

BC-5D

HEMATOLOGY CONTROLS

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| CONTROL |
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ASSAY VALUES AND EXPECTED RANGES

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| LOT |
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BC1611**2017-01-10**

| Instrument | Parameter | Low | | Normal | | High | | + |
|-------------------------|----------------------------|-----|---------------|--------|---------------|------|---------------|---|
| | | LOT | BC1611L | LOT | BC1611N | LOT | BC1611H | |
| BC-5800, BC-5600 | WBC x 10 ⁹ /L | | 3.60 ± 0.50 | | 7.95 ± 1.00 | | 18.10 ± 2.50 | |
| QC Mode | Neu x 10 ⁹ /L | | 1.80 ± 0.35 | | 4.33 ± 0.65 | | 11.40 ± 1.45 | |
| | Lym x 10 ⁹ /L | | 1.33 ± 0.35 | | 2.42 ± 0.65 | | 3.80 ± 1.30 | |
| | Mon x 10 ⁹ /L | | 0.27 ± 0.22 | | 0.60 ± 0.40 | | 1.09 ± 0.95 | |
| | Eos x 10 ⁹ /L | | 0.16 ± 0.15 | | 0.52 ± 0.40 | | 1.63 ± 1.30 | |
| | Bas x 10 ⁹ /L | | 0.04 ± 0.04 | | 0.08 ± 0.08 | | 0.18 ± 0.18 | |
| | Neu % | | 50.0 ± 9.0 | | 54.5 ± 8.0 | | 63.0 ± 8.0 | |
| | Lym % | | 37.0 ± 9.0 | | 30.5 ± 8.0 | | 21.0 ± 7.0 | |
| | Mon % | | 7.5 ± 6.0 | | 7.5 ± 5.0 | | 6.0 ± 5.0 | |
| | Eos % | | 4.5 ± 4.0 | | 6.5 ± 5.0 | | 9.0 ± 7.0 | |
| | Bas % | | 1.0 ± 1.0 | | 1.0 ± 1.0 | | 1.0 ± 1.0 | |
| | RBC x 10 ¹² /L | | 2.47 ± 0.18 | | 4.85 ± 0.24 | | 5.29 ± 0.30 | |
| | HGB g/L | | 62 ± 4 | | 136 ± 6 | | 165 ± 8 | |
| | HCT % | | 18.9 ± 1.5 | | 41.2 ± 2.0 | | 50.0 ± 2.4 | |
| | MCV fL | | 76.5 ± 5.0 | | 85.0 ± 5.0 | | 94.5 ± 5.0 | |
| | MCH pg | | 25.1 ± 2.5 | | 28.0 ± 2.5 | | 31.2 ± 2.5 | |
| | MCHC g/L | | 328 ± 30 | | 330 ± 30 | | 330 ± 30 | |
| | RDW-CV % | | 15.0 ± 3.0 | | 14.5 ± 3.0 | | 13.0 ± 3.0 | |
| | RDW-SD fL | | 43.5 ± 8.0 | | 46.0 ± 8.0 | | 46.5 ± 8.0 | |
