

## LABORATORY REPORT

|              |                                             |                 |                                  |
|--------------|---------------------------------------------|-----------------|----------------------------------|
| Name         | : MARY WAMAITHA KARANJA                     | File. No.       | : AAL02-326960                   |
| DOB/Gender   | : 07-06-1999 (24 Yrs 1 Month 3 Days/Female) | Referral Doctor | : Dr. Sumaiya Galib              |
| Lab No.      | : 22231910150                               | Referral Clinic | : Peshawar(Irham Medical Center) |
| Request Date | : 10-07-2023 13:21                          | Clinic File No  | : 39505                          |
| Insurance    | : No                                        |                 |                                  |

## HAEMATOLOGY & COAGULATION

| Test Name                                                  | Result            | Units               | Ref. Range   | Method                               |
|------------------------------------------------------------|-------------------|---------------------|--------------|--------------------------------------|
| <b><u>COMPLETE BLOOD COUNT (CBC) WITH DIFFERENTIAL</u></b> |                   |                     |              |                                      |
| RBC                                                        | 4.92 <sup>H</sup> | 10 <sup>12</sup> /L | 3.80 - 4.80  | Hydrodynamic focusing (DC Detection) |
| Haemoglobin                                                | 14.1              | g/dl                | 12.0 - 15.0  | Photometry-SLS                       |
| HCT                                                        | 43.6              | %                   | 36.0 - 46.0  | Hydrodynamic focusing                |
| MCV                                                        | 88.6              | fl                  | 83.0 - 101.0 | Calculation                          |
| MCH                                                        | 28.7              | pg                  | 27-32        | Calculation                          |
| MCHC                                                       | 32.3              | g/dL                | 31.5 - 34.5  | Calculation                          |
| Platelet Count                                             | 459 <sup>H</sup>  | 10 <sup>3</sup> /uL | 150-400      | Hydrodynamic Focusing(DCD)           |
| WBC                                                        | 5.53              | 10 <sup>3</sup> /uL | 4.00 - 10.00 | Flow Cytometry                       |
| <b><u>DIFFERENTIAL COUNT (%)</u></b>                       |                   |                     |              |                                      |
| Neutrophils                                                | 47.0              | %                   | 40.0 - 80.0  | Flow Cytometry                       |
| Lymphocytes                                                | 41.4 <sup>H</sup> | %                   | 20.0 - 40.0  | Flow Cytometry                       |
| Monocytes                                                  | 7.4               | %                   | 2-10         | Flow Cytometry                       |
| Eosinophils                                                | 3.1               | %                   | 1 - 6        | Flow Cytometry                       |
| Basophils                                                  | 1.1               | %                   | <1-2         | Flow Cytometry                       |
| Band Forms                                                 | 0.0               | %                   | < 6          | Flow Cytometry                       |
| <b><u>DIFFERENTIAL COUNT (ABSOLUTE)</u></b>                |                   |                     |              |                                      |
| Neutrophils (Absolute)                                     | 2.60              | 10 <sup>3</sup> /uL | 2.00 - 7.00  | Calculation                          |
| Lymphocytes (Absolute)                                     | 2.29              | 10 <sup>3</sup> /uL | 1.00 - 3.00  | Calculation                          |
| Monocytes (Absolute)                                       | 0.41              | 10 <sup>3</sup> /uL | 0.20 - 1.00  | Calculation                          |
| Eosinophils (Absolute)                                     | 0.17              | 10 <sup>3</sup> /uL | 0.02 - 0.50  | Calculation                          |
| Basophils (Absolute)                                       | 0.06              | 10 <sup>3</sup> /uL | 0.02 - 0.10  | Calculation                          |
| Band Forms (Absolute)                                      | 0.00              | 10 <sup>3</sup> /uL | < 0.66       | Calculation                          |

Remarks:

Test result to be interpreted in the light of clinical history and to be investigated further if necessary.

These tests are accredited under ISO 15189:2012 unless specified by (\*)

Sample processed on the same day of receipt unless specified otherwise.

Test results pertains only the sample tested and to be correlated with clinical history.

Reference range related to Age/Gender.

