

# B30 CONTROL

FOR MINDRAY HEMATOLOGY ANALYZERS

LOT BC21123L-1  2024-04-23

## ASSAY VALUES AND EXPECTED RANGES(Low level)

| Parameters | Units              | BC-3600,BC-3300 |        |      | BC-3200,BC-3000CT |        |      | BC-2900,<br>BC-1800,BC-3000Plus |        |      | BC-2800,BC-2600,<br>BC-2800Vet,BC-2600Vet |        |      | BC-2300,BC-2100 |        |      | BC-20s,BC-21s,<br>BC-30s,BC-31s,<br>BC-30,BC-31,BC-30e |        |      | BC-20,BC-21,<br>BC-10,BC-11,BC-10e |        |      |
|------------|--------------------|-----------------|--------|------|-------------------|--------|------|---------------------------------|--------|------|---|--------|------|-----------------|--------|------|--|--------|------|------------------------------------|--------|------|
|            |                    | Assay<br>Values | Ranges |      | Assay<br>Values   | Ranges |      | Assay<br>Values                 | Ranges |      | Assay<br>Values                           | Ranges |      | Assay<br>Values | Ranges |      | Assay<br>Values  | Ranges |      | Assay<br>Values                    | Ranges |      |
| WBC        | $\times 10^9/L$    | 2.7             | ±      | 0.6  | 2.8               | ±      | 0.6  | 2.6                             | ±      | 0.6  | 2.6                                       | ±      | 0.6  | 2.5             | ±      | 0.6  | 2.7  | ±      | 0.6  | 2.8                                | ±      | 0.6  |
| RBC        | $\times 10^{12}/L$ | 2.77            | ±      | 0.25 | 2.86              | ±      | 0.25 | 2.90                            | ±      | 0.25 | 2.69                                      | ±      | 0.25 | 2.65            | ±      | 0.25 | 2.61   | ±      | 0.25 | 2.66                               | ±      | 0.25 |
| HGB        | g/L                | 82              | ±      | 4    | 83                | ±      | 4    | 83                              | ±      | 4    | 82  | ±      | 4    | 81              | ±      | 4    | 82   | ±      | 4    | 82                                 | ±      | 4    |
| HCT        | %                  | 24.0            | ±      | 3.5  | 24.5              | ±      | 3.5  | 25.0                            | ±      | 3.5  | 23.1                                      | ±      | 3.5  | 22.8            | ±      | 3.5  | 23.6   | ±      | 3.5  | 23.7                               | ±      | 3.5  |
| MCV        | fL                 | 86.8            | ±      | 5.0  | 85.6              | ±      | 5.0  | 86.1                            | ±      | 5.0  | 86.0                                      | ±      | 5.0  | 85.9            | ±      | 5.0  | 90.6   | ±      | 5.0  | 89.2                               | ±      | 5.0  |
| MCH        | pg                 | 29.6            | ±      | 3.0  | 29.0              | ±      | 3.0  | 28.6                            | ±      | 3.0  | 30.5                                      | ±      | 3.0  | 30.6            | ±      | 3.0  | 31.4   | ±      | 3.0  | 30.8                               | ±      | 3.0  |
| MCHC       | g/L                | 341             | ±      | 30   | 339               | ±      | 30   | 332                             | ±      | 30   | 354                                       | ±      | 30   | 356             | ±      | 30   | 347  | ±      | 30   | 346                                | ±      | 30   |
| PLT        | $\times 10^9/L$    | 69              | ±      | 20   | 74                | ±      | 20   | 72                              | ±      | 20   | 65  | ±      | 20   | 60              | ±      | 20   | 64   | ±      | 20   | 63                                 | ±      | 20   |
| Lymph#     | $\times 10^9/L$    | 1.5             | ±      | 0.3  | 1.5               | ±      | 0.3  | 1.4                             | ±      | 0.3  | 1.4                                       | ±      | 0.3  | 1.4             | ±      | 0.3  | 1.5  | ±      | 0.3  | 1.6                                | ±      | 0.3  |
| Mid#       | $\times 10^9/L$    | 0.2             | ±      | 0.2  | 0.2               | ±      | 0.2  | 0.2                             | ±      | 0.2  | 0.1                                       | ±      | 0.1  | 0.1             | ±      | 0.1  | 0.2  | ±      | 0.2  | 0.2                                | ±      | 0.2  |
| Gran#      | $\times 10^9/L$    | 1.0             | ±      | 0.3  | 1.1               | ±      | 0.3  | 1.0                             | ±      | 0.3  | 1.1                                       | ±      | 0.3  | 1.0             | ±      | 0.3  | 1.0  | ±      | 0.3  | 1.0                                | ±      | 0.3  |
| Lymph%     | %                  | 54.5            | ±      | 10.0 | 51.9              | ±      | 10.0 | 52.2                            | ±      | 10.0 | 55.5                                      | ±      | 10.0 | 54.0            | ±      | 10.0 | 55.5   | ±      | 10.0 | 55.7                               | ±      | 10.0 |
| Mid%       | %                  | 8.4             | ±      | 8.4  | 7.9               | ±      | 7.9  | 7.7                             | ±      | 7.7  | 4.9                                       | ±      | 4.9  | 5.0             | ±      | 5.0  | 8.1  | ±      | 8.1  | 6.7                                | ±      | 6.7  |
| Gran%      | %                  | 37.1            | ±      | 10.0 | 40.2              | ±      | 10.0 | 40.1                            | ±      | 10.0 | 39.6                                      | ±      | 10.0 | 41.0            | ±      | 10.0 | 36.4   | ±      | 10.0 | 37.6                               | ±      | 10.0 |