| | PLT x 10 ⁹ /L | | 52 ± 20 | | 256 ± 40 | | 500 ± 60 | |
| | MPV fL | | 7.4 ± 3.0 | | 8.2 ± 3.0 | | 8.6 ± 3.0 | |
| | PCT % * | | 0.050 ± 0.050 | | 0.210 ± 0.100 | | 0.420 ± 0.200 | |
| | PDW fL * | | 16.6 ± 3.0 | | 16.0 ± 3.0 | | 16.1 ± 3.0 | |
| | P-LCC x 10 ⁹ /L | | 15 ± 15 | | 60 ± 25 | | 127 ± 35 | |
| | P-LCR % | | 18.5 ± 10.0 | | 23.0 ± 10.0 | | 25.0 ± 10.0 | |
| BC-5500, BC-5200 | WBC 10 ⁹ /L | | 3.55 ± 0.50 | | 7.80 ± 1.00 | | 17.65 ± 2.50 | |
| QC Mode | Neu x 10 ⁹ /L | | 1.69 ± 0.35 | | 4.21 ± 0.65 | | 10.94 ± 1.45 | |
| | Lym x 10 ⁹ /L | | 1.37 ± 0.35 | | 2.42 ± 0.65 | | 3.79 ± 1.25 | |
| | Mon x 10 ⁹ /L | | 0.30 ± 0.22 | | 0.62 ± 0.50 | | 1.15 ± 0.90 | |
| | Eos x 10 ⁹ /L | | 0.16 ± 0.15 | | 0.47 ± 0.40 | | 1.59 ± 1.25 | |
| | Bas x 10 ⁹ /L | | 0.04 ± 0.04 | | 0.08 ± 0.08 | | 0.18 ± 0.18 | |
| | Neu % | | 47.5 ± 9.0 | | 54.0 ± 8.0 | | 62.0 ± 8.0 | |
| | Lym % | | 38.5 ± 9.0 | | 31.0 ± 8.0 | | 21.5 ± 7.0 | |
| | Mon % | | 8.5 ± 6.0 | | 8.0 ± 6.0 | | 6.5 ± 5.0 | |
| | Eos % | | 4.5 ± 4.0 | | 6.0 ± 5.0 | | 9.0 ± 7.0 | |
| | Bas % | | 1.0 ± 1.0 | | 1.0 ± 1.0 | | 1.0 ± 1.0 | |
| | RBC x 10 ¹² /L | | 2.48 ± 0.18 | | 4.79 ± 0.24 | | 5.23 ± 0.30 | |
| | HGB g/L | | 63 ± 4 | | 138 ± 6 | | 167 ± 8 | |
| | HCT % | | 18.1 ± 1.5 | | 39.0 ± 2.0 | | 47.6 ± 2.4 | |
| | MCV fL | | 73.0 ± 5.0 | | 81.5 ± 5.0 | | 91.0 ± 5.0 | |
| | MCH pg | | 25.4 ± 2.5 | | 28.8 ± 2.5 | | 31.9 ± 2.5 | |
| | MCHC g/L | | 348 ± 30 | | 353 ± 30 | | 351 ± 30 | |
| | RDW-CV % | | 12.5 ± 3.0 | | 12.4 ± 3.0 | | 11.5 ± 3.0 | |
| | RDW-SD fL | | 30.0 ± 8.0 | | 34.0 ± 8.0 | | 36.0 ± 8.0 | |
| | PLT x 10 ⁹ /L | | 53 ± 20 | | 250 ± 40 | | 490 ± 60 | |
| | MPV fL | | 8.1 ± 3.0 | | 9.1 ± 3.0 | | 9.5 ± 3.0 | |
| | PCT % * | | 0.050 ± 0.050 | | 0.230 ± 0.100 | | 0.450 ± 0.200 | |
| | PDW fL * | | 16.6 ± 3.0 | | 16.0 ± 3.0 | | 16.1 ± 3.0 | |

