

## LABORATORY REPORT

|              |                                              |                 |                                  |
|--------------|----------------------------------------------|-----------------|----------------------------------|
| Name         | : KHIN BHONE TINT                            | File. No.       | : AAL02-330093                   |
| DOB/Gender   | : 15-09-1997 (25 Yrs 10 Month 7 Days/Female) | Referral Doctor | : Dr. Sajid Sanaullah Khan       |
| Lab No.      | : 22232020206                                | Referral Clinic | : Peshawar(Irham Medical Center) |
| Request Date | : 21-07-2023 16:28                           | Clinic File No  | : 40513                          |
| Insurance    | : No                                         |                 |                                  |

## HAEMATOLOGY & COAGULATION

| Test Name                                                  | Result            | Units               | Ref. Range   | Method                               |
|------------------------------------------------------------|-------------------|---------------------|--------------|--------------------------------------|
| <b><u>COMPLETE BLOOD COUNT (CBC) WITH DIFFERENTIAL</u></b> |                   |                     |              |                                      |
| RBC                                                        | 4.83 <sup>H</sup> | 10 <sup>12</sup> /L | 3.80 - 4.80  | Hydrodynamic focusing (DC Detection) |
| Haemoglobin                                                | 12.1              | g/dl                | 12.0 - 15.0  | Photometry-SLS                       |
| HCT                                                        | 39.5              | %                   | 36.0 - 46.0  | Hydrodynamic focusing                |
| MCV                                                        | 81.8 <sup>L</sup> | fl                  | 83.0 - 101.0 | Calculation                          |
| MCH                                                        | 25.1 <sup>L</sup> | pg                  | 27-32        | Calculation                          |
| MCHC                                                       | 30.6 <sup>L</sup> | g/dL                | 31.5 - 34.5  | Calculation                          |
| Platelet Count                                             | 211               | 10 <sup>3</sup> /uL | 150-400      | Hydrodynamic Focusing(DCD)           |
| WBC                                                        | 6.24              | 10 <sup>3</sup> /uL | 4.00 - 10.00 | Flow Cytometry                       |
| <b><u>DIFFERENTIAL COUNT (%)</u></b>                       |                   |                     |              |                                      |
| Neutrophils                                                | 55.5              | %                   | 40.0 - 80.0  | Flow Cytometry                       |
| Lymphocytes                                                | 33.7              | %                   | 20.0 - 40.0  | Flow Cytometry                       |
| Monocytes                                                  | 7.4               | %                   | 2-10         | Flow Cytometry                       |
| Eosinophils                                                | 2.6               | %                   | 1 - 6        | Flow Cytometry                       |
| Basophils                                                  | 0.8               | %                   | <1-2         | Flow Cytometry                       |
| Band Forms                                                 | 0.0               | %                   | < 6          | Flow Cytometry                       |
| <b><u>DIFFERENTIAL COUNT (ABSOLUTE)</u></b>                |                   |                     |              |                                      |
| Neutrophils (Absolute)                                     | 3.47              | 10 <sup>3</sup> /uL | 2.00 - 7.00  | Calculation                          |
| Lymphocytes (Absolute)                                     | 2.10              | 10 <sup>3</sup> /uL | 1.00 - 3.00  | Calculation                          |
| Monocytes (Absolute)                                       | 0.46              | 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                          |

### 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 : 21-07-2023 15:00:00  
Authenticated On : 21-07-2023 18:34:27  
Printed On : 22-07-2023 14:32:06

Received On : 21-07-2023 16:29:00  
Released On : 21-07-2023 18:50:00

**Wasik**

**Wasik Hasan Tisekar**  
Laboratory Technician  
DHA-P-0039673

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| Test Name                                          | Result                | Units | Ref. Range | Method              |
|----------------------------------------------------|-----------------------|-------|------------|---------------------|
| <b><u>ERYTHROCYTE SEDIMENTATION RATE (ESR)</u></b> |                       |       |            |                     |
| <b>ESR (whole blood)</b>                           | <b>16<sup>H</sup></b> | mmhr  | up to 15   | Modified Westergren |

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Sample Type : EDTA WB

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**CLINICAL BIOCHEMISTRY**

| Test Name           | Result | Units | Ref. Range | Method              |
|---------------------|--------|-------|------------|---------------------|
| CRP - quant (serum) | 1.34   | 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                                    | Dark Yellow |       | Yellow           | Light Scatter                   |
| Appearance                               | Turbid      |       | Clear            | Light Scatter                   |
| Specific Gravity                         | 1.016       |       | 1.005 - 1.030    | Refractrometry                  |
| PH                                       | 5.00        |       | 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                                    | 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    |       | Negative         | Enz.Rn/Reflect                  |
| <b><u>MICROSCOPIC EXAMINATION</u></b>    |             |       |                  |                                 |
| Pus Cells                                | 1 - 2       | /HPF  | 1 - 4            | F.D.I/Microscopy                |
| RBC's                                    | 0 - 1       | /HPF  | 0 - 2            | F.D.I/Microscopy                |
| Epithelial cells                         | 4 - 6       | /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                |
| Uric Acid Crystals                       | +           | /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 clinically indicated.

*Sample Type : Mid-stream Urine*

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

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