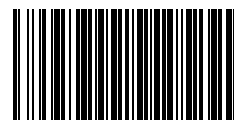


## Laboratory Investigation Report



BML304350

**Name** : Miss. AINURA SULTANALIEVA  
**DOB** : 17/06/1988  
**Age / Gender** : 35 Y / Female  
**Referred by** : Dr. Enomen Goodluck Ekata  
**Centre** : Peshawar Medical Center LLC

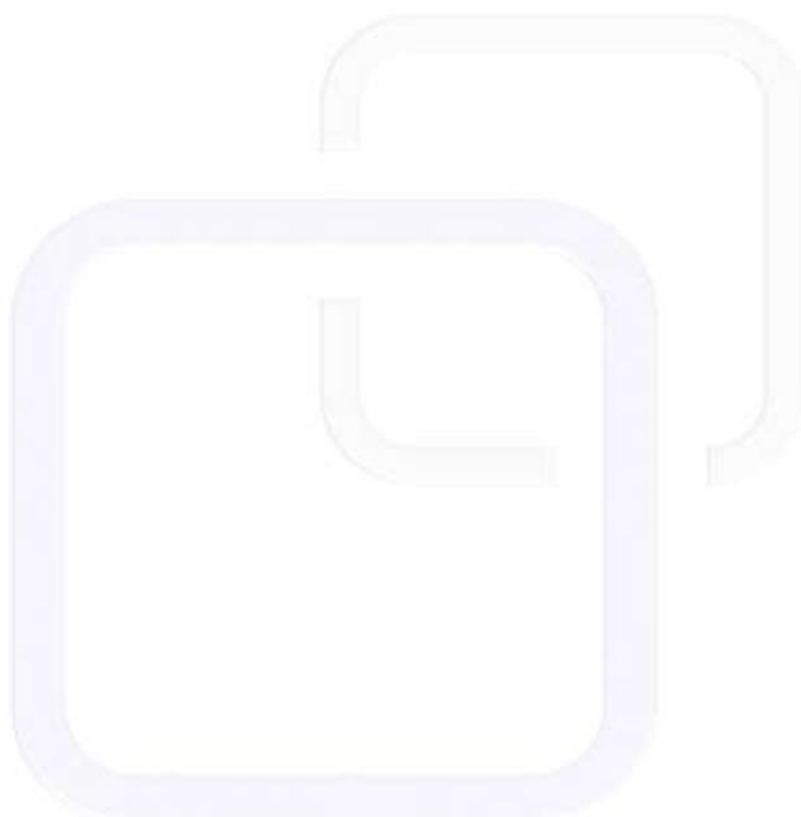
**Ref No.** : 37723  
**Sample No.** : 2311308281  
**Collected** : 14/11/2023 11:30  
**Registered** : 15/11/2023 18:08  
**Reported** : 15/11/2023 20:56

### BIOCHEMISTRY

| Test                     | Result | Flag | Unit | Reference Range                                 | Methodology        |
|--------------------------|--------|------|------|-------------------------------------------------|--------------------|
| C-REACTIVE PROTEIN (CRP) | 2.0    |      | mg/L | < 5.0<br>Please note change in reference range. | Immunoturbidimetry |

Sample Type : Serum

End of Report



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

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

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Page 1 of 4



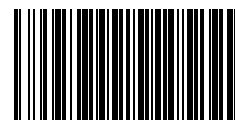
**MOHAMMED RASHID CHENANGADATH**  
Laboratory Technologist

Printed on: 16/11/2023 11:35

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## Laboratory Investigation Report



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**Ref No.** : 37723  
**Sample No.** : 2311308281  
**Collected** : 14/11/2023 11:30  
**Registered** : 15/11/2023 18:08  
**Reported** : 15/11/2023 19:37

### HEMATOLOGY

| Test                                       | Result | Flag | Unit                | Reference Range | Methodology                       |
|--------------------------------------------|--------|------|---------------------|-----------------|-----------------------------------|
| <b>COMPLETE BLOOD COUNT (CBC)</b>          |        |      |                     |                 |                                   |
| HEMOGLOBIN                                 | 11.9   | L    | g/dL                | 12 - 15.5       | Spectrophotometry (Oxyhemoglobin) |
| RBC COUNT                                  | 4.4    |      | 10 <sup>6</sup> /μL | 3.9 - 5         | Electrical Impedance              |
| HEMATOCRIT                                 | 35.8   |      | %                   | 35 - 45         | Calculation                       |
| MCV                                        | 82.1   |      | fL                  | 82 - 98         | Calculation                       |
| MCH                                        | 27.4   |      | pg                  | 27 - 32         | Calculation                       |
| MCHC                                       | 33.3   |      | g/dL                | 32 - 37         | Calculation                       |
| RDW                                        | 14.8   |      | %                   | 11.9 - 15.5     | Calculation                       |
| RDW-SD                                     | 42.9   |      | fL                  |                 | Calculation                       |
| MPV                                        | 9.4    |      | fL                  | 7.6 - 10.8      | Calculation                       |
| PLATELET COUNT                             | 229    |      | 10 <sup>3</sup> /μL | 150 - 450       | Electrical Impedance              |
| PCT                                        | 0.2    |      | %                   | 0.01 - 9.99     | Calculation                       |
| PDW                                        | 16.3   |      | Not Applicable      | 0.1 - 99.9      | Calculation                       |
| NUCLEATED RBC (NRBC) <sup>^</sup>          | 0.8    |      | /100 WBC            |                 | Flow Cytometry                    |
| ABSOLUTE NRBC COUNT <sup>^</sup>           | 0.04   |      | 10 <sup>3</sup> /uL |                 | Calculation                       |
| EARLY GRANULOCYTE COUNT (EGC) <sup>^</sup> | 0.0    |      | %                   |                 | Flow Cytometry                    |
| ABSOLUTE EGC <sup>^</sup>                  | 0.0    |      | 10 <sup>3</sup> /uL |                 | Calculation                       |
| WBC COUNT                                  | 5.2    |      | 10 <sup>3</sup> /μL | 4 - 11          | Electrical Impedance              |
| <b>DIFFERENTIAL COUNT (DC)</b>             |        |      |                     |                 |                                   |
| NEUTROPHILS                                | 42     |      | %                   | 40 - 75         | Flow Cytometry                    |
| LYMPHOCYTES                                | 44     |      | %                   | 30 - 60         | Flow Cytometry                    |
| EOSINOPHILS                                | 7      | H    | %                   | 0 - 6           | Flow Cytometry                    |
| MONOCYTES                                  | 6      |      | %                   | 1 - 6           | Flow Cytometry                    |
| BASOPHILS                                  | 1      |      | %                   | 0 - 1           | Flow Cytometry                    |
| <b>ABSOLUTE COUNT</b>                      |        |      |                     |                 |                                   |
| ABSOLUTE NEUTROPHIL COUNT                  | 1.6    |      | 10 <sup>3</sup> /uL | 1.6 - 8.25      | Calculation                       |
| ABSOLUTE LYMPHOCYTE COUNT                  | 2.3    |      | 10 <sup>3</sup> /uL | 1.2 - 6.6       | Calculation                       |
| ABSOLUTE MONOCYTE COUNT                    | 0.6    |      | 10 <sup>3</sup> /uL | 0.04 - 0.66     | Calculation                       |
| ABSOLUTE EOSINOPHIL COUNT                  | 0.7    | H    | 10 <sup>3</sup> /uL | 0 - 0.66        | Calculation                       |
| ABSOLUTE BASOPHIL COUNT                    | 0.1    |      | 10 <sup>3</sup> /uL | 0 - 0.11        | Calculation                       |

