

BC-3D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT B0525



2025-08-05

| Instrument | Parameter | Low | | Normal | | High | |
|--|-----------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| | | LOT B0525L | | LOT B0525N | | LOT B0525H | |
| | | The U.S. Units | The International Units | The U.S. Units | The International Units | The U.S. Units | The International Units |
| BC-3600 CD version 1.8(FDA) or greater | WBC | 1.9 ± 0.5 × 10 ⁹ /μL | 1.9 ± 0.5 × 10 ⁹ /L | 7.9 ± 1.0 × 10 ⁹ /μL | 7.9 ± 1.0 × 10 ⁹ /L | 21.2 ± 2.5 × 10 ⁹ /μL | 21.2 ± 2.5 × 10 ⁹ /L |
| | RBC | 2.22 ± 0.18 × 10 ⁶ /μL | 2.22 ± 0.18 × 10 ¹² /L | 4.72 ± 0.24 × 10 ⁶ /μL | 4.72 ± 0.24 × 10 ¹² /L | 5.82 ± 0.30 × 10 ⁶ /μL | 5.82 ± 0.30 × 10 ¹² /L |
| | HGB | 6.0 ± 0.4 g/dL | 60 ± 4 g/L | 14.0 ± 0.6 g/dL | 140 ± 6 g/L | 19.4 ± 0.8 g/dL | 194 ± 8 g/L |
| | HCT | 18.0 ± 1.5 % | 18.0 ± 1.5 % | 40.6 ± 2.0 % | 40.6 ± 2.0 % | 55.0 ± 2.4 % | 55.0 ± 2.4 % |
| | MCV | 81.0 ± 5.0 fL | 81.0 ± 5.0 fL | 86.0 ± 5.0 fL | 86.0 ± 5.0 fL | 94.5 ± 5.0 fL | 94.5 ± 5.0 fL |
| | MCH | 27.0 ± 2.5 pg | 27.0 ± 2.5 pg | 29.7 ± 2.5 pg | 29.7 ± 2.5 pg | 33.3 ± 2.5 pg | 33.3 ± 2.5 pg |
| | MCHC | 33.4 ± 3.0 g/dL | 334 ± 30 g/L | 34.5 ± 3.0 g/dL | 345 ± 30 g/L | 35.3 ± 3.0 g/dL | 353 ± 30 g/L |
| | RDW | 15.5 ± 3.0 % | 15.5 ± 3.0 % | 14.0 ± 3.0 % | 14.0 ± 3.0 % | 13.5 ± 3.0 % | 13.5 ± 3.0 % |
| | PLT | 68 ± 20 × 10 ³ /μL | 68 ± 20 × 10 ⁹ /L | 252 ± 40 × 10 ³ /μL | 252 ± 40 × 10 ⁹ /L | 524 ± 60 × 10 ³ /μL | 524 ± 60 × 10 ⁹ /L |
| | MPV | 7.2 ± 3.0 fL | 7.2 ± 3.0 fL | 7.1 ± 3.0 fL | 7.1 ± 3.0 fL | 7.1 ± 3.0 fL | 7.1 ± 3.0 fL |
