

BC-3D

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT B0518



2018-08-05

| Instrument | Parameter | Low | | Normal | | High | |
|---|--|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| | | LOT B0518L | LOT B0518L | LOT B0518N | LOT B0518N | LOT B0518H | LOT B0518H |
| | | 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 ³ /μL | 1.9 ± 0.5 × 10 ⁹ /L | 7.6 ± 1.0 × 10 ³ /μL | 7.6 ± 1.0 × 10 ⁹ /L | 20.3 ± 2.5 × 10 ³ /μL | 20.3 ± 2.5 × 10 ⁹ /L |
| | RBC | 2.33 ± 0.18 × 10 ⁶ /μL | 2.33 ± 0.18 × 10 ¹² /L | 4.76 ± 0.24 × 10 ⁶ /μL | 4.76 ± 0.24 × 10 ¹² /L | 5.89 ± 0.30 × 10 ⁶ /μL | 5.89 ± 0.30 × 10 ¹² /L |
| | HGB | 5.8 ± 0.4 g/dL | 58 ± 4 g/L | 13.7 ± 0.6 g/dL | 137 ± 6 g/L | 19.1 ± 0.8 g/dL | 191 ± 8 g/L |
| | HCT | 17.8 ± 1.5 % | 17.8 ± 1.5 % | 40.0 ± 2.0 % | 40.0 ± 2.0 % | 54.2 ± 2.4 % | 54.2 ± 2.4 % |
| | MCV | 76.5 ± 5.0 fL | 76.5 ± 5.0 fL | 84.0 ± 5.0 fL | 84.0 ± 5.0 fL | 92.0 ± 5.0 fL | 92.0 ± 5.0 fL |
| | MCH | 24.9 ± 2.5 pg | 24.9 ± 2.5 pg | 28.8 ± 2.5 pg | 28.8 ± 2.5 pg | 32.4 ± 2.5 pg | 32.4 ± 2.5 pg |
| | MCHC | 32.5 ± 3.0 g/dL | 325 ± 30 g/L | 34.3 ± 3.0 g/dL | 343 ± 30 g/L | 35.2 ± 3.0 g/dL | 352 ± 30 g/L |
| | RDW | 14.0 ± 3.0 % | 14.0 ± 3.0 % | 13.5 ± 3.0 % | 13.5 ± 3.0 % | 13.0 ± 3.0 % | 13.0 ± 3.0 % |
| | PLT | 70 ± 20 × 10 ³ /μL | 70 ± 20 × 10 ⁹ /L | 267 ± 40 × 10 ³ /μL | 267 ± 40 × 10 ⁹ /L | 535 ± 60 × 10 ³ /μL | 535 ± 60 × 10 ⁹ /L |
| | MPV | 8.4 ± 3.0 fL | 8.4 ± 3.0 fL | 8.2 ± 3.0 fL | 8.2 ± 3.0 fL | 8.7 ± 3.0 fL | 8.7 ± 3.0 fL |
| | Lymph | 59.0 ± 12.0 % | 59.0 ± 12.0 % | 32.2 ± 8.0 % | 32.2 ± 8.0 % | 14.5 ± 8.0 % | 14.5 ± 8.0 % |
| | Mid | 8.5 ± 8.0 % | 8.5 ± 8.0 % | 5.4 ± 5.0 % | 5.4 ± 5.0 % | 4.0 ± 3.0 % | 4.0 ± 3.0 % |
| | Gran | 32.5 ± 9.0 % | 32.5 ± 9.0 % | 62.4 ± 8.0 % | 62.4 ± 8.0 % | 81.5 ± 9.0 % | 81.5 ± 9.0 % |
| | Lymph# | 1.1 ± 0.3 × 10 ³ /μL | 1.1 ± 0.3 × 10 ⁹ /L | 2.4 ± 0.6 × 10 ³ /μL | 2.4 ± 0.6 × 10 ⁹ /L | 2.9 ± 1.6 × 10 ³ /μL | 2.9 ± 1.6 × 10 ⁹ /L |
| | Mid# | 0.2 ± 0.2 × 10 ³ /μL | 0.2 ± 0.2 × 10 ⁹ /L | 0.4 ± 0.4 × 10 ³ /μL | 0.4 ± 0.4 × 10 ⁹ /L | 0.8 ± 0.6 × 10 ³ /μL | 0.8 ± 0.6 × 10 ⁹ /L |
| | Gran# | 0.6 ± 0.2 × 10 ³ /μL | 0.6 ± 0.2 × 10 ⁹ /L | 4.7 ± 0.4 × 10 ³ /μL | 4.7 ± 0.4 × 10 ⁹ /L | 16.5 ± 1.9 × 10 ³ /μL | 16.5 ± 1.9 × 10 ⁹ /L |
| | BC-3600 CD version lower than 1.8 and/or manufacture date before March of 2015 | WBC | 2.0 ± 0.5 × 10 ³ /μL | 2.0 ± 0.5 × 10 ⁹ /L | 7.7 ± 1.0 × 10 ³ /μL | 7.7 ± 1.0 × 10 ⁹ /L | 20.9 ± 2.5 × 10 ³ /μL |