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ASSAY VALUES AND EXPECTED RANGES

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BC1611**2017-01-10**

| Instrument | Parameter | Low | | Normal | | High | | ++ |
|-------------------------------|-------------------|-----|---------------|--------|---------------|------|---------------|----|
| | | LOT | BC1611L | LOT | BC1611N | LOT | BC1611H | |
| BC-5300, BC-5100 | WBC $10^9/L$ | | 3.45 ± 0.50 | | 7.75 ± 1.00 | | 17.58 ± 2.50 | |
| BC-5380, BC-5180 | Neu x $10^9/L$ | | 1.74 ± 0.35 | | 4.40 ± 0.65 | | 11.34 ± 1.45 | |
| QC Mode | Lym x $10^9/L$ | | 1.31 ± 0.35 | | 2.30 ± 0.65 | | 3.52 ± 1.45 | |
| | Mon x $10^9/L$ | | 0.23 ± 0.17 | | 0.50 ± 0.40 | | 1.14 ± 0.90 | |
| | Eos x $10^9/L$ | | 0.16 ± 0.14 | | 0.54 ± 0.40 | | 1.58 ± 1.25 | |
| | Bas x $10^9/L$ | | 1.57 ± 0.35 | | 4.69 ± 0.80 | | 13.01 ± 1.80 | |
| | Neu % | | 50.5 ± 9.0 | | 56.8 ± 8.0 | | 64.5 ± 8.0 | |
| | Lym % | | 38.0 ± 9.0 | | 29.7 ± 8.0 | | 20.0 ± 8.0 | |
| | Mon % | | 6.8 ± 5.0 | | 6.5 ± 5.0 | | 6.5 ± 5.0 | |
| | Eos % | | 4.7 ± 4.0 | | 7.0 ± 5.0 | | 9.0 ± 7.0 | |
| | Bas % | | 45.4 ± 10.0 | | 60.5 ± 10.0 | | 74.0 ± 10.0 | |
| | RBC x $10^{12}/L$ | | 2.42 ± 0.18 | | 4.81 ± 0.24 | | 5.22 ± 0.30 | |
| | HGB g/L | | 62 ± 4 | | 137 ± 6 | | 165 ± 8 | |
| | HCT % | | 19.3 ± 1.5 | | 42.5 ± 2.0 | | 51.3 ± 2.4 | |
| | MCV fL | | 79.8 ± 5.0 | | 88.3 ± 5.0 | | 98.3 ± 5.0 | |
| | MCH pg | | 25.6 ± 2.5 | | 28.5 ± 2.5 | | 31.6 ± 2.5 | |
| | MCHC g/L | | 321 ± 30 | | 323 ± 30 | | 322 ± 30 | |
| | RDW-CV % | | 15.3 ± 3.0 | | 14.8 ± 3.0 | | 13.8 ± 3.0 | |
| | RDW-SD fL | | 53.0 ± 8.0 | | 56.0 ± 8.0 | | 58.5 ± 8.0 | |
| | PLT x $10^9/L$ | | 49 ± 20 | | 250 ± 40 | | 485 ± 60 | |
| | MPV fL | | 8.4 ± 3.0 | | 8.7 ± 3.0 | | 8.9 ± 3.0 | |
| | PCT % * | | 0.050 ± 0.050 | | 0.220 ± 0.100 | | 0.430 ± 0.200 | |
| | PDW fL * | | 16.2 ± 3.0 | | 16.1 ± 3.0 | | 16.2 ± 3.0 | |
| BC-5300Vet, BC-5100Vet | WBC $10^9/L$ | | 3.45 ± 0.50 | | 7.75 ± 1.00 | | 17.58 ± 2.50 | |
| QC Mode | Neu x $10^9/L$ | | 1.74 ± 0.35 | | 4.40 ± 0.65 | | 11.34 ± 1.45 | |
| | Lym x $10^9/L$ | | 1.31 ± 0.35 | | 2.30 ± 0.65 | | 3.52 ± 1.45 | |
| | Mon x $10^9/L$ | | 0.23 ± 0.17 | | 0.50 ± 0.40 | | 1.14 ± 0.90 | |
| | Eos x $10^9/L$ | | 0.16 ± 0.14 | | 0.54 ± 0.40 | | 1.58 ± 1.25 | |
| | Neu % | | 50.5 ± 9.0 | | 56.8 ± 8.0 | | 64.5 ± 8.0 | |
| | Lym % | | 38.0 ± 9.0 | | 29.7 ± 8.0 | | 20.0 ± 8.0 | |
| | Mon % | | 6.8 ± 5.0 | | 6.5 ± 5.0 | | 6.5 ± 5.0 | |
| | Eos % | | 4.7 ± 4.0 | | 7.0 ± 5.0 | | 9.0 ± 7.0 | |
| | RBC x $10^{12}/L$ | | 2.42 ± 0.18 | | 4.81 ± 0.24 | | 5.22 ± 0.30 | |
| | HGB g/L | | 62 ± 4 | | 137 ± 6 | | 165 ± 8 | |
| | HCT % | | 19.3 ± 1.5 | | 42.5 ± 2.0 | | 51.3 ± 2.4 | |
| | MCV fL | | 79.8 ± 5.0 | | 88.3 ± 5.0 | | 98.3 ± 5.0 | |
| | MCH pg | | 25.6 ± 2.5 | | 28.5 ± 2.5 | | 31.6 ± 2.5 | |
| | MCHC g/L | | 321 ± 30 | | 323 ± 30 | | 322 ± 30 | |
| | RDW-CV % | | 15.3 ± 3.0 | | 14.8 ± 3.0 | | 13.8 ± 3.0 | |
| | RDW-SD fL | | 53.0 ± 8.0 | | 56.0 ± 8.0 | | 58.5 ± 8.0 | |
| | PLT x $10^9/L$ | | 49 ± 20 | | 250 ± 40 | | 485 ± 60 | |
| | MPV fL | | 8.4 ± 3.0 | | 8.7 ± 3.0 | | 8.9 ± 3.0 | |
| | PCT % * | | 0.050 ± 0.050 | | 0.220 ± 0.100 | | 0.430 ± 0.200 | |
| | PDW fL * | | 16.2 ± 3.0 | | 16.1 ± 3.0 | | 16.2 ± 3.0 | |