| | Lymph | 58.0 ± 9.0 % | 58.0 ± 9.0 % | 27.5 ± 8.0 % | 27.5 ± 8.0 % | 13.0 ± 8.0 % | 13.0 ± 8.0 % |
| | Mid | 11.5 ± 9.0 % | 11.5 ± 9.0 % | 6.5 ± 5.0 % | 6.5 ± 5.0 % | 3.0 ± 2.5 % | 3.0 ± 2.5 % |
| | Gran | 30.5 ± 9.0 % | 30.5 ± 9.0 % | 66.0 ± 8.0 % | 66.0 ± 8.0 % | 84.0 ± 9.0 % | 84.0 ± 9.0 % |
| | Lymph# | 1.1 ± 0.2 × 10 ³ /μL | 1.1 ± 0.2 × 10 ⁹ /L | 2.2 ± 0.7 × 10 ³ /μL | 2.2 ± 0.7 × 10 ⁹ /L | 2.8 ± 1.8 × 10 ³ /μL | 2.8 ± 1.8 × 10 ⁹ /L |
| | Mid# | 0.2 ± 0.2 × 10 ³ /μL | 0.2 ± 0.2 × 10 ⁹ /L | 0.5 ± 0.4 × 10 ³ /μL | 0.5 ± 0.4 × 10 ⁹ /L | 0.6 ± 0.5 × 10 ³ /μL | 0.6 ± 0.5 × 10 ⁹ /L |
| | Gran# | 0.6 ± 0.2 × 10 ³ /μL | 0.6 ± 0.2 × 10 ⁹ /L | 5.2 ± 0.7 × 10 ³ /μL | 5.2 ± 0.7 × 10 ⁹ /L | 17.8 ± 1.9 × 10 ³ /μL | 17.8 ± 1.9 × 10 ⁹ /L |
| BC-3600 CD version lower than 1.8 and/or manufacture date before March of 2015 | WBC | 2.1 ± 0.5 × 10 ⁹ /μL | 2.1 ± 0.5 × 10 ⁹ /L | 8.0 ± 1.0 × 10 ⁹ /μL | 8.0 ± 1.0 × 10 ⁹ /L | 21.4 ± 2.5 × 10 ⁹ /μL | 21.4 ± 2.5 × 10 ⁹ /L |
| | RBC | 2.32 ± 0.18 × 10 ⁶ /μL | 2.32 ± 0.18 × 10 ¹² /L | 4.89 ± 0.24 × 10 ⁶ /μL | 4.89 ± 0.24 × 10 ¹² /L | 5.99 ± 0.30 × 10 ⁶ /μL | 5.99 ± 0.30 × 10 ¹² /L |
| | HGB | 6.3 ± 0.4 g/dL | 63 ± 4 g/L | 14.0 ± 0.6 g/dL | 140 ± 6 g/L | 19.4 ± 0.8 g/dL | 194 ± 8 g/L |
| | HCT | 18.5 ± 1.5 % | 18.5 ± 1.5 % | 41.4 ± 2.0 % | 41.4 ± 2.0 % | 55.7 ± 2.4 % | 55.7 ± 2.4 % |
| | MCV | 79.6 ± 5.0 fL | 79.6 ± 5.0 fL | 84.7 ± 5.0 fL | 84.7 ± 5.0 fL | 93.0 ± 5.0 fL | 93.0 ± 5.0 fL |
| | MCH | 27.2 ± 2.5 pg | 27.2 ± 2.5 pg | 28.6 ± 2.5 pg | 28.6 ± 2.5 pg | 32.4 ± 2.5 pg | 32.4 ± 2.5 pg |
| | MCHC | 34.1 ± 3.0 g/dL | 341 ± 30 g/L | 33.8 ± 3.0 g/dL | 338 ± 30 g/L | 34.8 ± 3.0 g/dL | 348 ± 30 g/L |
