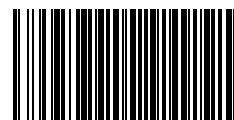


## Laboratory Investigation Report



BML321638

**Name** : Miss. VISHAKHA YOGESH DHILLOD  
**DOB** : 08/07/2002  
**Age / Gender** : 21 Y / Female  
**Referred by** : Dr. Enomen Goodluck Ekata  
**Centre** : Peshawar Medical Center LLC

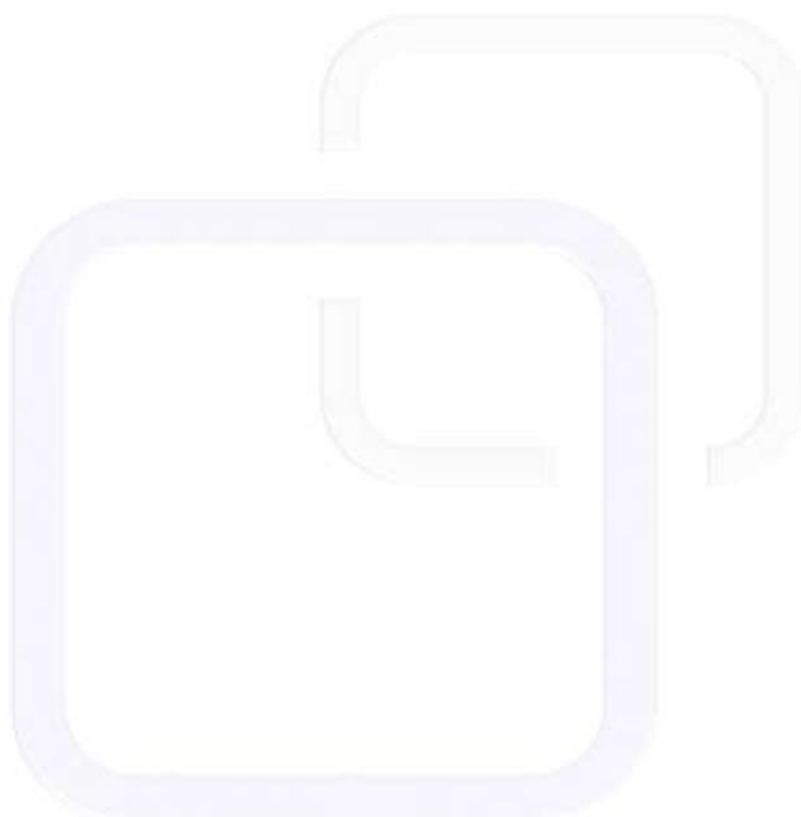
**Ref No.** : 41868  
**Sample No.** : 2312326113  
**Collected** : 16/12/2023 10:00  
**Registered** : 16/12/2023 14:10  
**Reported** : 16/12/2023 18:50

### BIOCHEMISTRY

| Test                     | Result | Flag | Unit | Reference Range                                 | Methodology        |
|--------------------------|--------|------|------|-------------------------------------------------|--------------------|
| C-REACTIVE PROTEIN (CRP) | 10.8   | H    | 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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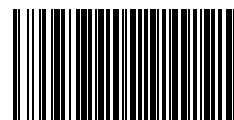
Page 1 of 6

**HARSHAD MANIKANDAN**  
Laboratory Technician  
Printed on: 16/12/2023 21:03

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## Laboratory Investigation Report



BML321638

|                     |                                 |                   |                    |
|---------------------|---------------------------------|-------------------|--------------------|
| <b>Name</b>         | : Miss. VISHAKHA YOGESH DHILLOD | <b>Ref No.</b>    | : 41868            |
| <b>DOB</b>          | : 08/07/2002                    | <b>Sample No.</b> | : 2312326113       |
| <b>Age / Gender</b> | : 21 Y / Female                 | <b>Collected</b>  | : 16/12/2023 10:00 |
| <b>Referred by</b>  | : Dr. Enomen Goodluck Ekata     | <b>Registered</b> | : 16/12/2023 14:10 |
| <b>Centre</b>       | : Peshawar Medical Center LLC   | <b>Reported</b>   | : 16/12/2023 17:01 |

