|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **LOW CONTROL** | | **Sysmex**  **K1000**  **K-4500** | **Sysmex**  **KX21N,**  **XP300** | **Abbott CELL-DYN** | **Mindray**  **BC-2800**  **BC-3000** | **ABX Micros45/60** | **Nihon Kohden**  **MEK SERIES**  **CELTAC ALPHA** | **MEDONIC**  **CA series Swelab** | **ORPHEE**  **MYTHIC 18** |  |
| **LOT 02-2405 EXP: 2024-08-28** | |
| Parameters | | Mean | Mean | Mean | Mean | Mean | Mean | Mean | mean | + Range |
| WBC | x109/L | 2.7 | 2.7 | 2.77 | 2.98 | 3.0 | 2.7 | 2.7 | 2.7 | 0.6 |
| Lymph # | x109/L | Na | 2.2 | 2.2 | 2.1 | 2.2 | 2.0 | 2.2 | 2.0 | 1,0 |
| Mid # (Mxd\*) | x109/L | Na | 0.2 | 0.2 | Na | 0.2 | Na | Na | Na | 0.4 |
| Gran#(Neut\*) | x109/L | Na | 1.5 | 1.5 | Na | 1.5 | Na | Na | Na | 0.8 |
| Lymph | % | Na | 57.0 | 57.0 | 52.0 | 57.0 | 48.0 | 57.0 | 48.0 | 10 |
| Mid (Mxd\*) | % | Na | 6.0 | 6.0 | Na | 6.0 | Na | Na | Na | 5.0 |
| Gran (Neut\*) | % | Na | 37 | 37 | Na | 37 | Na | Na | Na | 10 |
| RBC | x1012/L | 3.04 | 2.99 | 2.91 | 2.99 | 2.99 | 2.88 | 2.91 | 2.95 | 0.20 |
| Hgb | g/dL | 7.6 | 7.7 | 7.6 | 7.8 | 7.6 | 7.9 | 7.3 | 7.6 | 0.5 |
| Hct | % | 22.3 | 21.9 | 21.3 | 22.2 | 21.7 | 21.6 | 21.0 | 21.1 | 3.0 |
| MCV | fL | 73.3 | 73.2 | 75.0 | 74.2 | 74.0 | 75.0 | 74.0 | 74.0 | 5.0 |
| MCH | pg | 25.0 | 25.7 | 26.1 | 26.0 | 25.4 | 27.4 | 25.0 | 25.7 | 3.0 |
| MCHC | g/dL | 34.0 | 35.1 | 35.8 | 35.1 | 35.0 | 36.6 | 34.8 | 36.0 | 3.0 |
| RDW-CV | % | 14.0 | 12.5 | 12.0 | 14.0 | 11.5 | 12.3 | 11.5 | 11.5 | 3.5 |
| PLT | x109/L | 70 | 65 | 68 | 90 | 70 | 65 | 70 | 70 | 30 |
| MPV | fL | 10.7 | 11.0 | 10.5 | 9.0 | 10.8 | 10.5 | 10.8 | 10.5 | 2,0 |
| **NORMAL CONTROL** | | **Sysmex**  **K1000**  **K-4500** | **Sysmex KX21N,**  **XP300** | **Abbott**  **CELL-DYN** | **Mindray**  **BC-2800**  **BC-3000** | **ABX**  **Micros45/60** | **Nihon Kohden MEK SERIES**  **CELTAC ALPHA** | **MEDONIC**  **CA series Swelab** | **ORPHEE MYTHIC**  **18** |  |
|  | |
| **LOT 02-2405 EXP: 2024-08-28** | |
| Parameters | | Mean | Mean | Mean | Mean | Mean | Mean | Mean | Mean | + Range |
| WBC | x109/L | 7.2 | 7.2 | 7.1 | 7.9 | 7.1 | 7.2 | 7.1 | 7.2 | 1,2 |
| Lymph # | x109/L | Na | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | Na | 1,5 |
| Mid # (Mxd\*) | x109/L | Na | 0.5 | 0.7 | 0.7 | 0.7 | 0.4 | 0.7 | Na | 0.3 |
| Gran#(Neut\*) | x109/L | Na | 3.8 | 4.2 | 4.2 | 4.2 | 4.0 | 4.2 | Na | 1.2 |