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ASSAY VALUES AND EXPECTED RANGES

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BC1611**2017-01-10**

| Instrument | Parameter | Low | | Normal | | High | | +++ |
|------------------|---------------------|-----|---------------|--------|---------------|------|---------------|-----|
| | | LOT | BC1611L | LOT | BC1611N | LOT | BC1611H | |
| BC-5000, BC-5150 | WBC $10^9/L$ | | 3.50 ± 0.50 | | 7.65 ± 1.00 | | 17.35 ± 2.50 | |
| BC-5000Vet | Neu x $10^9/L$ | | 1.61 ± 0.45 | | 3.99 ± 0.95 | | 10.48 ± 2.10 | |
| QC Mode | Lym x $10^9/L$ | | 1.32 ± 0.35 | | 2.22 ± 0.65 | | 3.31 ± 1.25 | |
| | Mon x $10^9/L$ | | 0.39 ± 0.39 | | 0.84 ± 0.84 | | 1.82 ± 1.82 | |
| | Eos x $10^9/L$ | | 0.15 ± 0.15 | | 0.51 ± 0.51 | | 1.47 ± 1.47 | |
| | Bas x $10^9/L$ | | 0.02 ± 0.02 | | 0.09 ± 0.09 | | 0.26 ± 0.26 | |
| | Neu % | | 46.1 ± 12.0 | | 52.1 ± 12.0 | | 60.4 ± 12.0 | |
| | Lym % | | 37.8 ± 9.0 | | 29.0 ± 8.0 | | 19.1 ± 7.0 | |
| | Mon % | | 11.0 ± 11.0 | | 11.0 ± 11.0 | | 10.5 ± 10.5 | |
| | Eos % | | 4.4 ± 4.4 | | 6.7 ± 6.7 | | 8.5 ± 8.5 | |
| | Bas % | | 0.7 ± 0.7 | | 1.2 ± 1.2 | | 1.5 ± 1.5 | |
| | RBC x $10^{12}/L$ | | 2.41 ± 0.18 | | 4.79 ± 0.24 | | 5.18 ± 0.30 | |
| | HGB g/L | | 60 ± 4 | | 135 ± 6 | | 164 ± 8 | |
| | HCT % | | 18.4 ± 1.5 | | 40.7 ± 2.0 | | 48.4 ± 2.4 | |
| | MCV fL | | 76.5 ± 5.0 | | 85.0 ± 5.0 | | 93.5 ± 5.0 | |
| | MCH pg | | 24.9 ± 2.5 | | 28.2 ± 2.5 | | 31.7 ± 2.5 | |
| | MCHC g/L | | 325 ± 30 | | 332 ± 30 | | 339 ± 30 | |
| | RDW-CV % | | 18.5 ± 3.0 | | 17.5 ± 3.0 | | 16.5 ± 3.0 | |
| | RDW-SD fL | | 52.0 ± 8.0 | | 50.5 ± 8.0 | | 57.0 ± 8.0 | |
| | PLT x $10^9/L$ | | 49 ± 20 | | 250 ± 40 | | 491 ± 60 | |
| | MPV fL | | 9.6 ± 3.0 | | 10.0 ± 3.0 | | 10.0 ± 3.0 | |
| | PCT % * | | 0.050 ± 0.050 | | 0.250 ± 0.100 | | 0.490 ± 0.200 | |
| | PDW fL * | | 16.2 ± 3.0 | | 16.0 ± 3.0 | | 16.3 ± 3.0 | |
| | P-LCC x $10^9/L$ ** | | 15 ± 15 | | 72 ± 25 | | 135 ± 35 | |
| | P-LCR % ** | | 28.0 ± 10.0 | | 28.0 ± 10.0 | | 27.5 ± 10.0 | |

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** These parameters are not provided on BC-5000/BC-5000 Vet analyzers

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