### CLINICAL PATHOLOGY

| Test                             | Result         | Flag     | Unit    | Reference Range     | Methodology                   |
|----------------------------------|----------------|----------|---------|---------------------|-------------------------------|
| <b>URINE ANALYSIS ( ROUTINE)</b> |                |          |         |                     |                               |
| <b>MACROSCOPIC EXAMINATION</b>   |                |          |         |                     |                               |
| COLOR                            | DARK YELLOW    |          |         | Pale to Dark Yellow | Visual                        |
| APPEARANCE                       | <b>TURBID</b>  |          |         | -                   | Visual                        |
| <b>CHEMISTRY EXAMINATION</b>     |                |          |         |                     |                               |
| SPECIFIC GRAVITY                 | >=1.030        |          |         | 1.002 - 1.035       | Bromothymol blue              |
| PH                               | 6.0            |          |         | 4.5 - 8.0           | Litmus paper                  |
| GLUCOSE                          | NEGATIVE       |          |         | Negative            | GOD / POD                     |
| BLOOD                            | NEGATIVE       |          |         | Negative            | Peroxidase                    |
| PROTEIN                          | <b>TRACE</b>   |          |         | Negative            | Protein error of pH indicator |
| LEUCOCYTE ESTERASE               | NEGATIVE       |          |         | Negative            | Esterase                      |
| UROBILINOGEN                     | 1.0            |          | E.U./dL | 0.2 - 1.0           | Diazo                         |
| BILIRUBIN                        | NEGATIVE       |          |         | Negative            | Diazo                         |
| KETONE                           | <b>++</b>      |          |         | Negative            | Legal's test                  |
| NITRITE                          | NEGATIVE       |          |         | Negative            | Griess test                   |
| <b>MICROSCOPIC EXAMINATION</b>   |                |          |         |                     |                               |
| LEUCOCYTES                       | 2 - 4          |          | /HPF    | 1 - 4               | Microscopy                    |
| ERYTHROCYTES                     | 0 - 2          |          | /HPF    | 0 - 2               | Microscopy                    |
| EPITHELIAL CELLS                 | 0 - 2          |          | /HPF    | Variable            | Microscopy                    |
| BACTERIA                         | ABSENT         |          | /HPF    | Absent              | Microscopy                    |
| CASTS                            | ABSENT         |          | /HPF    | Absent              | Microscopy                    |
| CRYSTALS                         | <b>PRESENT</b> |          | /HPF    | Absent              | Microscopy                    |
| CALCIUM OXALATE                  | <b>+</b>       | <b>H</b> | /HPF    | Absent              | Microscopy                    |
| AMORPHOUS URATES                 | +++            |          | /HPF    | -                   | Microscopy                    |
| OVA                              | ABSENT         |          | /HPF    | Absent              | Microscopy and Micrometry     |

**Comments** : Please correlate clinically.

**Interpretation Notes :**

Instrumentation used for Chemistry test: Siemens Clinitek Advantus.

Sample Type : **URINE**

End of Report

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

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

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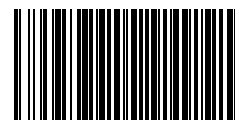
Page 2 of 6

  
**YAZEEDAH ABDUL MUNEER**  
Medical Microbiology Technologist  
Printed on: 16/12/2023 21:03

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## Laboratory Investigation Report



BML321638

**Name** : Miss. VISHAKHA YOGESH DHILLOD  
**DOB** : 08/07/2002  
**Age / Gender** : 21 Y / Female  
**Referred by** : Dr. Enomen Goodluck Ekata  
**Centre** : Peshawar Medical Center LLC

**Ref No.** : 41868  
**Sample No.** : 2312326113  
**Collected** : 16/12/2023 10:00  
**Registered** : 16/12/2023 14:10  
**Reported** : 16/12/2023 18:25

