

## LABORATORY REPORT

|              |                                            |                 |                               |
|--------------|--------------------------------------------|-----------------|-------------------------------|
| Name         | : AHMED MOHAMED ABDEL AZIZ                 | File. No.       | : AAL02-441649                |
| DOB/Gender   | : 25-05-1999 (25 Yrs 9 Month 14 Days/Male) | Referral Doctor | : Dr. Amaizah Ishtiaq         |
| Lab No.      | : 22250700158                              | Referral Clinic | : Citicare Medical Center LLC |
| Request Date | : 11-03-2025 15:00:04                      | Clinic File No  | : 46081                       |
| Insurance    | : ALMADALLAH HEALTHCARE MANAGEMENT         |                 |                               |

## HAEMATOLOGY & COAGULATION

| Test Name                                                  | Result            | Units               | Ref. Range   | Method                               |
|------------------------------------------------------------|-------------------|---------------------|--------------|--------------------------------------|
| <b><u>COMPLETE BLOOD COUNT (CBC) WITH DIFFERENTIAL</u></b> |                   |                     |              |                                      |
| RBC                                                        | 5.23              | 10 <sup>12</sup> /L | 4.50 - 5.50  | Hydrodynamic focusing (DC Detection) |
| Haemoglobin                                                | 15.2              | g/dl                | 13.0 - 17.0  | Photometry-SLS                       |
| HCT                                                        | 44.1              | %                   | 40.0 - 50.0  | Hydrodynamic focusing (HF)           |
| MCV                                                        | 84.3              | fl                  | 83.0 - 101.0 | Calculation                          |
| MCH                                                        | 29.1              | pg                  | 27-32        | Calculation                          |
| MCHC                                                       | 34.5              | g/dL                | 31.5 - 34.5  | Calculation                          |
| Platelet Count                                             | 215               | 10 <sup>3</sup> /uL | 150 - 400    | HF (DCD)                             |
| WBC                                                        | 4.57              | 10 <sup>3</sup> /uL | 4.00 - 10.00 | Flow Cytometry                       |
| <b><u>DIFFERENTIAL COUNT (%)</u></b>                       |                   |                     |              |                                      |
| Neutrophils                                                | 39.3 <sup>L</sup> | %                   | 40.0 - 80.0  | Flow Cytometry                       |
| Lymphocytes                                                | 45.3 <sup>H</sup> | %                   | 20.0 - 40.0  | Flow Cytometry                       |
| Monocytes                                                  | 12.5 <sup>H</sup> | %                   | 2.0-10.0     | Flow Cytometry                       |
| Eosinophils                                                | 2.0               | %                   | 1 - 6        | Flow Cytometry                       |
| Basophils                                                  | 0.9               | %                   | <1-2         | Flow Cytometry                       |
| Band Forms                                                 | 0.0               | %                   | < 6          | Flow Cytometry                       |
| <b><u>DIFFERENTIAL COUNT (ABSOLUTE)</u></b>                |                   |                     |              |                                      |
| Neutrophils (Absolute)                                     | 1.80 <sup>L</sup> | 10 <sup>3</sup> /uL | 2.00 - 7.00  | Calculation                          |
| Lymphocytes (Absolute)                                     | 2.07              | 10 <sup>3</sup> /uL | 1.00 - 3.00  | Calculation                          |
| Monocytes (Absolute)                                       | 0.57              | 10 <sup>3</sup> /uL | 0.20 - 1.00  | Calculation                          |
| Eosinophils (Absolute)                                     | 0.09              | 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:

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

Sample Type : EDTA WB

These tests are accredited under ISO 15189:2022 unless specified by (\*)

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

Test results pertain 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 : 10-03-2025 17:00:00  
Authenticated On : 11-03-2025 17:30:56

Received On : 11-03-2025 15:01:00  
Released On : 11-03-2025 17:36:37

*Pring*

**Padmapriya Kumaresan**  
Sr. Technician  
DHA-P-2992011

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### CLINICAL BIOCHEMISTRY

| Test Name                       | Result                   | Units | Ref. Range             | Method                    |
|---------------------------------|--------------------------|-------|------------------------|---------------------------|
| <b>C-Reactive Protein (CRP)</b> | <b>21.90<sup>H</sup></b> | 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

#### Remarks:

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Sample Type : Serum

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**LIPID PROFILE I  
CLINICAL BIOCHEMISTRY**

| Test Name                                          | Result | Units | Ref. Range                                                                                                          | Method                                     |
|----------------------------------------------------|--------|-------|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| <b>Cholesterol</b>                                 | 131.00 | mg/dL | Desirable: < 200<br>Borderline: 200-239<br>High: ≥ 240                                                              | Enzymatic-<br>Cholesterol<br>esterase      |
| Please note Reference Range Reviewed w.ef 15/10/23 |        |       |                                                                                                                     |                                            |
| <b>Triglycerides</b>                               | 81.30  | mg/dL | NCEP Adult Treatment Panel<br>Normal: <150<br>Borderline: 150 - 199<br>High: 200-499<br>Very High: ≥ 500            | Enzymatic GPO                              |
| Please note Reference Range Reviewed w.ef 15/10/23 |        |       |                                                                                                                     |                                            |
| <b>HDL Cholesterol</b>                             | 42.00  | mg/dL | Major Risk: < 40                                                                                                    | Homogeneous<br>enzymatic-CHER<br>& CHOD    |
| Please note Reference Range Reviewed w.ef 15/10/23 |        |       |                                                                                                                     |                                            |
| <b>LDL Cholesterol</b>                             | 65.30  | mg/dL | Optimal: < 100<br>Near or above optimal: 100-129<br>Borderline High: 130 - 159<br>High: 160-189<br>Very High: ≥ 190 | Homo. Enz, Liq.<br>Selective<br>Surfactant |
| Please note Reference Range Reviewed w.ef 15/10/23 |        |       |                                                                                                                     |                                            |
| <b>*VLDL</b>                                       | 23.70  | mg/dL | 5.0 - 30.0                                                                                                          | Calculation                                |
| <b>*Cholesterol / HDL</b>                          | 3.12   | Ratio | Desirable: < 4.5<br>Borderline: 4.5 - 6<br>Undesirable: ≥ 6                                                         | Calculation                                |

Sample Type : Serum

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

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