| Lymph | % | Na | 39.0 | 36.0 | 38.0 | 36.0 | 38.0 | 36.0 | 36.0 | 10 |
| Mid (Mxd\*) | % | Na | 8.0 | 8.0 | 8.0 | 8.0 | 5.0 | 8.0 | 8.0 | 5.0 |
| Gran (Neut\*) | % | Na | 53.0 | 56.0 | 54.0 | 56.0 | 57.0 | 56.0 | 56.0 | 10 |
| RBC | x1012/L | 4.49 | 4.39 | 4.29 | 4.45 | 4.31 | 4.28 | 4.29 | 4.31 | 0.25 |
| Hgb | g/dL | 13.0 | 13.0 | 13.0 | 12.9 | 13.3 | 13.1 | 13.0 | 13.2 | 0.6 |
| Hct | % | 37.5 | 36.9 | 35.0 | 37.7 | 35.5 | 37.0 | 34.4 | 35.0 | 3.0 |
| MCV | fL | 83.5 | 84.0 | 81.5 | 84.7 | 81.9 | 86.5 | 80.0 | 81.0 | 6.0 |
| MCH | pg | 28.9 | 29.6 | 30.2 | 29.0 | 30.9 | 30.6 | 30.3 | 30.5 | 3.0 |
| MCHC | g/dL | 34.6 | 35.2 | 37.0 | 34.2 | 37.5 | 35.4 | 37.8 | 37.7 | 3.0 |
| RDW-CV | % | 15.2 | 13.5 | 13.0 | 15.0 | 13.0 | 13.3 | 13.0 | 13.0 | 3.5 |
| PLT | x109/L | 220 | 215 | 210 | 265 | 218 | 220 | 210 | 220 | 50 |
| MPV | fL | 9.5 | 10.5 | 10.3 | 9.1 | 10.3 | 10.0 | 10.3 | 10.3 | 3.0 |
| **HIGH CONTROL** | | **Sysmex**  **K1000**  **K-4500** | **Sysmex**  **KX21N,**  **XP300** | **Abbott**  **CELL-DYN** | **Mindray**  **BC-2800**  **BC-3000** | **ABX**  **Micros45/60** | **Nihon Kohden MEK SERIES**  **CELTAC ALPHA** | **MEDONIC**  **CA series Swelab** | **ORPHEE**  **MYTHIC**  **18** |  |
|  | |
|  | |
| **LOT 02-2405 EXP: 2024-08-28** | |
| Parameters | | Mean | Mean | Mean | Mean | Mean | Mean | Mean | Mean | + Range |
| WBC | x109/L | 19.1 | 18.7 | 18.6 | 21.0 | 19.2 | 19.1 | 18.6 | 18.2 | 2.0 |
| Lymph # | x109/L | Na | 17.0 | 17.0 | 16.0 | 17.0 | 16.0 | 17.0 | 17.0 | 1.5 |
| Mid # (Mxd\*) | x109/L | Na | Na | Na | Na | Na | Na | Na | Na | 1.0 |
| Gran#(Neut\*) | x109/L | Na | Na | Na | Na | Na | Na | Na | Na | 5,5 |
| Lymph | % | Na | 88.0 | 88.0 | 76.0 | 88.0 | 76.0 | 88.0 | 88.0 | 10 |
| Mid (Mxd\*) | % | Na | Na | Na | Na | Na | Na | Na | Na | 5.0 |
| Gran (Neut\*) | % | Na | Na | Na | Na | Na | Na | Na | Na | 10 |
| RBC | x1012/L | 5.27 | 5.22 | 5.20 | 5.22 | 5.10 | 5.10 | 5.05 | 5.12 | 0.30 |
| Hgb | g/dL | 16.6 | 17.1 | 16.6 | 16.5 | 16.8 | 17.3 | 16.7 | 16.7 | 1,0 |
| Hct | % | 47.0 | 46.4 | 44.5 | 47.0 | 45.2 | 47.4 | 44.2 | 44.5 | 4.0 |
| MCV | fL | 89.1 | 89.2 | 86.0 | 90.0 | 89.0 | 92.9 | 88.0 | 88.0 | 6.0 |
| MCH | pg | 31.5 | 32.7 | 32.0 | 31.6 | 33.0 | 33.9 | 33.1 | 32.7 | 3.0 |
| MCHC | g/dL | 35.3 | 36.8 | 37.3 | 35.1 | 37.2 | 36.5 | 37.7 | 37.5 | 3.0 |
| RDW-CV | % | 14.5 | 14.0 | 14.2 | 14.5 | 13.3 | 12.8 | 13.3 | 13.3 | 3.5 |