### HEMATOLOGY

| Test                                       | Result | Flag | Unit                | Reference Range | Methodology                       |
|--------------------------------------------|--------|------|---------------------|-----------------|-----------------------------------|
| <b>COMPLETE BLOOD COUNT (CBC)</b>          |        |      |                     |                 |                                   |
| HEMOGLOBIN                                 | 13.1   |      | g/dL                | 12 - 15.5       | Spectrophotometry (Oxyhemoglobin) |
| RBC COUNT                                  | 5.2    | H    | 10 <sup>6</sup> /μL | 3.9 - 5         | Electrical Impedance              |
| HEMATOCRIT                                 | 40.3   |      | %                   | 35 - 45         | Calculation                       |
| MCV                                        | 77.6   | L    | fL                  | 82 - 98         | Calculation                       |
| MCH                                        | 25.2   | L    | pg                  | 27 - 32         | Calculation                       |
| MCHC                                       | 32.5   |      | g/dL                | 32 - 37         | Calculation                       |
| RDW                                        | 14     |      | %                   | 11.9 - 15.5     | Calculation                       |
| RDW-SD                                     | 38.1   |      | fL                  |                 | Calculation                       |
| MPV                                        | 9.7    |      | fL                  | 7.6 - 10.8      | Calculation                       |
| PLATELET COUNT                             | 254    |      | 10 <sup>3</sup> /μL | 150 - 450       | Electrical Impedance              |
| PCT                                        | 0.2    |      | %                   | 0.01 - 9.99     | Calculation                       |
| PDW                                        | 16.8   |      | Not Applicable      | 0.1 - 99.9      | Calculation                       |
| NUCLEATED RBC (NRBC) <sup>^</sup>          | 0.2    |      | /100 WBC            |                 | Flow Cytometry                    |
| ABSOLUTE NRBC COUNT <sup>^</sup>           | 0.02   |      | 10 <sup>3</sup> /uL |                 | Calculation                       |
| EARLY GRANULOCYTE COUNT (EGC) <sup>^</sup> | 0.2    |      | %                   |                 | Flow Cytometry                    |
| ABSOLUTE EGC <sup>^</sup>                  | 0      |      | 10 <sup>3</sup> /uL |                 | Calculation                       |
| WBC COUNT                                  | 9.8    |      | 10 <sup>3</sup> /μL | 4 - 11          | Electrical Impedance              |
| <b>DIFFERENTIAL COUNT (DC)</b>             |        |      |                     |                 |                                   |
| NEUTROPHILS                                | 64     |      | %                   | 40 - 75         | Flow Cytometry                    |
| LYMPHOCYTES                                | 32     |      | %                   | 30 - 60         | Flow Cytometry                    |
| EOSINOPHILS                                | 0      |      | %                   | 0 - 6           | Flow Cytometry                    |
| MONOCYTES                                  | 4      |      | %                   | 1 - 6           | Flow Cytometry                    |
| BASOPHILS                                  | 0      |      | %                   | 0 - 1           | Flow Cytometry                    |
| <b>ABSOLUTE COUNT</b>                      |        |      |                     |                 |                                   |
| ABSOLUTE NEUTROPHIL COUNT                  | 6.3    |      | 10 <sup>3</sup> /uL | 1.6 - 8.25      | Calculation                       |
| ABSOLUTE LYMPHOCYTE COUNT                  | 2.4    |      | 10 <sup>3</sup> /uL | 1.2 - 6.6       | Calculation                       |
| ABSOLUTE MONOCYTE COUNT                    | 0.4    |      | 10 <sup>3</sup> /uL | 0.04 - 0.66     | Calculation                       |
| ABSOLUTE EOSINOPHIL COUNT                  | 0      |      | 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

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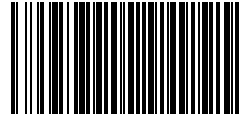
*Haleem*

**HALEEM HAKKIM**  
Laboratory Technician

Printed on: 16/12/2023 21:03

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## Laboratory Investigation Report

BML321638

**Name** : Miss. VISHAKHA YOGESH DHILLOD  
**DOB** : 08/07/2002  
**Age / Gender** : 21 Y / Female  
**Referred by** : Dr. Enomen Goodluck Ekata  
**Centre** : Peshawar Medical Center LLC

**Ref No.** : 41868  
**Sample No.** : 2312326113  
**Collected** : 16/12/2023 10:00  
**Registered** : 16/12/2023 14:10  
**Reported** : 16/12/2023 18:25

### HEMATOLOGY

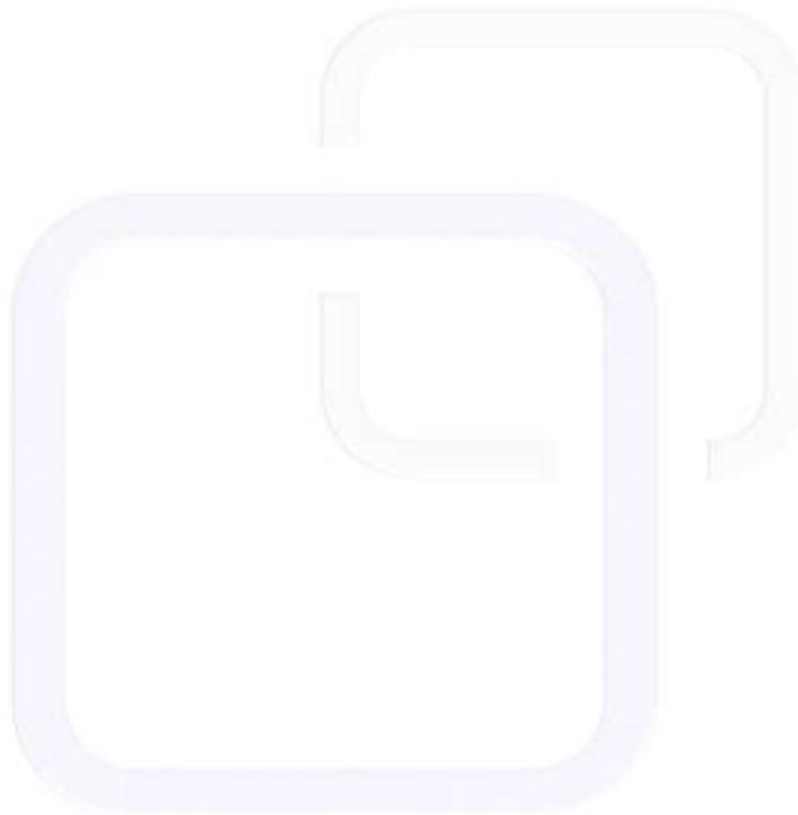
| Test | Result | Flag | Unit | Reference Range | Methodology |
|------|--------|------|------|-----------------|-------------|
|------|--------|------|------|-----------------|-------------|

