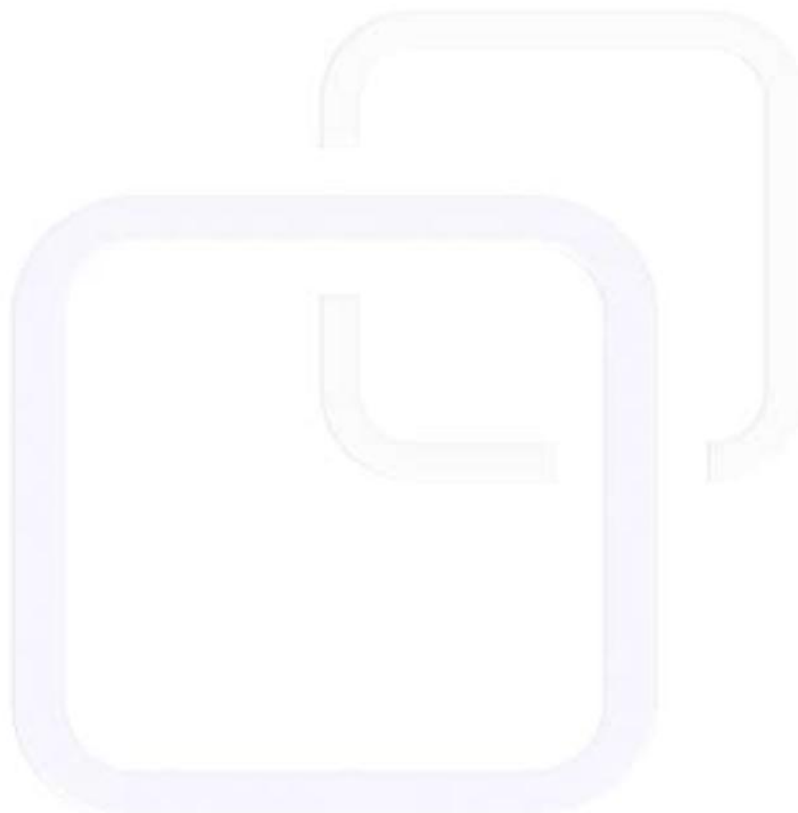
#### COMPLETE BLOOD COUNT (CBC)

**Comments** : Please correlate clinically.

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

Sample Type : EDTA Whole Blood

End of Report



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