



## HEMATOLOGY

### ALL METHOD REPORT

Cycle-10/2021

Round -5

Lab Code: 2242

Date: 02/10/2021

#### Complete Blood Count (CBC)

| Parameters                           | No. of Participants | Group Mean | Standard deviation (SD) | Uncertainty of Assign Values | Range ( $\pm 2$ SD) | Your Value | Standard Deviation Index(SDI) |
|--------------------------------------|---------------------|------------|-------------------------|------------------------------|---------------------|------------|-------------------------------|
| Hb gm/dl                             | 153                 | 11.6       | 0.4                     | 0.04                         | 10.7-12.4           | *8.7#      | -6.7                          |
| WBC $\times 10^3/\mu\text{l}$ .      | 151                 | 10.2       | 1.8                     | 0.19                         | 6.5-13.9            | *6.2#      | -2.2                          |
| RBC $\times 10^6/\mu\text{l}$ .      | 154                 | 3.9        | 0.1                     | 0.01                         | 3.66-4.22           | *3.81#     | -0.9                          |
| Hct%                                 | 154                 | 34.1       | 2.4                     | 0.25                         | 29.2-39.0           | *33.1#     | -0.4                          |
| MCV fl.                              | 154                 | 86.4       | 4.6                     | 0.47                         | 77.2-95.6           | *87.0#     | 0.1                           |
| MCH pg.                              | 154                 | 29.4       | 1.0                     | 0.10                         | 27.4-31.4           | *23.0#     | -6.3                          |
| MCHC gm/dl                           | 154                 | 34.1       | 2.4                     | 0.24                         | 29.3-38.9           | *26.5#     | -3.1                          |
| Platelet $\times 10^3/\mu\text{l}$ . | 154                 | 260.8      | 23.9                    | 2.40                         | 213.1-308.5         | *295#      | 1.4                           |

#### Interpretation of SDI:

| SDI Value(+/-) | 0 - 0.5               | 0.6 - 0.9        | 1.0 - 2.0              | 2.1 - 2.9                                | $\geq 3$  |
|----------------|-----------------------|------------------|------------------------|--|---|
| Interpretation | Excellent Performance | Good Performance | Acceptable Performance | Marginal Performance<br>Need Improvement | Unacceptable Performance<br>Needs Urgent action |

#### Peripheral Blood Smear(PBS):

|            | Your Result  | Consensus Result   |
|------------|--|--|
| DLC        | P-4, L-93, E-1, M-2  | L84.0-98.0, ProL2.0-20.6, P1.5-6.8, M1.0-2.3, E1.0-1.0   |
| Morphology | RBC are reduced in density and are normocytic normochromic with mild anisocytosis, Platelets are moderately reduced on smear | $\Delta$ Smudge cells (97/126)<br>$\Delta$ Normocytic/Normochromic (89/126)<br>$\Delta$ Thrombocytopenia (72/126)<br>$\Delta$ Lymphocytosis (62/126)<br>$\Delta$ Leucocytosis (36/126) |
| Diagnosis  | Chronic Lymphoproliferative Disorder   | Chronic Lymphocytic Leukemia (CLL)/<br>Chronic Lymphoproliferative Disorder  |

| Legends | (*) Excluded From Group Mean | {.} Not Reported | (#)Late Result Submission | (\$)Reported in other Unit |
|---------|------------------------------|------------------|---------------------------|----------------------------|
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\*\*End of Report\*\*

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