



CBC 3D Hematology Control

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

QCP DATA MONTHS: **May, June, July**

LOT B055



2015-08-05

| Instrument | Parameter | Low | | Normal | | High | | |
|------------|---------------------------|------------|--------------|------------|-------------|------------|-------------|---|
| | | LOT | B055L | LOT | B055N | LOT | B055H | |
| Arcus pro | WBC × 10 ³ /μL | | 2.2 ± 0.5 | | 8.1 ± 1.2 | | 20.7 ± 2.4 | + |
| | RBC × 10 ⁶ /μL | | 2.65 ± 0.25 | | 4.80 ± 0.30 | | 5.78 ± 0.35 | |
| | HGB g/dL | | 6.2 ± 0.6 | | 13.6 ± 0.8 | | 18.5 ± 1.2 | |
| | HCT % | | 19.3 ± 2.0 | | 41.8 ± 2.4 | | 54.9 ± 3.0 | |
| | MCV fL | | 73 ± 5 | | 87 ± 5 | | 95 ± 5 | |
| | MCH pg | | 23.4 ± 2.4 | | 28.3 ± 2.8 | | 32.0 ± 2.8 | |
| | MCHC g/dL | | 32.1 ± 3.0 | | 32.5 ± 3.0 | | 33.7 ± 3.0 | |
| | RDW-CV % | | 16.7 ± 5.0 | | 15.8 ± 5.0 | | 14.7 ± 5.0 | |
| | RDW-SD fL | | 54.6 ± 10.0 | | 60.9 ± 10.0 | | 61.9 ± 10.0 | |
| | PLT × 10 ³ /μL | | 59 ± 30 | | 266 ± 50 | | 550 ± 60 | |
| | MPV fL | | 9.8 ± 3.0 | | 10.0 ± 3.0 | | 10.4 ± 3.0 | |
| | PCT % | | 0.06 ± 0.02 | | 0.27 ± 0.02 | | 0.57 ± 0.04 | |
| | PDW-CV % | | 39.3 ± 11.2 | | 39.7 ± 10.0 | | 40.3 ± 10.0 | |
| | PDW-SD fL | | 15.1 ± 12.12 | | 15.2 ± 5.0 | | 15.8 ± 5.0 | |
| | LYM % | | 54.5 ± 8.0 | | 28.4 ± 7.0 | | 14.0 ± 5.0 | |
| | MID % | | 13.6 ± 6.0 | | 9.9 ± 5.0 | | 7.2 ± 4.0 | |
| | GRA % | | 31.9 ± 7.0 | | 61.7 ± 8.0 | | 78.8 ± 8.0 | |
| | LYM × 10 ³ /μL | | 1.2 ± 0.2 | | 2.3 ± 0.6 | | 2.9 ± 1.1 | |
| | MID × 10 ³ /μL | | 0.3 ± 0.2 | | 0.8 ± 0.5 | | 1.5 ± 0.9 | |
| | GRA × 10 ³ /μL | | 0.7 ± 0.2 | | 5.0 ± 0.7 | | 16.3 ± 1.7 | |

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Hungary

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| | | LOT | B055L | LOT | B055N | LOT | B055H | |
| Arcus | WBC × 10 ³ /μL | | 2.2 ± 0.5 | | 8.0 ± 1.2 | | 20.4 ± 2.4 | +++ |
| | RBC × 10 ⁶ /μL | | 2.65 ± 0.25 | | 4.87 ± 0.30 | | 5.82 ± 0.35 | |
| | HGB g/dL | | 6.3 ± 0.6 | | 13.6 ± 0.8 | | 18.3 ± 1.2 | |
| | HCT % | | 19.3 ± 2.0 | | 42.4 ± 2.4 | | 55.3 ± 3.0 | |
| | MCV fL | | 73 ± 5 | | 87 ± 5 | | 95 ± 5 | |
| | MCH pg | | 23.8 ± 2.4 | | 27.9 ± 2.8 | | 31.4 ± 2.8 | |
| | MCHC g/dL | | 32.6 ± 3.0 | | 32.1 ± 3.0 | | 33.1 ± 3.0 | |
| | RDW-CV % | | 17.6 ± 5.0 | | 16.7 ± 5.0 | | 15.1 ± 5.0 | |
| | RDW-SD fL | | 49.8 ± 10.0 | | 56.1 ± 10.0 | | 55.4 ± 10.0 | |
| | PLT × 10 ³ /μL | | 64 ± 30 | | 263 ± 50 | | 527 ± 60 | |
| | MPV fL | | 9.9 ± 3.0 | | 10.0 ± 3.0 | | 10.4 ± 3.0 | |
| | PCT % | | 0.06 ± 0.02 | | 0.26 ± 0.02 | | 0.55 ± 0.04 | |
| | PDW-CV % | | 39.0 ± 11.2 | | 39.8 ± 10.0 | | 40.2 ± 10.0 | |
| | PDW-SD fL | | 14.7 ± 12.12 | | 15.1 ± 5.0 | | 15.7 ± 5.0 | |
| | LYM % | | 54.5 ± 8.0 | | 28.8 ± 7.0 | | 13.7 ± 5.0 | |
| | MID % | | 13.6 ± 6.0 | | 8.8 ± 5.0 | | 6.4 ± 4.0 | |
| | GRA % | | 31.9 ± 7.0 | | 62.4 ± 8.0 | | 79.9 ± 8.0 | |
| | LYM × 10 ³ /μL | | 1.2 ± 0.2 | | 2.3 ± 0.6 | | 2.8 ± 1.1 | |
| | MID × 10 ³ /μL | | 0.3 ± 0.2 | | 0.7 ± 0.5 | | 1.3 ± 0.9 | |
| | GRA × 10 ³ /μL | | 0.7 ± 0.2 | | 5.0 ± 0.7 | | 16.3 ± 1.7 | |