\* Lymph#, Mid#, Gran#, Lymph%, Mid%, Gran% are not applicable on BC-2800Vet、BC-2600Vet.

# B30 CONTROL

FOR MINDRAY HEMATOLOGY ANALYZERS

LOT BC21123N-1  2024-04-23

## ASSAY VALUES AND EXPECTED RANGES(Normal level)


| Parameters | Units              | BC-3600,BC-3300 |        |      | BC-3200,BC-3000CT |        |      | BC-2900,<br>BC-1800,BC-3000Plus |        |      | BC-2800,BC-2600,<br>BC-2800Vet,BC-2600Vet |        |      | BC-2300,BC-2100 |        |      | BC-20s,BC-21s,<br>BC-30s,BC-31s,<br>BC-30,BC-31,BC-30e |        |      | BC-20,BC-21,<br>BC-10,BC-11,BC-10e |        |      |
|------------|--------------------|-----------------|--------|------|-------------------|--------|------|---------------------------------|--------|------|---|--------|------|-----------------|--------|------|--|--------|------|------------------------------------|--------|------|
|            |                    | Assay<br>Values | Ranges |      | Assay<br>Values   | Ranges |      | Assay<br>Values                 | Ranges |      | Assay<br>Values                           | Ranges |      | Assay<br>Values | Ranges |      | Assay<br>Values  | Ranges |      | Assay<br>Values                    | Ranges |      |
| WBC        | $\times 10^9/L$    | 8.8             | ±      | 1.0  | 8.8               | ±      | 1.0  | 8.5                             | ±      | 1.0  | 8.8                                       | ±      | 1.0  | 8.3             | ±      | 1.0  | 8.7  | ±      | 1.0  | 8.7                                | ±      | 1.0  |
| RBC        | $\times 10^{12}/L$ | 4.40            | ±      | 0.30 | 4.59              | ±      | 0.30 | 4.56                            | ±      | 0.30 | 4.29                                      | ±      | 0.30 | 4.14            | ±      | 0.30 | 4.15   | ±      | 0.30 | 4.28                               | ±      | 0.30 |
| HGB        | g/L                | 132             | ±      | 5    | 133               | ±      | 5    | 135                             | ±      | 5    | 132                                       | ±      | 5    | 128             | ±      | 5    | 132  | ±      | 5    | 132                                | ±      | 5    |
| HCT        | %                  | 38.5            | ±      | 4.5  | 40.2              | ±      | 4.5  | 40.0                            | ±      | 4.5  | 37.7                                      | ±      | 4.5  | 36.4            | ±      | 4.5  | 37.8   | ±      | 4.5  | 38.3                               | ±      | 4.5  |
| MCV        | fL                 | 87.6            | ±      | 5.0  | 87.6              | ±      | 5.0  | 87.8                            | ±      | 5.0  | 87.9                                      | ±      | 5.0  | 87.9            | ±      | 5.0  | 91.1   | ±      | 5.0  | 89.5                               | ±      | 5.0  |