| PLT | x109/L | 530 | 528 | 530 | 585 | 525 | 530 | 525 | 530 | 70 |
| MPV | fL | 10.0 | 10.8 | 10.0 | 9.2 | 9.0 | 10.5 | 9.0 | 9.0 | 3,0 |

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| LOT 02-2405 |  | 2024-08-28 |
| 14 Days open vial | | |

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| **LOW CONTROL** | | **DIAGON**  **D-CELL30**  **60 Series** | **BAYER**  **SEIMENS**  **ADVIA60** | **HYCELL/**  **MS9** | **ERMA**  **CONVERGENT** | **Diatron**  **Abacus Jr.** | **PROKAN**  **PE6800** | **Coulter** | **RAYTO** |  |
| **LOT 02-2405 EXP: 2024-08-28** | |
| Parameters | | Mean | Mean | Mean | Mean | Mean | Mean | Mean | Mean | + Range |
| WBC | x109/L | 2.98 | 3.0 | 2.7 | 2.77 | 2.7 | 3.1 | 2.7 | 3.0 | 0.6 |
| Lymph # | x109/L | 2.1 | 2.2 | 2.2 | 2.2 | 2.2 | 2.1 | 2.1 | 2.2 | 1,0 |
| Mid # (Mxd\*) | x109/L | Na | 0.2 | Na | 0.2 | Na | Na | Na | 0.2 | 0.4 |
| Gran #(Neut\*) | x109/L | Na | 1.5 | Na | 1.5 | Na | Na | Na | 1.5 | 0.8 |
| Lymph | % | 52.0 | 57.0 | 57.0 | 57.0 | 57.0 | 52.0 | 52.0 | 57.0 | 10 |
| Mid (Mxd\*) | % | Na | 6.0 | Na | 6.0 | Na | Na | Na | 6.0 | 5.0 |
| Gran (Neut\*) | % | Na | 37 | Na | 37 | Na | Na | Na | 37 | 10 |
| RBC | x1012/L | 2.99 | 2.99 | 2.91 | 2.91 | 2.91 | 2.7 | 2.91 | 2.99 | 0.20 |
| Hgb | g/dL | 7.8 | 7.6 | 7.3 | 7.6 | 7.3 | 7.4 | 7.6 | 7.6 | 0.5 |
| Hct | % | 22.2 | 21.7 | 21.0 | 21.3 | 21.0 | 19.8 | 21.8 | 21.7 | 3.0 |
| MCV | fL | 74.2 | 74.0 | 74.0 | 75.0 | 74.0 | 73.3 | 75.0 | 74.0 | 5.0 |
| MCH | pg | 26.0 | 25.4 | 25.0 | 26.1 | 25.0 | 27.4 | 26.1 | 25.4 | 3.0 |
| MCHC | g/dL | 35.1 | 35.0 | 34.8 | 35.8 | 34.8 | 37.4 | 34.9 | 35.0 | 3.0 |
| RDW-CV | % | 14.0 | 11.5 | 11.5 | 12.0 | 11.5 | 20.0 | 12.5 | 11.5 | 3.5 |
| PLT | x109/L | 90 | 70 | 70 | 68 | 70 | 99 | 70 | 70 | 30 |
| MPV | fL | 9.0 | 10.8 | 10.8 | 10.5 | 10.8 | 9.5 | 10.5 | 10.8 | 2,0 |
| **NORMAL CONTROL** | | **DIAGON**  **D-CELL30**  **60 Series** | **BAYER**  **SEIMENS**  **ADVIA60** | **HYCELL/**  **MS9** | **ERMA**  **CONVERGENT** | **Diatron**  **Abacus Jr.** | **PROKAN**  **PE6800** | **Coulter** | **RAYTO** |  |
| **LOT 02-2405 EXP: 2024-08-28** | |
| Parameters | | Mean | Mean | Mean | Mean | Mean | Mean | Mean | Mean | + Range |
| WBC | x109/L | 7.9 | 7.1 | 7.1 | 7.1 | 7.1 | 7.4 | 7.2 | 7.1 | 1,2 |
| Lymph # | x109/L | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.5 | 2.7 | 2.8 | 1,5 |