| | RDW-CV | 17.5 ± 3.0 % | 17.5 ± 3.0 % | 15.0 ± 3.0 % | 15.0 ± 3.0 % | 14.3 ± 3.0 % | 14.3 ± 3.0 % |
| | RDW-SD | 42.0 ± 8.0 fL | 42.0 ± 8.0 fL | 42.7 ± 8.0 fL | 42.7 ± 8.0 fL | 46.4 ± 8.0 fL | 46.4 ± 8.0 fL |
| | PLT | 71 ± 20 × 10 ³ /μL | 71 ± 20 × 10 ⁹ /L | 257 ± 40 × 10 ³ /μL | 257 ± 40 × 10 ⁹ /L | 516 ± 60 × 10 ³ /μL | 516 ± 60 × 10 ⁹ /L |
| | MPV | 8.4 ± 3.0 fL | 8.4 ± 3.0 fL | 8.3 ± 3.0 fL | 8.3 ± 3.0 fL | 8.3 ± 3.0 fL | 8.3 ± 3.0 fL |
| | *PCT | 0.060 ± 0.050 % | 0.060 ± 0.050 % | 0.213 ± 0.100 % | 0.213 ± 0.100 % | 0.428 ± 0.200 % | 0.428 ± 0.200 % |
| | *PDW | 15.3 ± 3.0 | 15.3 ± 3.0 | 15.7 ± 3.0 | 15.7 ± 3.0 | 16.0 ± 3.0 | 16.0 ± 3.0 |
| | *P-LCC | 18 ± 10 × 10 ³ /μL | 18 ± 10 × 10 ⁹ /L | 61 ± 22 × 10 ³ /μL | 61 ± 22 × 10 ⁹ /L | 120 ± 30 × 10 ³ /μL | 120 ± 30 × 10 ⁹ /L |
| | *P-LCR | 25.2 ± 9.0 % | 25.2 ± 9.0 % | 23.9 ± 9.0 % | 23.9 ± 9.0 % | 23.2 ± 9.0 % | 23.2 ± 9.0 % |
| | Lymph | 55.7 ± 9.0 % | 55.7 ± 9.0 % | 27.8 ± 8.0 % | 27.8 ± 8.0 % | 14.0 ± 8.0 % | 14.0 ± 8.0 % |
| | Mid | 12.7 ± 12.7 % | 12.7 ± 12.7 % | 7.5 ± 7.5 % | 7.5 ± 7.5 % | 2.6 ± 2.6 % | 2.6 ± 2.6 % |
| | Gran | 31.6 ± 10.0 % | 31.6 ± 10.0 % | 64.7 ± 8.0 % | 64.7 ± 8.0 % | 83.4 ± 9.0 % | 83.4 ± 9.0 % |
| | Lymph# | 1.2 ± 0.2 × 10 ³ /μL | 1.2 ± 0.2 × 10 ⁹ /L | 2.2 ± 0.7 × 10 ³ /μL | 2.2 ± 0.7 × 10 ⁹ /L | 3.0 ± 1.8 × 10 ³ /μL | 3.0 ± 1.8 × 10 ⁹ /L |
| | Mid# | 0.3 ± 0.3 × 10 ³ /μL | 0.3 ± 0.3 × 10 ⁹ /L | 0.6 ± 0.6 × 10 ³ /μL | 0.6 ± 0.6 × 10 ⁹ /L | 0.6 ± 0.6 × 10 ³ /μL | 0.6 ± 0.6 × 10 ⁹ /L |
| | Gran# | 0.6 ± 0.2 × 10 ³ /μL | 0.6 ± 0.2 × 10 ⁹ /L | 5.2 ± 0.7 × 10 ³ /μL | 5.2 ± 0.7 × 10 ⁹ /L | 17.8 ± 2.0 × 10 ³ /μL | 17.8 ± 2.0 × 10 ⁹ /L |