**Dr. Solmaz Siddiqui**  
Laboratory Director  
DHA/LS/248469

H/L Collected On : 10-07-2023 09:00:00  
Authenticated On : 10-07-2023 15:55:03  
Printed On : 10-07-2023 16:14:39

Received On : 10-07-2023 13:22:00  
Released On : 10-07-2023 16:04:43  
Reprinted On : 10-07-2023 16:44:55

**Padmapriya Kumaresan**  
Sr. Technician  
DHA/LS2992011/243822



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| Insurance    | : No                                        |                 |                                  |

| Test Name | Result | Units | Ref. Range | Method |
|-----------|--------|-------|------------|--------|
|-----------|--------|-------|------------|--------|

Sample Type : EDTA WB

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### CLINICAL BIOCHEMISTRY

| Test Name                 | Result | Units | Ref. Range  | Method              |
|---------------------------|--------|-------|-------------|---------------------|
| CRP - quant (serum)       | 0.34   | mg/L  | < 5.0       | Immunoturbidimetric |
| Bilirubin - Total (serum) | 0.52   | mg/dL | 0.20 - 1.20 | Diazo Reaction      |

Sample Type : Serum

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**MICROBIOLOGY/BACTERIOLOGY/BODY FLUIDS**

| Test Name                                | Result            | Units | Ref. Range       | Method                          |
|------------------------------------------|-------------------|-------|------------------|---------------------------------|
| <b><u>URINE ROUTINE (URINALYSIS)</u></b> |                   |       |                  |                                 |
| <b><u>PHYSICAL EXAMINATION</u></b>       |                   |       |                  |                                 |
| Color                                    | Light Yellow      |       | Yellow           | Light Scatter                   |
| Appearance                               | Cloudy            |       | Clear            | Light Scatter                   |
| Specific Gravity                         | 1.023             |       | 1.005 - 1.030    | Refractrometry                  |
| PH                                       | 8.50 <sup>H</sup> |       | 4.6 - 8.0        | pH.I/Reflectance                |
| Glucose                                  | Negative          |       | Negative         | Enz.Rn/Reflect                  |
| Ketone                                   | Negative          |       | Negative         | Legal's method                  |
| Protein                                  | +                 |       | Negative         | Dye Binding                     |
| Blood                                    | Negative          |       | Negative         | Peroxidase Activity/Reflectance |
| Bilirubin                                | Negative          |       | Negative         | Acidified Diazo Coupling        |
| Urobilinogen                             | Normal            | mg/dL | Normal 0.2 - 1.0 | Buffered Diazo Coupling         |
| Nitrite                                  | Negative          |       | Negative         | Mod. Gries Rn                   |
| Leukocytes.                              | Trace             |       | Negative         | Enz.Rn/Reflect                  |
| <b><u>MICROSCOPIC EXAMINATION</u></b>    |                   |       |                  |                                 |
| Pus Cells                                | 6 - 8             | /HPF  | 1 - 4            | F.D.I/Microscopy                |
| RBC's                                    | 0 - 1             | /HPF  | 0 - 2            | F.D.I/Microscopy                |
| Epithelial cells                         | 30 - 35           | /HPF  | 1 - 4            | F.D.I/Microscopy                |
| Bacteria                                 | Absent            | /HPF  | Absent           | F.D.I/Microscopy                |
| Yeast cells                              | Absent            | /HPF  | Absent           | F.D.I/Microscopy                |
| Trichomonas Vaginalis                    | Absent            | /HPF  | Absent           | F.D.I/Microscopy                |
| Mucus Threads                            | +                 | /HPF  | Absent           | F.D.I/Microscopy                |
| Amorphous Phosphate                      | +                 | /HPF  | Absent           | F.D.I/Microscopy                |
| Casts                                    | Absent            | /LPF  | Absent           | F.D.I/Microscopy                |

Bilirubin and Urobilinogen when exposed to sunlight leads to artificially low results, hence recommended to collect urine in dark container for analyzing Urine

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|-----------|--------|-------|------------|--------|
|-----------|--------|-------|------------|--------|

*Bilirubin and Urobilinogen if clinically indicated.*

*Kindly note the new methodology is effective from 31-10-2022.*

**Remarks:**

Test result to be interpreted in the light of clinical history and to be investigated further if necessary.

*Sample Type : Mid-stream Urine*

----- End Of Report -----

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*Pring*

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