| Mid # (Mxd\*) | x109/L | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.3 |
| Gran #(Neut\*) | x109/L | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.0 | 4.0 | 4.2 | 1.2 |
| Lymph | % | 38.0 | 36.0 | 36.0 | 36.0 | 36.0 | 38.0 | 35.0 | 36.0 | 10 |
| Mid (Mxd\*) | % | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8 | 8.0 | 8.0 | 5.0 |
| Gran (Neut\*) | % | 54.0 | 56.0 | 56.0 | 56.0 | 56.0 | 54.0 | 57.0 | 56.0 | 10 |
| RBC | x1012/L | 4.45 | 4.31 | 4.29 | 4.29 | 4.29 | 4.46 | 4.26 | 4.31 | 0.25 |
| Hgb | g/dL | 12.9 | 13.3 | 13.0 | 13.0 | 13.0 | 12.7 | 13.2 | 13.3 | 0.6 |
| Hct | % | 37.7 | 35.5 | 34.4 | 35.0 | 34.4 | 36.5 | 35.0 | 35.5 | 3.0 |
| MCV | fL | 84.7 | 81.9 | 80.0 | 81.5 | 80.0 | 81.8 | 82.0 | 81.9 | 6.0 |
| MCH | pg | 29.0 | 30.9 | 30.3 | 30.2 | 30.3 | 28.4 | 30.9 | 30.9 | 3.0 |
| MCHC | g/dL | 34.2 | 37.5 | 37.8 | 37.0 | 37.8 | 34.8 | 37.7 | 37.5 | 3.0 |
| RDW-CV | % | 15.0 | 13.0 | 13.0 | 13.0 | 13.0 | 15.2 | 13.2 | 13.0 | 3.5 |
| PLT | x109/L | 265 | 218 | 210 | 210 | 210 | 250 | 220 | 218 | 50 |
| MPV | fL | 9.1 | 10.3 | 10.3 | 10.3 | 10.3 | 8.5 | 10.3 | 10.3 | 3.0 |
| **HIGH CONTROL** | | **DIAGON**  **D-CELL30**  **60 Series** | **BAYER**  **SEIMENS**  **ADVIA60** | **HYCELL/**  **MS9** | **ERMA**  **CONVERGENT** | **Diatron**  **Abacus Jr.** | **PROKAN**  **PE6800** | **Coulter** | **RAYTO** |  |
| **LOT 02-2405 EXP: 2024-08-28** | |
| Parameters | | Mean | Mean | Mean | Mean | Mean | Mean | Mean | Mean | + Range |
| WBC | x109/L | 21.0 | 19.2 | 18.6 | 18.6 | 18.6 | 19.5 | 18.6 | 19.2 | 2.0 |
| Lymph # | x109/L | 16.0 | 17.0 | 17.0 | 17.0 | 17.0 | 16.0 | 16.0 | 17.0 | 1.5 |
| Mid # (Mxd\*) | x109/L | Na | Na | Na | Na | Na | Na | Na | Na | 1.0 |
| Gran #(Neut\*) | x109/L | Na | Na | Na | Na | Na | Na | Na | Na | 5,5 |
| Lymph | % | 76.0 | 88.0 | 88.0 | 88.0 | 88.0 | 76.0 | 76.0 | 88.0 | 10 |
| Mid (Mxd\*) | % | Na | Na | Na | Na | Na | Na | Na | Na | 5.0 |
| Gran (Neut\*) | % | Na | Na | Na | Na | Na | Na | Na | Na | 10 |
| RBC | x1012/L | 5.22 | 5.10 | 5.05 | 5.20 | 5.05 | 5.52 | 5.20 | 5.10 | 0.30 |
| Hgb | g/dL | 16.5 | 16.8 | 16.7 | 16.6 | 16.7 | 18.1 | 16.8 | 16.8 | 1,0 |
| Hct | % | 47.0 | 45.2 | 44.2 | 44.5 | 44.2 | 49.0 | 43.2 | 45.2 | 4.5 |
| MCV | fL | 90.0 | 89.0 | 88.0 | 86.0 | 88.0 | 88.3 | 89.0 | 89.0 | 6.0 |
| MCH | pg | 31.6 | 33.0 | 33.1 | 32.0 | 33.1 | 32.6 | 32.9 | 33.0 | 3.0 |