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| Instrument | Parameter | Low | | Normal | | High | | |
|------------------|---------------------------|-----|-------------|--------|-------------|------|-------------|------|
| | | LOT | B055L | LOT | B055N | LOT | B055H | |
| Arcus pro | WBC × 10 ³ /μL | | 2.1 ± 0.5 | | 7.9 ± 1.2 | | 21.3 ± 2.4 | ++++ |
| Basic | RBC × 10 ⁶ /μL | | 2.44 ± 0.25 | | 4.73 ± 0.30 | | 5.83 ± 0.35 | |
| | HGB g/dL | | 6.1 ± 0.6 | | 13.6 ± 0.8 | | 18.7 ± 1.2 | |
| | HCT % | | 17.3 ± 2.0 | | 40.2 ± 2.4 | | 54.2 ± 3.0 | |
| | MCV fL | | 71 ± 5 | | 85 ± 5 | | 93 ± 5 | |
| | MCH pg | | 25.0 ± 2.4 | | 28.8 ± 2.8 | | 32.1 ± 2.8 | |
| | MCHC g/dL | | 35.3 ± 3.0 | | 33.8 ± 3.0 | | 34.5 ± 3.0 | |
| | RDW-CV % | | 13.9 ± 5.0 | | 14.5 ± 5.0 | | 13.6 ± 5.0 | |
| | PLT × 10 ³ /μL | | 51 ± 30 | | 255 ± 50 | | 551 ± 60 | |
| | MPV fL | | 10.1 ± 3.0 | | 9.9 ± 3.0 | | 10.4 ± 3.0 | |
| | PCT % | | 0.05 ± 0.02 | | 0.25 ± 0.02 | | 0.57 ± 0.04 | |
| | PDW-CV % | | 48.8 ± 11.2 | | 38.8 ± 10.0 | | 31.4 ± 10.0 | |

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ASSAY VALUES AND EXPECTED RANGES