| MCH        | pg                 | 30.0            | ±      | 3.0  | 29.0              | ±      | 3.0  | 29.6                            | ±      | 3.0  | 30.8                                      | ±      | 3.0  | 30.9            | ±      | 3.0  | 31.8   | ±      | 3.0  | 30.8                               | ±      | 3.0  |
| MCHC       | g/L                | 342             | ±      | 40   | 331               | ±      | 40   | 337                             | ±      | 40   | 350                                       | ±      | 40   | 352             | ±      | 40   | 349  | ±      | 40   | 345                                | ±      | 40   |
| PLT        | $\times 10^9/L$    | 238             | ±      | 30   | 245               | ±      | 30   | 237                             | ±      | 30   | 243                                       | ±      | 30   | 220             | ±      | 30   | 236  | ±      | 30   | 237                                | ±      | 30   |
| Lymph#     | $\times 10^9/L$    | 4.0             | ±      | 0.5  | 3.8               | ±      | 0.5  | 3.7                             | ±      | 0.5  | 4.1                                       | ±      | 0.5  | 3.8             | ±      | 0.5  | 4.0  | ±      | 0.5  | 4.1                                | ±      | 0.5  |
| Mid#       | $\times 10^9/L$    | 0.8             | ±      | 0.5  | 0.8               | ±      | 0.5  | 0.7                             | ±      | 0.5  | 0.6                                       | ±      | 0.5  | 0.5             | ±      | 0.5  | 0.8  | ±      | 0.5  | 0.7                                | ±      | 0.5  |
| Gran#      | $\times 10^9/L$    | 4.0             | ±      | 0.5  | 4.2               | ±      | 0.5  | 4.1                             | ±      | 0.5  | 4.1                                       | ±      | 0.5  | 4.0             | ±      | 0.5  | 3.9  | ±      | 0.5  | 3.9                                | ±      | 0.5  |
| Lymph%     | %                  | 45.4            | ±      | 7.0  | 43.4              | ±      | 7.0  | 43.4                            | ±      | 7.0  | 46.3                                      | ±      | 7.0  | 45.8            | ±      | 7.0  | 46.2   | ±      | 7.0  | 47.5                               | ±      | 7.0  |
| Mid%       | %                  | 9.5             | ±      | 9.5  | 9.0               | ±      | 9.0  | 8.5                             | ±      | 8.5  | 6.4                                       | ±      | 6.4  | 6.6             | ±      | 6.6  | 9.5  | ±      | 9.5  | 7.8                                | ±      | 7.8  |
| Gran%      | %                  | 45.1            | ±      | 7.0  | 47.6              | ±      | 7.0  | 48.1                            | ±      | 7.0  | 47.3                                      | ±      | 7.0  | 47.6            | ±      | 7.0  | 44.3   | ±      | 7.0  | 44.7                               | ±      | 7.0  |

\* Lymph#, Mid#, Gran#, Lymph%, Mid%, Gran% are not applicable on BC-2800Vet、BC-2600Vet.