| MCHC | g/dL | 35.1 | 37.2 | 37.7 | 37.3 | 37.7 | 37.0 | 36.5 | 37.2 | 3.0 |
| RDW-CV | % | 14.5 | 13.3 | 13.3 | 14.2 | 13.3 | 14.5 | 13.3 | 13.3 | 3.5 |
| PLT | x109/L | 585 | 525 | 525 | 530 | 525 | 545 | 525 | 525 | 70 |
| MPV | fL | 9.2 | 9.0 | 9.0 | 10.0 | 9.0 | 8.0 | 9.0 | 9.0 | 3,0 |

# Page No.2

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| **LOW CONTROL** | | **Sysmex**  **XS-500i,**  **XS-800i**  **XS-1000i** | **Sysmex**  **XT-1800i**  **XT-2000i** | **Sysmex**  **XE-2100**  **XE-5000** | **Sysmex**  **XN- Series** | **MINDRAY BC-5 series** | **MINDRAY**  **BC-6800**  **BC-6800+** | **MINDRAY**  **BC-6000**  **BC-6200** | **MINDRAY**  **BC-700** |  |
| **LOT 02-2405 EXP: 2024-08-28** | |
| Parameters | | Mean | Mean | Mean | Mean | Mean | Mean | Mean | Mean | + Range |
| WBC | x109/L | 2.4 | 2.44 | 2.44 | 2.2 | 2.6 | 2.5 | 2.5 | 2.5 | 0,7 |
| RBC | x1012/L | 2.98 | 2.97 | 2.97 | 2.86 | 2.98 | 3.02 | 2.88 | 2.88 | 0.20 |
| Hgb | g/dL | 8.0 | 8.1 | 8.1 | 7.9 | 8.3 | 7.9 | 7.9 | 7.9 | 0.5 |
| Hct | % | 22.4 | 21.6 | 21.6 | 21.3 | 22.5 | 22.2 | 22.8 | 22.8 | 3.0 |
| MCV | fL | 75.2 | 72.7 | 72.7 | 74.4 | 75.5 | 73.5 | 79.2 | 79.2 | 5.0 |
| MCH | pg | 26.8 | 27.3 | 27.3 | 27.6 | 27.8 | 26.1 | 27.5 | 27.5 | 3.0 |
| MCHC | g/dL | 35.7 | 37.5 | 37.5 | 37.0 | 36.9 | 35.5 | 34.6 | 34.6 | 3.0 |
| RDW-CV | % | 14.0 | 14.0 | 14.0 | 13.2 | 12.7 | 14.3 | 14.5 | 14.5 | 3.5 |
| PLT | x109/L | 70 | 65 | 65 | 70 | 95 | 75 | 83 | 83 | 30 |
| MPV | fL | 11.5 | 11.3 | 11.3 | 11.8 | 8.0 | 9.5 | 12.5 | 12.5 | 2,0 |
| **NORMAL CONTROL** | | **Sysmex**  **XS-500i,**  **XS-800i**  **XS-1000i** | **Sysmex**  **XT-1800i**  **XT-2000i** | **Sysmex**  **XE-2100**  **XE-5000** | **Sysmex**  **XN- Series** | **MINDRAY BC-5 series** | **MINDRAY**  **BC-6800**  **BC-6800+** | **MINDRAY**  **BC-6000**  **BC-6200** | **MINDRAY**  **BC-700** |  |
| **LOT 02-2405 EXP: 2024-08-28** | |
| Parameters | | Mean | Mean | Mean | Mean | Mean | Mean | Mean | Mean | + Range |
| WBC | x109/L | 7.0 | 7.0 | 7.0 | 7.0 | 8.2 | 7.0 | 6.5 | 6.5 | 1.2 |
| RBC | x1012/L | 4.50 | 4.53 | 4.53 | 4.35 | 4.48 | 4.56 | 4.28 | 4.28 | 0.25 |
| Hgb | g/dL | 13.4 | 13.3 | 13.3 | 13.3 | 13.4 | 13.0 | 12.9 | 12.9 | 0.6 |
| Hct | % | 38.5 | 38.5 | 38.5 | 36.6 | 38.3 | 38.0 | 38.2 | 38.2 | 3.0 |
| MCV | fL | 85.5 | 85.5 | 85.5 | 84.1 | 85.5 | 83.3 | 89.2 | 89.2 | 6.0 |