#### COMPLETE BLOOD COUNT (CBC)

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

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**

*Haleem*

**HALEEM HAKKIM**  
Laboratory Technician

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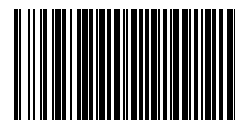
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## Laboratory Investigation Report



BML321638

|                     |                                 |                   |                    |
|---------------------|---------------------------------|-------------------|--------------------|
| <b>Name</b>         | : Miss. VISHAKHA YOGESH DHILLOD | <b>Ref No.</b>    | : 41868            |
| <b>DOB</b>          | : 08/07/2002                    | <b>Sample No.</b> | : 2312326113       |
| <b>Age / Gender</b> | : 21 Y / Female                 | <b>Collected</b>  | : 16/12/2023 10:00 |
| <b>Referred by</b>  | : Dr. Enomen Goodluck Ekata     | <b>Registered</b> | : 16/12/2023 14:10 |
| <b>Centre</b>       | : Peshawar Medical Center LLC   | <b>Reported</b>   | : 16/12/2023 19:45 |

### ENDOCRINOLOGY

| Test     | Result   | Flag | Unit   | Reference Range                                           | Methodology |
|----------|----------|------|--------|-----------------------------------------------------------|-------------|
| BETA HCG |          |      |        |                                                           |             |
| BETA HCG | 138152.4 |      | mIU/mL | Refer to Interpretation.<br>Please note change in method. | CLIA        |

#### Interpretation Notes :

Non-Pregnant: < or = 5.0

Post-Menopausal: < or = 7.0

#### Reference Range According to Weeks of gestation

| Gestational Week | Reference Range |
|------------------|-----------------|
| 3 weeks          | 5.8 - 71.2      |
| 4 weeks          | 9.5 - 750       |
| 5 weeks          | 217 - 7138      |
| 6 weeks          | 158 - 31795     |
| 7 weeks          | 3697 - 163563   |
| 8 weeks          | 32065 - 149571  |
| 9 weeks          | 63803 - 151410  |
| 10 weeks         | 46509 - 186977  |
| 12 weeks         | 27832 - 210612  |
| 14 weeks         | 13950 - 62530   |
| 15 weeks         | 12039 - 70791   |
| 16 - 29 weeks    | 1400 - 53000    |
| 29 - 41 weeks    | 940 - 6000      |

High levels may be indicative of a number of conflicting situations, including everything from a normal pregnancy to ovarian cancer to choriocarcinoma of the uterus or hydatidiform mole of the uterus. Low levels may be indicative of a dead fetus, incomplete miscarriage, or threatened spontaneous abortion.

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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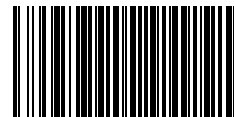
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**HARSHAD MANIKANDAN**  
Laboratory Technician

Printed on: 16/12/2023 21:03

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## Laboratory Investigation Report

BML321638

**Name** : Miss. VISHAKHA YOGESH DHILLOD  
**DOB** : 08/07/2002  
**Age / Gender** : 21 Y / Female  
**Referred by** : Dr. Enomen Goodluck Ekata  
**Centre** : Peshawar Medical Center LLC

**Ref No.** : 41868  
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**Collected** : 16/12/2023 10:00  
**Registered** : 16/12/2023 14:10  
**Reported** : 16/12/2023 20:48

### HAEMATOLOGY

| Test                                 | Result    | Flag     | Unit  | Reference Range                                           | Methodology |
|--------------------------------------|-----------|----------|-------|-----------------------------------------------------------|-------------|
| ERYTHROCYTE SEDIMENTATION RATE (ESR) | <b>23</b> | <b>H</b> | mm/hr | < 20<br>Please note change in 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**

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Page 6 of 6

*Haleem*

**HALEEM HAKKIM**  
Laboratory Technician

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