# B30 CONTROL

FOR MINDRAY HEMATOLOGY ANALYZERS

LOT BC21123H-1

 2024-04-23

## ASSAY VALUES AND EXPECTED RANGES(High level)

| Parameters | Units              | BC-3600,BC-3300 |        |      | BC-3200,BC-3000CT |        |      | BC-2900,<br>BC-1800,BC-3000Plus |        |      | BC-2800,BC-2600,<br>BC-2800Vet,BC-2600Vet |        |      | BC-2300,BC-2100 |        |      | BC-20s,BC-21s,<br>BC-30s,BC-31s,<br>BC-30,BC-31,BC-30e |        |      | BC-20,BC-21,<br>BC-10,BC-11,BC-10e |        |      |
|------------|--------------------|-----------------|--------|------|-------------------|--------|------|---------------------------------|--------|------|---|--------|------|-----------------|--------|------|--|--------|------|------------------------------------|--------|------|
|            |                    | Assay Values    | Ranges |      | Assay Values      | Ranges |      | Assay Values                    | Ranges |      | Assay Values                              | Ranges |      | Assay Values    | Ranges |      | Assay Values   | Ranges |      | Assay Values                       | Ranges |      |
| WBC        | $\times 10^9/L$    | 19.0            | ±      | 2.0  | 19.0              | ±      | 2.0  | 18.6                            | ±      | 2.0  | 19.0                                      | ±      | 2.0  | 19.5            | ±      | 2.0  | 19.4   | ±      | 2.0  | 19.1                               | ±      | 2.0  |
| RBC        | $\times 10^{12}/L$ | 5.38            | ±      | 0.40 | 5.34              | ±      | 0.40 | 5.51                            | ±      | 0.40 | 5.21                                      | ±      | 0.40 | 5.06            | ±      | 0.40 | 5.04   | ±      | 0.40 | 5.17                               | ±      | 0.40 |
| HGB        | g/L                | 170             | ±      | 6    | 169               | ±      | 6    | 172                             | ±      | 6    | 168                                       | ±      | 6    | 168             | ±      | 6    | 168  | ±      | 6    | 168                                | ±      | 6    |
| HCT        | %                  | 48.3            | ±      | 5.0  | 48.0              | ±      | 5.0  | 49.7                            | ±      | 5.0  | 47.2                                      | ±      | 5.0  | 45.8            | ±      | 5.0  | 47.0   | ±      | 5.0  | 47.2                               | ±      | 5.0  |
| MCV        | fL                 | 89.7            | ±      | 5.0  | 89.9              | ±      | 5.0  | 90.2                            | ±      | 5.0  | 90.6                                      | ±      | 5.0  | 90.6            | ±      | 5.0  | 93.2   | ±      | 5.0  | 91.2                               | ±      | 5.0  |
| MCH        | pg                 | 31.6            | ±      | 4.0  | 31.6              | ±      | 4.0  | 31.2                            | ±      | 4.0  | 32.2                                      | ±      | 4.0  | 33.2            | ±      | 4.0  | 33.3   | ±      | 4.0  | 32.5                               | ±      | 4.0  |
| MCHC       | g/L                | 352             | ±      | 50   | 352               | ±      | 50   | 346                             | ±      | 50   | 356                                       | ±      | 50   | 366             | ±      | 50   | 358  | ±      | 50   | 356                                | ±      | 50   |
| PLT        | $\times 10^9/L$    | 586             | ±      | 50   | 550               | ±      | 50   | 532                             | ±      | 50   | 617                                       | ±      | 50   | 607             | ±      | 50   | 589  | ±      | 50   | 620                                | ±      | 50   |
| Lymph#     | $\times 10^9/L$    | 3.1             | ±      | 1.0  | 2.9               | ±      | 1.0  | 2.9                             | ±      | 1.0  | 3.2                                       | ±      | 1.0  | 3.2             | ±      | 1.0  | 3.1  | ±      | 1.0  | 3.3                                | ±      | 1.0  |
| Mid#       | $\times 10^9/L$    | 1.4             | ±      | 0.7  | 1.3               | ±      | 0.7  | 1.2                             | ±      | 0.7  | 1.0                                       | ±      | 0.7  | 1.0             | ±      | 0.7  | 1.6  | ±      | 0.7  | 1.3                                | ±      | 0.7  |
| Gran#      | $\times 10^9/L$    | 14.5            | ±      | 1.0  | 14.8              | ±      | 1.0  | 14.5                            | ±      | 1.0  | 14.8                                      | ±      | 1.0  | 15.3            | ±      | 1.0  | 14.7   | ±      | 1.0  | 14.5                               | ±      | 1.0  |
| Lymph%     | %                  | 16.3            | ±      | 7.0  | 15.4              | ±      | 7.0  | 15.4                            | ±      | 7.0  | 16.6                                      | ±      | 7.0  | 16.4            | ±      | 7.0  | 16.1   | ±      | 7.0  | 17.4                               | ±      | 7.0  |
| Mid%       | %                  | 7.6             | ±      | 7.6  | 6.6               | ±      | 6.6  | 6.6                             | ±      | 6.6  | 5.3                                       | ±      | 5.3  | 5.3             | ±      | 5.3  | 8.0  | ±      | 8.0  | 6.6                                | ±      | 6.6  |
| Gran%      | %                  | 76.1            | ±      | 7.0  | 78.0              | ±      | 7.0  | 78.0                            | ±      | 7.0  | 78.1                                      | ±      | 7.0  | 78.3            | ±      | 7.0  | 75.9   | ±      | 7.0  | 76.0                               | ±      | 7.0  |

\* Lymph#, Mid#, Gran#, Lymph%, Mid%, Gran% are not applicable on BC-2800Vet、BC-2600Vet.