

**LABORATORY REPORT**

|              |                                            |                 |                                  |
|--------------|--------------------------------------------|-----------------|----------------------------------|
| Name         | : BILAL AHMED                              | File. No.       | : AAL02-318029                   |
| DOB/Gender   | : 01-07-1992 (30 Yrs 11 Month 9 Days/Male) | Referral Doctor | : Dr. Enomen Goodluck Ekata      |
| Lab No.      | : 22231600451                              | Referral Clinic | : Peshawar(Irham Medical Center) |
| Request Date | : 09-06-2023 21:14                         | Clinic File No  | : 28539                          |
| 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                                                | 14.3   | g/dl                | 13.0 - 17.0  | Photometry-SLS                       |
| HCT                                                        | 42.1   | %                   | 40.0 - 50.0  | Hydrodynamic focusing                |
| MCV                                                        | 91.7   | fl                  | 83.0 - 101.0 | Calculation                          |
| MCH                                                        | 31.2   | pg                  | 27-32        | Calculation                          |
| MCHC                                                       | 34.0   | g/dL                | 31.5 - 34.5  | Calculation                          |
| Platelet Count                                             | 372    | 10 <sup>3</sup> /uL | 150 - 400    | Hydrodynamic Focusing(DCD)           |
| WBC                                                        | 6.71   | 10 <sup>3</sup> /uL | 4.00 - 10.00 | Flow Cytometry                       |
| <b><u>DIFFERENTIAL COUNT (%)</u></b>                       |        |                     |              |                                      |
| Neutrophils                                                | 53.7   | %                   | 40.0 - 80.0  | Flow Cytometry                       |
| Lymphocytes                                                | 35.6   | %                   | 20.0 - 40.0  | Flow Cytometry                       |
| Monocytes                                                  | 7.6    | %                   | 2.0-10.0     | Flow Cytometry                       |
| Eosinophils                                                | 2.4    | %                   | 1 - 6        | Flow Cytometry                       |
| Basophils                                                  | 0.7    | %                   | <1-2         | Flow Cytometry                       |
| Band Forms                                                 | 0.0    | %                   | < 6          | Flow Cytometry                       |
| <b><u>DIFFERENTIAL COUNT (ABSOLUTE)</u></b>                |        |                     |              |                                      |
| Neutrophils (Absolute)                                     | 3.60   | 10 <sup>3</sup> /uL | 2.00 - 7.00  | Calculation                          |
| Lymphocytes (Absolute)                                     | 2.39   | 10 <sup>3</sup> /uL | 1.00 - 3.00  | Calculation                          |
| Monocytes (Absolute)                                       | 0.51   | 10 <sup>3</sup> /uL | 0.20 - 1.00  | Calculation                          |
| Eosinophils (Absolute)                                     | 0.16   | 10 <sup>3</sup> /uL | 0.02 - 0.50  | Calculation                          |
| Basophils (Absolute)                                       | 0.05   | 10 <sup>3</sup> /uL | 0.02 - 0.10  | Calculation                          |
| Band Forms (Absolute)                                      | 0.00   | 10 <sup>3</sup> /uL | < 0.66       | Calculation                          |

Sample Type : EDTA WB

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 : 09-06-2023 19:00:00  
Authenticated On : 09-06-2023 22:37:44  
Printed On : 09-06-2023 23:26:54

Received On : 09-06-2023 21:25:00  
Released On : 09-06-2023 22:43:01  
Reprinted On : 10-06-2023 14:07:33



**Esmeralda Obenita**  
Lab Incharge  
DHA/LS/2992011/ 241430

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## CLINICAL BIOCHEMISTRY

| Test Name    | Result | Units | Ref. Range                                                                     | Method             |
|--------------|--------|-------|--------------------------------------------------------------------------------|--------------------|
| Glucose(RBS) | 71.03  | mg/dL | Fasting: 70 - 100<br>1 hr post eating: 70 - 187<br>2 hrs post eating: 70 - 134 | Hexokinase/G-6-PDH |

### Remarks:

Glucose test done in serum sample as per client request, recommended to repeat with fluoride sample for the confirmation.

Sample Type : Fluoride Plasma

|                     |      |      |       |                     |
|---------------------|------|------|-------|---------------------|
| CRP - quant (serum) | 2.52 | mg/L | < 5.0 | Immunoturbidimetric |
|---------------------|------|------|-------|---------------------|

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                                    | Straw    |       | Yellow           | Light Scatter                   |
| Appearance                               | Clear    |       | Clear            | Light Scatter                   |
| Specific Gravity                         | 1.006    |       | 1.005 - 1.030    | Refractrometry                  |
| PH                                       | 7.00     |       | 4.6 - 8.0        | pH.I/Reflectance                |
| Glucose                                  | Negative |       | Negative         | Enz.Rn/Reflect                  |
| Ketone                                   | Negative |       | Negative         | Legal's method                  |
| Protein                                  | Negative |       | 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.                              | Negative |       | Negative         | Enz.Rn/Reflect                  |
| <b><u>MICROSCOPIC EXAMINATION</u></b>    |          |       |                  |                                 |
| Pus Cells                                | 0 - 1    | /HPF  | 1 - 4            | F.D.I/Microscopy                |
| RBC's                                    | 0 - 1    | /HPF  | 0 - 2            | F.D.I/Microscopy                |
| Epithelial cells                         | 0 - 1    | /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                            | Absent   | /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

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

*Bilirubin and Urobilinogen if clinically indicated.*

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

*Sample Type : Mid-stream Urine*

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

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