| MCH | pg | 29.7 | 29.3 | 29.3 | 30.5 | 29.9 | 28.5 | 30.1 | 30.1 | 3.0 |
| MCHC | g/dL | 34.8 | 34.6 | 34.6 | 36.3 | 35.0 | 34.2 | 33.7 | 33.7 | 3.0 |
| RDW-CV | % | 15.3 | 15.0 | 15.0 | 14.5 | 14.0 | 15.0 | 15.5 | 15.5 | 5.0 |
| PLT | x109/L | 230 | 225 | 225 | 230 | 258 | 268 | 235 | 235 | 50 |
| MPV | fL | 10.5 | 10.5 | 10.5 | 11.0 | 9.0 | 9.9 | 11.0 | 11.0 | 3.0 |
| **HIGH CONTROL** | | **Sysmex**  **XS-500i,**  **XS-800i**  **XS-1000i** | **Sysmex**  **XT-1800i**  **XT-2000i** | **Sysmex**  **XE-2100**  **XE-5000** | **Sysmex**  **XN- Series** | **MINDRAY**  **BC-5**  **series** | **MINDRAY**  **BC-6800**  **BC-6800+** | **MINDRAY**  **BC-6000**  **BC-6200** | **MINDRAY**  **BC-700** |  |
| **LOT 02-2405 EXP: 2024-08-28** | |
| Parameters | | Mean | Mean | Mean | Mean | Mean | Mean | Mean | Mean | + Range |
| WBC | x109/L | 17.0 | 17.3 | 17.3 | 16.5 | 19.7 | 17.7 | 18.8 | 18.8 | 2.0 |
| RBC | x1012/L | 5.40 | 5.43 | 5.43 | 5.27 | 5.37 | 5.38 | 5.19 | 5.19 | 0.35 |
| Hgb | g/dL | 17.1 | 17.1 | 17.1 | 17.0 | 17.0 | 17.6 | 16.7 | 16.7 | 1,0 |
| Hct | % | 48.7 | 47.5 | 47.5 | 47.5 | 48.9 | 47.7 | 48.8 | 48.8 | 5,5 |
| MCV | fL | 90.1 | 87.5 | 87.5 | 90.2 | 91.1 | 88.6 | 94.0 | 94.0 | 7.0 |
| MCH | pg | 31.6 | 31.5 | 31.5 | 32.2 | 31.6 | 32.7 | 32.1 | 32.1 | 3.0 |
| MCHC | g/dL | 35.1 | 36.0 | 36.0 | 35.7 | 34.7 | 36.9 | 34.2 | 34.2 | 3.0 |
| RDW-CV | % | 15.5 | 15.0 | 15.0 | 14.3 | 13.9 | 14.8 | 15.0 | 15.0 | 3.5 |
| PLT | x109/L | 600 | 580 | 580 | 590 | 590 | 630 | 580 | 580 | 75 |
| MPV | fL | 10.8 | 10.5 | 10.5 | 11.0 | 9.5 | 10.0 | 11.5 | 11.5 | 3,0 |

*\*To use the control for 5part-Diff instrument, Please set the instrument on CBC-mode function then do the sampling.*

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| LOT 02-2405 |  | 2024-08-28 |
| 14 Days open vial | | |

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| **CONTROL** | | **CELLDYNE**  **RUBY** | **ABX**  **PENTRA6**  **0 60C,120** | **PENTRA**  **80, 80XL** | **Zybio** | **ORPHEE**  **MYTHIC 22**  **22AL** | **ORPHEE**  **MYTHIC 60** | **NihonKohden**  **CELLTAC E,ES**  **CELLTAC F** | **Nihon Kohden**  **CELLTAC G** |  |
| **LOT 02-2405 EXP: 2024-08-28** | |
| Parameters | | Mean | Mean | Mean | Mean | Mean | Mean | Mean | Mean | + Range |
| WBC | x109/L | 2.7 | 2.7 | 2.7 | 2.5 | 1.5 | 1.8 | 2.7 | 2.9 | 0.8 |