| RBC | | 2.34 ± 0.18 × 10 ⁶ /μL | 2.34 ± 0.18 × 10 ¹² /L | 4.78 ± 0.24 × 10 ⁶ /μL | 4.78 ± 0.24 × 10 ¹² /L | 5.98 ± 0.30 × 10 ⁶ /μL | 5.98 ± 0.30 × 10 ¹² /L |
| HGB | | 6.1 ± 0.4 g/dL | 61 ± 4 g/L | 13.8 ± 0.6 g/dL | 138 ± 6 g/L | 19.1 ± 0.8 g/dL | 191 ± 8 g/L |
| HCT | | 18.1 ± 1.5 % | 18.1 ± 1.5 % | 40.4 ± 2.0 % | 40.4 ± 2.0 % | 55.3 ± 2.4 % | 55.3 ± 2.4 % |
| MCV | | 77.5 ± 5.0 fL | 77.5 ± 5.0 fL | 84.5 ± 5.0 fL | 84.5 ± 5.0 fL | 92.5 ± 5.0 fL | 92.5 ± 5.0 fL |
| MCH | | 26.1 ± 2.5 pg | 26.1 ± 2.5 pg | 28.9 ± 2.5 pg | 28.9 ± 2.5 pg | 31.9 ± 2.5 pg | 31.9 ± 2.5 pg |
| MCHC | | 33.6 ± 3.0 g/dL | 336 ± 30 g/L | 34.2 ± 3.0 g/dL | 342 ± 30 g/L | 34.5 ± 3.0 g/dL | 345 ± 30 g/L |
| RDW-CV | | 16.0 ± 3.0 % | 16.0 ± 3.0 % | 15.0 ± 3.0 % | 15.0 ± 3.0 % | 14.0 ± 3.0 % | 14.0 ± 3.0 % |
| RDW-SD | | 34.0 ± 8.0 fL | 34.0 ± 8.0 fL | 39.0 ± 8.0 fL | 39.0 ± 8.0 fL | 42.0 ± 8.0 fL | 42.0 ± 8.0 fL |
| PLT | | 70 ± 20 × 10 ³ /μL | 70 ± 20 × 10 ⁹ /L | 270 ± 40 × 10 ³ /μL | 270 ± 40 × 10 ⁹ /L | 545 ± 60 × 10 ³ /μL | 545 ± 60 × 10 ⁹ /L |
| MPV | | 9.7 ± 3.0 fL | 9.7 ± 3.0 fL | 9.4 ± 3.0 fL | 9.4 ± 3.0 fL | 10.0 ± 3.0 fL | 10.0 ± 3.0 fL |
| *PCT | | 0.070 ± 0.050 % | 0.070 ± 0.050 % | 0.260 ± 0.100 % | 0.260 ± 0.100 % | 0.560 ± 0.200 % | 0.560 ± 0.200 % |
| *PDW | | 15.3 ± 3.0 | 15.3 ± 3.0 | 15.6 ± 3.0 | 15.6 ± 3.0 | 16.0 ± 3.0 | 16.0 ± 3.0 |
| *P-LCC | | 26 ± 10 × 10 ³ /μL | 26 ± 10 × 10 ⁹ /L | 90 ± 22 × 10 ³ /μL | 90 ± 22 × 10 ⁹ /L | 206 ± 30 × 10 ³ /μL | 206 ± 30 × 10 ⁹ /L |
| *P-LCR | | 35.0 ± 9.0 % | 35.0 ± 9.0 % | 33.0 ± 9.0 % | 33.0 ± 9.0 % | 38.0 ± 9.0 % | 38.0 ± 9.0 % |
| Lymph | | 58.5 ± 9.0 % | 58.5 ± 9.0 % | 31.5 ± 8.0 % | 31.5 ± 8.0 % | 14.5 ± 8.0 % | 14.5 ± 8.0 % |
| Mid | | 10.5 ± 8.0 % | 10.5 ± 8.0 % | 7.0 ± 6.0 % | 7.0 ± 6.0 % | 5.5 ± 4.0 % | 5.5 ± 4.0 % |
| Gran | 31.0 ± 8.0 % | 31.0 ± 8.0 % | 61.5 ± 8.0 % | 61.5 ± 8.0 % | 80.0 ± 9.0 % | 80.0 ± 9.0 % | |
| Lymph# | 1.2 ± 0.2 × 10 ³ /μL | 1.2 ± 0.2 × 10 ⁹ /L | 2.4 ± 0.7 × 10 ³ /μL | 2.4 ± 0.7 × 10 ⁹ /L | 3.0 ± 1.7 × 10 ³ /μL | 3.0 ± 1.7 × 10 ⁹ /L | |
| Mid# | 0.2 ± 0.2 × 10 ³ /μL | 0.2 ± 0.2 × 10 ⁹ /L | 0.5 ± 0.5 × 10 ³ /μL | 0.5 ± 0.5 × 10 ⁹ /L | 1.1 ± 0.8 × 10 ³ /μL | 1.1 ± 0.8 × 10 ⁹ /L | |
| Gran# | 0.6 ± 0.2 × 10 ³ /μL | 0.6 ± 0.2 × 10 ⁹ /L | 4.7 ± 0.7 × 10 ³ /μL | 4.7 ± 0.7 × 10 ⁹ /L | 16.7 ± 1.9 × 10 ³ /μL | 16.7 ± 1.9 × 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 B0518