* For Research Use Only.

Before using, refer to the instruction sheet for mixing directions.

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BC-3D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT

 B0525


2025-08-05

| Instrument | Parameter | Low | | Normal | | High | |
|------------|-----------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| | | <div>LOT</div> B0525L | | <div>LOT</div> B0525N | | <div>LOT</div> B0525H | |
| | | The U.S. Units | The International Units | The U.S. Units | The International Units | The U.S. Units | The International Units |
| BC-3200 | WBC | 2.2 ± 0.5 × 10 ³ /μL | 2.2 ± 0.5 × 10 ⁹ /L | 8.6 ± 1.0 × 10 ³ /μL | 8.6 ± 1.0 × 10 ⁹ /L | 22.4 ± 2.5 × 10 ³ /μL | 22.4 ± 2.5 × 10 ⁹ /L |
| | RBC | 2.30 ± 0.18 × 10 ⁶ /μL | 2.30 ± 0.18 × 10 ¹² /L | 4.77 ± 0.24 × 10 ⁶ /μL | 4.77 ± 0.24 × 10 ¹² /L | 5.84 ± 0.30 × 10 ⁶ /μL | 5.84 ± 0.30 × 10 ¹² /L |
| | HGB | 6.2 ± 0.4 g/dL | 62 ± 4 g/L | 14.0 ± 0.6 g/dL | 140 ± 6 g/L | 19.1 ± 0.8 g/dL | 191 ± 8 g/L |
| | HCT | 18.3 ± 1.5 % | 18.3 ± 1.5 % | 41.3 ± 2.0 % | 41.3 ± 2.0 % | 55.9 ± 2.4 % | 55.9 ± 2.4 % |
| | MCV | 79.5 ± 5.0 fL | 79.5 ± 5.0 fL | 86.5 ± 5.0 fL | 86.5 ± 5.0 fL | 95.8 ± 5.0 fL | 95.8 ± 5.0 fL |
| | MCH | 27.0 ± 2.5 pg | 27.0 ± 2.5 pg | 29.4 ± 2.5 pg | 29.4 ± 2.5 pg | 32.7 ± 2.5 pg | 32.7 ± 2.5 pg |
| | MCHC | 33.9 ± 3.0 g/dL | 339 ± 30 g/L | 33.9 ± 3.0 g/dL | 339 ± 30 g/L | 34.1 ± 3.0 g/dL | 341 ± 30 g/L |
| | *RDW | 15.7 ± 3.0 % | 15.7 ± 3.0 % | 14.4 ± 3.0 % | 14.4 ± 3.0 % | 13.6 ± 3.0 % | 13.6 ± 3.0 % |
| | PLT | 80 ± 20 × 10 ³ /μL | 80 ± 20 × 10 ⁹ /L | 262 ± 40 × 10 ³ /μL | 262 ± 40 × 10 ⁹ /L | 510 ± 60 × 10 ³ /μL | 510 ± 60 × 10 ⁹ /L |
| | *MPV | 7.9 ± 3.0 fL | 7.9 ± 3.0 fL | 7.2 ± 3.0 fL | 7.2 ± 3.0 fL | 7.1 ± 3.0 fL | 7.1 ± 3.0 fL |
| | Lymph | 50.5 ± 12.0 % | 50.5 ± 12.0 % | 26.5 ± 8.0 % | 26.5 ± 8.0 % | 14.0 ± 6.0 % | 14.0 ± 6.0 % |
| | *Mid | 14.5 ± 10.0 % | 14.5 ± 10.0 % | 8.0 ± 7.0 % | 8.0 ± 7.0 % | 8.0 ± 7.0 % | 8.0 ± 7.0 % |
| | Gran | 35.0 ± 9.0 % | 35.0 ± 9.0 % | 65.5 ± 8.0 % | 65.5 ± 8.0 % | 78.0 ± 9.0 % | 78.0 ± 9.0 % |
| | Lymph# | 1.1 ± 0.3 × 10 ³ /μL | 1.1 ± 0.3 × 10 ⁹ /L | 2.3 ± 0.7 × 10 ³ /μL | 2.3 ± 0.7 × 10 ⁹ /L | 3.1 ± 1.4 × 10 ³ /μL | 3.1 ± 1.4 × 10 ⁹ /L |
| | *Mid# | 0.3 ± 0.3 × 10 ³ /μL | 0.3 ± 0.3 × 10 ⁹ /L | 0.7 ± 0.7 × 10 ³ /μL | 0.7 ± 0.7 × 10 ⁹ /L | 1.8 ± 1.6 × 10 ³ /μL | 1.8 ± 1.6 × 10 ⁹ /L |
| | Gran# | 0.8 ± 0.3 × 10 ³ /μL | 0.8 ± 0.3 × 10 ⁹ /L | 5.6 ± 0.7 × 10 ³ /μL | 5.6 ± 0.7 × 10 ⁹ /L | 17.5 ± 2.1 × 10 ³ /μL | 17.5 ± 2.1 × 10 ⁹ /L |

* For new software version 01.07.00 or greater.

Before using, refer to the instruction sheet for mixing directions.

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