| RBC | x1012/L | 2.99 | 2.99 | 2.99 | 2.91 | 2.89 | 3.02 | 3.02 | 2.90 | 0.20 |
| Hgb | g/dL | 7.7 | 7.7 | 7.7 | 7.9 | 7.8 | 8.1 | 7.9 | 7.4 | 0.5 |
| Hct | % | 21.9 | 21.9 | 21.9 | 21.3 | 22.9 | 24.0 | 23.2 | 24.0 | 3.0 |
| MCV | fL | 73.2 | 73.2 | 73.2 | 73.1 | 79.2 | 79.4 | 76.8 | 82.7 | 5.0 |
| MCH | pg | 25.7 | 25.7 | 25.7 | 27.1 | 27.0 | 26.8 | 26.1 | 25.5 | 3.0 |
| MCHC | g/dL | 35.1 | 35.1 | 35.1 | 37.0 | 34.0 | 33.7 | 34.0 | 30.8 | 3.0 |
| RDW-CV | % | 12.5 | 12.5 | 12.5 | 13.2 | 14.0 | 13.5 | 15.5 | 12.3 | 3.5 |
| PLT | x109/L | 65 | 65 | 65 | 75 | 70 | 70 | 82.0 | 80 | 30 |
| MPV | fL | 11.0 | 11.0 | 11.0 | 11.8 | 10.8 | 11.0 | 9.0 | 9.0 | 2,0 |
| **NORMAL CONTROL** | | **CELLDYNE RUBY** | **ABX**  **PENTRA6**  **0 60C,120** | **PENTRA**  **80, 80XL** | **Zybio** | **ORPHEE**  **MYTHIC 22**  **22AL** | **ORPHEE**  **MYTHIC 60** | **NihonKohden**  **CELLTAC E,ES**  **CELLTAC F** | **Nihon Kohden**  **CELLTAC G** |  |
| **LOT 02-2405**  **EXP: 2024-08-28** | |
| Parameters | | Mean | Mean | Mean | Mean | Mean | Mean | Mean | Mean | + Range |
| WBC | x109/L | 7.3 | 7.2 | 7.2 | 7.3 | 4.6 | 5.5 | 7.1 | 7.6 | 1.2 |
| RBC | x1012/L | 4.40 | 4.39 | 4.39 | 4.36 | 4.32 | 4.40 | 4.45 | 4.36 | 0.25 |
| Hgb | g/dL | 13.0 | 13.0 | 13.0 | 13.2 | 13.2 | 13.7 | 13.1 | 12.9 | 0.6 |
| Hct | % | 37.1 | 36.9 | 36.9 | 36.8 | 36.5 | 37.5 | 38.2 | 42.0 | 3.0 |
| MCV | fL | 84.3 | 84.0 | 84.0 | 84.4 | 84.4 | 85.2 | 85.8 | 96.3 | 6.0 |
| MCH | pg | 29.5 | 29.6 | 29.6 | 30.2 | 30.5 | 31.1 | 29.4 | 29.5 | 3.0 |
| MCHC | g/dL | 35.0 | 35.2 | 35.2 | 35.8 | 36.1 | 36.5 | 34.3 | 30.7 | 3.0 |
| RDW-CV | % | 11.0 | 13.5 | 13.5 | 14.5 | 14.0 | 13.5 | 15.5 | 14.8 | 5.0 |
| PLT | x109/L | 168 | 215 | 215 | 230 | 225 | 258 | 230 | 250 | 50 |
| MPV | fL | 9.5 | 10.5 | 10.5 | 11.3 | 11.0 | 10.8 | 12.0 | 9.5 | 3.0 |
| **HIGH CONTROL** | | **CELLDYNE RUBY** | **ABX**  **PENTRA6**  **0 60C,120** | **PENTRA**  **80, 80XL** | **Zybio** | **ORPHEE**  **MYTHIC 22**  **22AL** | **ORPHEE**  **MYTHIC 60** | **NihonKohden**  **CELLTAC E,ES**  **CELLTAC F** | **Nihon Kohden**  **CELLTAC G** |  |
| **LOT 02-2405**  **EXP: 2024-08-28** | |
| Parameters | | Mean | Mean | Mean | Mean | Mean | Mean | Mean | Mean | + Range |
| WBC | x109/L | 18.7 | 18.7 | 18.7 | 18.5 | 8.0 | 10.0 | 18.2 | 19.9 | 2.0 |
| RBC | x1012/L | 5.22 | 5.22 | 5.22 | 5.24 | 5.20 | 5.30 | 5.20 | 5.31 | 0.30 |