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Page 2 of 4

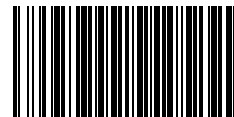


**MIDHUN MANIKANDAN GEETHA**  
Laboratory Technologist

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## Laboratory Investigation Report

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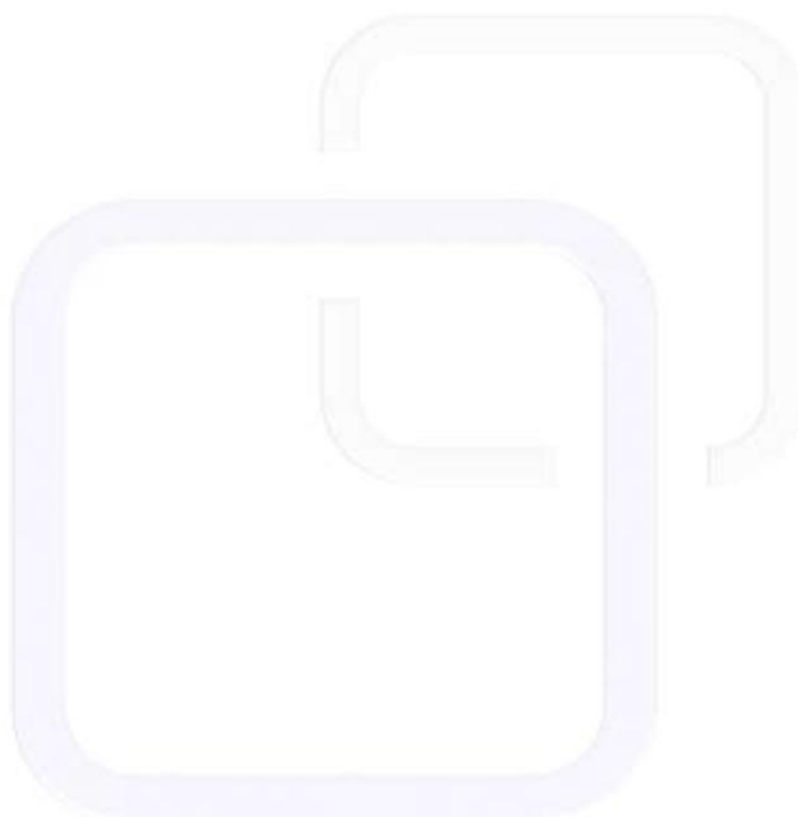
**Ref No.** : 37723  
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**Reported** : 15/11/2023 19:37

### 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.



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**Laboratory Technologist**

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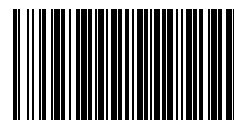
Page 3 of 4

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## Laboratory Investigation Report



BML304350

|                     |                               |                   |                    |
|---------------------|-------------------------------|-------------------|--------------------|
| <b>Name</b>         | : Miss. AINURA SULTANALIEVA   | <b>Ref No.</b>    | : 37723            |
| <b>DOB</b>          | : 17/06/1988                  | <b>Sample No.</b> | : 2311308281       |
| <b>Age / Gender</b> | : 35 Y / Female               | <b>Collected</b>  | : 14/11/2023 11:30 |
| <b>Referred by</b>  | : Dr. Enomen Goodluck Ekata   | <b>Registered</b> | : 15/11/2023 18:08 |
| <b>Centre</b>       | : Peshawar Medical Center LLC | <b>Reported</b>   | : 16/11/2023 00:50 |

### HAEMATOLOGY

| Test                                 | Result | Flag | Unit  | Reference Range                                              | Methodology |
|--------------------------------------|--------|------|-------|--------------------------------------------------------------|-------------|
| ERYTHROCYTE SEDIMENTATION RATE (ESR) | 14     |      | mm/hr | < 20<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

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