

### LABORATORY REPORT

|              |                                            |                 |                                  |
|--------------|--------------------------------------------|-----------------|----------------------------------|
| Name         | : SIHAME KARIM                             | File. No.       | : AAL02-392287                   |
| DOB/Gender   | : 02-11-2000 (23 Yrs 7 Month 19 Days/Male) | Referral Doctor | : Dr. Enomen Goodluck Ekata      |
| Lab No.      | : 22241650117                              | Referral Clinic | : Peshawar(Irham Medical Center) |
| Request Date | : 13-06-2024 13:08:05                      | Clinic File No  | : 43056                          |
| Insurance    | : NATIONAL GENERAL INSURANCE (HEALTHNET)   |                 |                                  |

### HAEMATOLOGY & COAGULATION

| Test Name                                                  | Result            | Units               | Ref. Range   | Method                               |
|------------------------------------------------------------|-------------------|---------------------|--------------|--------------------------------------|
| <b><u>COMPLETE BLOOD COUNT (CBC) WITH DIFFERENTIAL</u></b> |                   |                     |              |                                      |
| RBC                                                        | 4.59              | 10 <sup>12</sup> /L | 4.50 - 5.50  | Hydrodynamic focusing (DC Detection) |
| Haemoglobin                                                | 11.4 <sup>L</sup> | g/dl                | 13.0 - 17.0  | Photometry-SLS                       |
| HCT                                                        | 36.0 <sup>L</sup> | %                   | 40.0 - 50.0  | Hydrodynamic focusing (HF)           |
| MCV                                                        | 78.4 <sup>L</sup> | fl                  | 83.0 - 101.0 | Calculation                          |
| MCH                                                        | 24.8 <sup>L</sup> | pg                  | 27-32        | Calculation                          |
| MCHC                                                       | 31.7              | g/dL                | 31.5 - 34.5  | Calculation                          |
| Platelet Count                                             | 297               | 10 <sup>3</sup> /uL | 150 - 400    | HF (DCD)                             |
| WBC                                                        | 7.67              | 10 <sup>3</sup> /uL | 4.00 - 10.00 | Flow Cytometry                       |
| <b><u>DIFFERENTIAL COUNT (%)</u></b>                       |                   |                     |              |                                      |
| Neutrophils                                                | 36.3 <sup>L</sup> | %                   | 40.0 - 80.0  | Flow Cytometry                       |
| Lymphocytes                                                | 52.8 <sup>H</sup> | %                   | 20.0 - 40.0  | Flow Cytometry                       |
| Monocytes                                                  | 9.5               | %                   | 2.0-10.0     | Flow Cytometry                       |
| Eosinophils                                                | 0.9 <sup>L</sup>  | %                   | 1 - 6        | Flow Cytometry                       |
| Basophils                                                  | 0.5               | %                   | <1-2         | Flow Cytometry                       |
| Band Forms                                                 | 0.0               | %                   | < 6          | Flow Cytometry                       |
| <b><u>DIFFERENTIAL COUNT (ABSOLUTE)</u></b>                |                   |                     |              |                                      |
| Neutrophils (Absolute)                                     | 2.78              | 10 <sup>3</sup> /uL | 2.00 - 7.00  | Calculation                          |
| Lymphocytes (Absolute)                                     | 4.05 <sup>H</sup> | 10 <sup>3</sup> /uL | 1.00 - 3.00  | Calculation                          |
| Monocytes (Absolute)                                       | 0.73              | 10 <sup>3</sup> /uL | 0.20 - 1.00  | Calculation                          |
| Eosinophils (Absolute)                                     | 0.07              | 10 <sup>3</sup> /uL | 0.02 - 0.50  | Calculation                          |
| Basophils (Absolute)                                       | 0.04              | 10 <sup>3</sup> /uL | 0.02 - 0.10  | Calculation                          |
| Band Forms (Absolute)                                      | 0.00              | 10 <sup>3</sup> /uL | < 0.66       | Calculation                          |

#### Remarks:

Recommended to do peripheral smear, iron studies and thalassemia screening. 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

Patient Sample Collected On : 13-06-2024 10:00:00  
Authenticated On : 13-06-2024 14:36:05

Received On : 13-06-2024 13:09:00  
Released On : 13-06-2024 14:59:22



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

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

Sample Type : EDTA WB

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### CLINICAL BIOCHEMISTRY

| Test Name                | Result | Units | Ref. Range             | Method                    |
|--------------------------|--------|-------|------------------------|---------------------------|
| C-Reactive Protein (CRP) | 1.36   | mg/L  | Negative < or = to 5.0 | Immunoturbidimetric Assay |

CRP is an acute phase protein whose concentration rises non -specifically in response to inflammation. CRP values should not be interpreted without a complete clinical evaluation. Follow-up testing of patients with elevated values is recommended in order to help rule out a recent response to undetected infection or tissue injury. Please note Reference Range Reviewed w.ef 15/10/23

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                                    | Yellow   |       | Yellow           | Light Scatter                   |
| Appearance                               | Cloudy   |       | Clear            | Light Scatter                   |
| Specific Gravity                         | 1.017    |       | 1.005 - 1.030    | Refractrometry                  |
| PH                                       | 8.00     |       | 4.6 - 8.0        | Litmus reaction                 |
| Glucose                                  | Negative |       | Negative         | Enz.Rn/Reflect                  |
| Ketone                                   | Negative |       | Negative         | Legal's method                  |
| Protein                                  | +        |       | Negative         | Dye Binding                     |
| Blood                                    | Trace    |       | 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.                              | +++      |       | Negative         | Enz.Rn/Reflect                  |
| <b><u>MICROSCOPIC EXAMINATION</u></b>    |          |       |                  |                                 |
| Pus Cells                                | 25 - 50  | /HPF  | 1 - 4            | F.D.I/Microscopy                |
| RBC's                                    | 4 - 6    | /HPF  | 0 - 2            | F.D.I/Microscopy                |
| Epithelial cells                         | 6 - 10   | /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                            | Few      | /HPF  | Absent           | F.D.I/Microscopy                |
| Crystals                                 | Absent   | /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

Bilirubin and Urobilinogen if clinically indicated.

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*Pring*

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

Kindly note that there are chances of false negative result for *Trichomonas vaginalis*, as *Trichomonas vaginalis* viability is temperature and time sensitive.

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

Sample Type : Urine

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

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