| Hgb | g/dL | 17.1 | 17.1 | 17.1 | 16.8 | 16.9 | 17.3 | 16.9 | 16.7 | 1,0 |
| Hct | % | 46.4 | 46.4 | 46.4 | 47.4 | 46.8 | 49.6 | 48.5 | 53.5 | 5.0 |
| MCV | fL | 89.2 | 89.2 | 89.2 | 90.4 | 90.0 | 93.5 | 93.2 | 100.7 | 7.0 |
| MCH | pg | 32.7 | 32.7 | 32.7 | 32.0 | 32.5 | 34.8 | 32.5 | 31.4 | 3.0 |
| MCHC | g/dL | 36.8 | 36.8 | 36.8 | 35.4 | 36.1 | 35.6 | 34.8 | 31.2 | 3.0 |
| RDW-CV | % | 14.0 | 14.0 | 14.0 | 14.3 | 12.8 | 13.9 | 15.0 | 15.0 | 3.5 |
| PLT | x109/L | 528 | 528 | 528 | 570 | 530 | 595 | 600 | 635 | 75 |
| MPV | fL | 10.8 | 10.8 | 10.8 | 11.0 | 9.8 | 10.5 | 8.9 | 9.0 | 3,0 |

*\*To use the control for 5part-Diff instrument, Please set the instrument on CBC-mode function then do the sampling.*

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|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CONTROL** | | **DANAM**  **DATACELL**  **16/18** | **BACKER 9110PLUS** |  |
| **LOT 02-2405 EXP: 2024-08-28** | |
| Parameters | | Mean | Mean | + Range |
| WBC | x109/L | 2.7 | 2.7 | 0.8 |
| RBC | x1012/L | 2.95 | 2.99 | 0.20 |
| Hgb | g/dL | 7.6 | 7.7 | 0.5 |
| Hct | % | 21.1 | 21.9 | 3.0 |
| MCV | fL | 74.0 | 73.2 | 5.0 |
| MCH | pg | 25.7 | 25.7 | 3.0 |
| MCHC | g/dL | 36.0 | 35.1 | 3.0 |
| RDW-CV | % | 11.5 | 12.5 | 3.5 |
| PLT | x109/L | 70 | 65 | 30 |
| MPV | fL | 10.5 | 11.0 | 2,0 |
| **NORMAL CONTROL** | | **DANAM**  **DATACELL**  **16/18** | **BACKER 9110PLUS** |  |
| **LOT 02-2405**  **EXP: 2024-08-28** | |
| Parameters | | Mean | Mean | + Range |
| WBC | x109/L | 7.2 | 7.1 | 1.2 |
| RBC | x1012/L | 4.31 | 4.31 | 0.25 |
| Hgb | g/dL | 13.2 | 13.3 | 0.6 |
| Hct | % | 35.0 | 35.5 | 3.0 |
| MCV | fL | 81.0 | 81.9 | 6.0 |
| MCH | pg | 30.5 | 30.9 | 3.0 |
| MCHC | g/dL | 37.7 | 37.5 | 3.0 |
| RDW-CV | % | 13.0 | 13.0 | 5.0 |
| PLT | x109/L | 220 | 218 | 50 |
| MPV | fL | 10.3 | 10.3 | 3.0 |
| **HIGH CONTROL** | | **DANAM**  **DATACELL**  **16/18** | **BACKER 9110PLUS** |  |
| **LOT 02-2405**  **EXP: 2024-08-28** | |
| Parameters | | Mean | Mean | + Range |
| WBC | x109/L | 18.2 | 19.2 | 2.0 |
| RBC | x1012/L | 5.12 | 5.10 | 0.30 |
| Hgb | g/dL | 16.7 | 16.8 | 1,0 |
| Hct | % | 44.5 | 45.2 | 5.0 |
| MCV | fL | 88.0 | 89.0 | 7.0 |
| MCH | pg | 32.7 | 33.0 | 3.0 |
| MCHC | g/dL | 37.5 | 37.2 | 3.0 |
| RDW-CV | % | 13.3 | 13.3 | 3.5 |
| PLT | x109/L | 530 | 525 | 75 |
| MPV | fL | 9.0 | 9.0 | 3,0 |

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