

## LABORATORY REPORT

|              |                                             |                 |                                  |
|--------------|---------------------------------------------|-----------------|----------------------------------|
| Name         | : AHMAD MUSTAFA                             | File. No.       | : AAL02-329000                   |
| DOB/Gender   | : 29-08-1989 (33 Yrs 10 Month 18 Days/Male) | Referral Doctor | : Dr. Mohammadmahdi Ghodstehrani |
| Lab No.      | : 22231980194                               | Referral Clinic | : Peshawar(Irham Medical Center) |
| Request Date | : 17-07-2023 13:09                          | Clinic File No  | : 40515                          |
| Insurance    | : NEXTCARE                                  |                 |                                  |

## HAEMATOLOGY & COAGULATION

| Test Name                                                  | Result            | Units               | Ref. Range   | Method                               |
|------------------------------------------------------------|-------------------|---------------------|--------------|--------------------------------------|
| <b><u>COMPLETE BLOOD COUNT (CBC) WITH DIFFERENTIAL</u></b> |                   |                     |              |                                      |
| RBC                                                        | 5.30              | 10 <sup>12</sup> /L | 4.50 - 5.50  | Hydrodynamic focusing (DC Detection) |
| Haemoglobin                                                | 14.9              | g/dl                | 13.0 - 17.0  | Photometry-SLS                       |
| HCT                                                        | 44.2              | %                   | 40.0 - 50.0  | Hydrodynamic focusing                |
| MCV                                                        | 83.4              | fl                  | 83.0 - 101.0 | Calculation                          |
| MCH                                                        | 28.1              | pg                  | 27-32        | Calculation                          |
| MCHC                                                       | 33.7              | g/dL                | 31.5 - 34.5  | Calculation                          |
| Platelet Count                                             | 327               | 10 <sup>3</sup> /uL | 150 - 400    | Hydrodynamic Focusing(DCD)           |
| WBC                                                        | 7.16              | 10 <sup>3</sup> /uL | 4.00 - 10.00 | Flow Cytometry                       |
| <b><u>DIFFERENTIAL COUNT (%)</u></b>                       |                   |                     |              |                                      |
| Neutrophils                                                | 55.1              | %                   | 40.0 - 80.0  | Flow Cytometry                       |
| Lymphocytes                                                | 29.9              | %                   | 20.0 - 40.0  | Flow Cytometry                       |
| Monocytes                                                  | 10.8 <sup>H</sup> | %                   | 2.0-10.0     | Flow Cytometry                       |
| Eosinophils                                                | 2.8               | %                   | 1 - 6        | Flow Cytometry                       |
| Basophils                                                  | 1.4               | %                   | <1-2         | Flow Cytometry                       |
| Band Forms                                                 | 0.0               | %                   | < 6          | Flow Cytometry                       |
| <b><u>DIFFERENTIAL COUNT (ABSOLUTE)</u></b>                |                   |                     |              |                                      |
| Neutrophils (Absolute)                                     | 3.95              | 10 <sup>3</sup> /uL | 2.00 - 7.00  | Calculation                          |
| Lymphocytes (Absolute)                                     | 2.14              | 10 <sup>3</sup> /uL | 1.00 - 3.00  | Calculation                          |
| Monocytes (Absolute)                                       | 0.77              | 10 <sup>3</sup> /uL | 0.20 - 1.00  | Calculation                          |
| Eosinophils (Absolute)                                     | 0.20              | 10 <sup>3</sup> /uL | 0.02 - 0.50  | Calculation                          |
| Basophils (Absolute)                                       | 0.10              | 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 : 17-07-2023 12:00:00  
Authenticated On : 17-07-2023 16:09:18  
Printed On : 17-07-2023 16:40:07

Received On : 17-07-2023 13:50:00  
Released On : 17-07-2023 16:10:32

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

*Pring*

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| Insurance    | : NEXTCARE                                  |                 |                                  |

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

Sample Type : EDTA WB

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**CLINICAL BIOCHEMISTRY**

| Test Name                                                          | Result            | Units | Ref. Range    | Method                     |
|--------------------------------------------------------------------|-------------------|-------|---------------|----------------------------|
| ALP (serum)                                                        | 43.0 <sup>L</sup> | U/L   | 50 - 116      | Para-nitrophenyl Phosphate |
| Kindly note that the reference range is effective from 17-01-2023. |                   |       |               |                            |
| Calcium (serum)                                                    | 9.3               | mg/dL | 8.4 - 10.2    | Arsenazo III               |
| Creatinine (serum)                                                 | 0.82              | mg/dL | 0.6 - 1.2     | Alkaline Picrate           |
| Kindly note that the reference range is effective from 17-01-2023. |                   |       |               |                            |
| Phosphorus (serum)                                                 | 4.1               | mg/dL | 2.3 - 4.7     | Phosphomolybdate           |
| Urea (serum)                                                       | 34.05             | mg/dL | 12.84 - 42.80 | Urease                     |

Kindly note new reference range for Urea effective from 31/1/2022

Sample Type : Serum

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**HORMONES/ENDOCRINE/TUMOR MARKERS**

| Test Name               | Result | Units  | Ref. Range      | Method |
|-------------------------|--------|--------|-----------------|--------|
| <b>TSH (serum)</b>      | 1.4053 | μIU/mL | 0.3500 - 4.9400 | CMIA   |
| <b>Total T3 (serum)</b> | 97.6   | ng/dL  | 35.0 - 193.0    | CMIA   |

Kindly note new reference range for Total T3 effective from 06/03/2021

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**LIPID PROFILE I  
CLINICAL BIOCHEMISTRY**

| Test Name                    | Result | Units | Ref. Range                                                                                                      | Method                                |
|------------------------------|--------|-------|-----------------------------------------------------------------------------------------------------------------|---------------------------------------|
| <b>Cholesterol (serum)</b>   | 170.7  | mg/dL | Desirable: < 200<br>Border High: 200 - 239<br>High: >= 240                                                      | Enzymatic                             |
| <b>Triglycerides (serum)</b> | 76.0   | mg/dL | Normal: < 150<br>Borderline High: 150 - 199<br>High: 200 - 499<br>Very High: >= 500                             | Glycerol<br>Phosphate<br>Oxidase      |
| <b>HDL Cholesterol</b>       | 42.7   | mg/dL | > 40.0                                                                                                          | Accelerator<br>Selective<br>Detergent |
| <b>LDL Cholesterol</b>       | 119.4  | mg/dL | Optimal: < 100<br>Near Optimal: 100 - 129<br>Borderline High: 130 - 159<br>High: 160 - 189<br>Very High: >= 190 | Liquid Selective<br>detergent         |
| <b>*VLDL</b>                 | 8.6    | mg/dL | 5.0 - 30.0                                                                                                      | Calculation                           |
| <b>*Cholesterol / HDL</b>    | 4.0    | Ratio | Desirable: < 4.5<br>Borderline: 4.5 - 6<br>Undesirable: > 6                                                     | Calculation                           |

Sample Type : Serum

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

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