2018-08-05

| Instrument | Parameter | Low | | Normal | | High | |
|------------|-----------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| | | LOT B0518L | | LOT B0518N | | LOT B0518H | |
| | | The U.S. Units | The International Units | The U.S. Units | The International Units | The U.S. Units | The International Units |
| BC-3200 | WBC | 2.0 ± 0.5 × 10 ³ /μL | 2.0 ± 0.5 × 10 ⁹ /L | 8.0 ± 1.0 × 10 ³ /μL | 8.0 ± 1.0 × 10 ⁹ /L | 21.4 ± 2.5 × 10 ³ /μL | 21.4 ± 2.5 × 10 ⁹ /L |
| | RBC | 2.31 ± 0.18 × 10 ⁶ /μL | 2.31 ± 0.18 × 10 ¹² /L | 4.66 ± 0.24 × 10 ⁶ /μL | 4.66 ± 0.24 × 10 ¹² /L | 5.85 ± 0.30 × 10 ⁶ /μL | 5.85 ± 0.30 × 10 ¹² /L |
| | HGB | 5.9 ± 0.4 g/dL | 59 ± 4 g/L | 13.7 ± 0.6 g/dL | 137 ± 6 g/L | 19.0 ± 0.8 g/dL | 190 ± 8 g/L |
| | HCT | 17.8 ± 1.5 % | 17.8 ± 1.5 % | 40.3 ± 2.0 % | 40.3 ± 2.0 % | 55.9 ± 2.4 % | 55.9 ± 2.4 % |
| | MCV | 77.0 ± 5.0 fL | 77.0 ± 5.0 fL | 86.5 ± 5.0 fL | 86.5 ± 5.0 fL | 95.5 ± 5.0 fL | 95.5 ± 5.0 fL |
| | MCH | 25.5 ± 2.5 pg | 25.5 ± 2.5 pg | 29.4 ± 2.5 pg | 29.4 ± 2.5 pg | 32.5 ± 2.5 pg | 32.5 ± 2.5 pg |
| | MCHC | 33.2 ± 3.0 g/dL | 332 ± 30 g/L | 34.0 ± 3.0 g/dL | 340 ± 30 g/L | 34.0 ± 3.0 g/dL | 340 ± 30 g/L |
| | *RDW | 14.0 ± 3.0 % | 14.0 ± 3.0 % | 13.5 ± 3.0 % | 13.5 ± 3.0 % | 13.0 ± 3.0 % | 13.0 ± 3.0 % |
| | PLT | 80 ± 20 × 10 ³ /μL | 80 ± 20 × 10 ⁹ /L | 268 ± 40 × 10 ³ /μL | 268 ± 40 × 10 ⁹ /L | 509 ± 60 × 10 ³ /μL | 509 ± 60 × 10 ⁹ /L |
| | *MPV | 8.5 ± 3.0 fL | 8.5 ± 3.0 fL | 8.0 ± 3.0 fL | 8.0 ± 3.0 fL | 8.3 ± 3.0 fL | 8.3 ± 3.0 fL |
| | Lymph | 53.0 ± 12.0 % | 53.0 ± 12.0 % | 27.5 ± 8.0 % | 27.5 ± 8.0 % | 14.2 ± 6.0 % | 14.2 ± 6.0 % |
| | *Mid | 13.0 ± 9.0 % | 13.0 ± 9.0 % | 9.0 ± 7.0 % | 9.0 ± 7.0 % | 5.2 ± 4.0 % | 5.2 ± 4.0 % |
| | Gran | 34.0 ± 10.0 % | 34.0 ± 10.0 % | 63.5 ± 8.0 % | 63.5 ± 8.0 % | 80.6 ± 8.0 % | 80.6 ± 8.0 % |
| | Lymph# | 1.1 ± 0.3 × 10 ³ /μL | 1.1 ± 0.3 × 10 ⁹ /L | 2.2 ± 0.7 × 10 ³ /μL | 2.2 ± 0.7 × 10 ⁹ /L | 3.0 ± 1.3 × 10 ³ /μL | 3.0 ± 1.3 × 10 ⁹ /L |
| | *Mid# | 0.3 ± 0.3 × 10 ³ /μL | 0.3 ± 0.3 × 10 ⁹ /L | 0.7 ± 0.6 × 10 ³ /μL | 0.7 ± 0.6 × 10 ⁹ /L | 1.1 ± 0.9 × 10 ³ /μL | 1.1 ± 0.9 × 10 ⁹ /L |
| | Gran# | 0.7 ± 0.3 × 10 ³ /μL | 0.7 ± 0.3 × 10 ⁹ /L | 5.1 ± 0.7 × 10 ³ /μL | 5.1 ± 0.7 × 10 ⁹ /L | 17.2 ± 1.8 × 10 ³ /μL | 17.2 ± 1.8 × 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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