 QCP DATA MONTHS: **MAY, JUNE, JULY**
LOT B055

2015-08-05

| Instrument | Parameter | Low | | Normal | | High | | |
|-----------------|---------------------------|-----|-------------|--------|-------------|------|-------------|---|
| | | LOT | B055L | LOT | B055N | LOT | B055H | |
| Abacus 3 | WBC × 10 ³ /μL | | 2.2 ± 0.5 | | 8.2 ± 1.2 | | 21.5 ± 2.4 | + |
| | RBC × 10 ⁶ /μL | | 2.53 ± 0.25 | | 4.86 ± 0.30 | | 5.90 ± 0.35 | |
| | HGB g/dL | | 6.1 ± 0.6 | | 13.7 ± 0.8 | | 18.9 ± 1.2 | |
| | HCT % | | 18.7 ± 2.0 | | 42.3 ± 2.4 | | 56.6 ± 3.0 | |
| | MCV fL | | 74 ± 5 | | 87 ± 5 | | 96 ± 5 | |
| | MCH pg | | 24.1 ± 2.4 | | 28.2 ± 2.8 | | 32.0 ± 2.8 | |
| | MCHC g/dL | | 32.6 ± 3.0 | | 32.4 ± 3.0 | | 33.4 ± 3.0 | |
| | RDW-CV % | | 17.3 ± 5.0 | | 16.8 ± 5.0 | | 15.4 ± 5.0 | |
| | RDW-SD fL | | 52.8 ± 10.0 | | 60.2 ± 10.0 | | 60.2 ± 10.0 | |
| | PLT × 10 ³ /μL | | 58 ± 30 | | 248 ± 50 | | 486 ± 60 | |
| | MPV fL | | 9.9 ± 3.0 | | 9.8 ± 3.0 | | 9.9 ± 3.0 | |
| | PCT % | | 0.06 ± 0.02 | | 0.24 ± 0.02 | | 0.48 ± 0.04 | |
| | PDW-CV % | | 39.8 ± 10.0 | | 39.8 ± 10.0 | | 39.8 ± 10.0 | |
| | PDW-SD fL | | 15.2 ± 5.0 | | 14.8 ± 5.0 | | 14.9 ± 5.0 | |
| | LYM % | | 52.2 ± 8.0 | | 27.1 ± 7.0 | | 12.5 ± 5.0 | |
| | MID % | | 13.0 ± 6.0 | | 8.2 ± 5.0 | | 5.8 ± 4.0 | |
| | GRA % | | 34.8 ± 7.0 | | 64.7 ± 8.0 | | 81.7 ± 8.0 | |
| | LYM × 10 ³ /μL | | 1.1 ± 0.2 | | 2.2 ± 0.6 | | 2.7 ± 1.1 | |
| | MID × 10 ³ /μL | | 0.3 ± 0.2 | | 0.7 ± 0.5 | | 1.2 ± 0.9 | |
| | GRA × 10 ³ /μL | | 0.8 ± 0.2 | | 5.3 ± 0.7 | | 17.6 ± 1.7 | |

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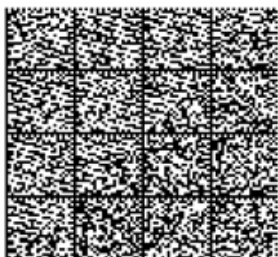
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2015-08-05

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|---------------------------|---------------------------|-----------|-------------|-----------|-------------|------------|-------------|------|
| | | LOT | B055L | LOT | B055N | LOT | B055H | |
| Abacus 380 | WBC × 10 ³ /μL | | 2.1 ± 0.5 | | 7.9 ± 1.2 | | 21.8 ± 2.4 | ++++ |
| | RBC × 10 ⁶ /μL | | 2.39 ± 0.25 | | 4.64 ± 0.30 | | 5.88 ± 0.35 | |
| | HGB g/dL | | 6.1 ± 0.6 | | 13.5 ± 0.8 | | 18.6 ± 1.2 | |
| | HCT % | | 18.4 ± 2.0 | | 41.3 ± 2.4 | | 57.6 ± 3.0 | |
| | MCV fL | | 77 ± 5 | | 89 ± 5 | | 98 ± 5 | |
| | MCH pg | | 25.5 ± 2.4 | | 29.1 ± 2.8 | | 31.6 ± 2.8 | |
| | MCHC g/dL | | 33.2 ± 3.0 | | 32.7 ± 3.0 | | 32.3 ± 2.8 | |
| | RDW-CV % | | 20.4 ± 5.0 | | 19.8 ± 5.0 | | 18.6 ± 5.0 | |
| | RDW-SD fL | | 59.2 ± 10.0 | | 70.4 ± 10.0 | | 76.8 ± 10.0 | |
| | PLT × 10 ³ /μL | | 64 ± 30 | | 248 ± 50 | | 485 ± 60 | |
| | MPV fL | | 9.6 ± 3.0 | | 9.5 ± 3.0 | | 10.1 ± 3.0 | |
| | PCT % | | 0.06 ± 0.02 | | 0.24 ± 0.02 | | 0.49 ± 0.04 | |
| | PDW-CV % | | 39.4 ± 10.0 | | 39.5 ± 10.0 | | 40.4 ± 10.0 | |
| | PDW-SD fL | | 14.3 ± 5.0 | | 14.1 ± 5.0 | | 15.1 ± 5.0 | |
| | LYM % | | 57.1 ± 8.0 | | 30.4 ± 7.0 | | 14.2 ± 5.0 | |
| | MID % | | 14.3 ± 6.0 | | 8.9 ± 5.0 | | 6.4 ± 4.0 | |
| | GRA % | | 28.6 ± 7.0 | | 60.7 ± 8.0 | | 79.4 ± 8.0 | |
| | LYM × 10 ³ /μL | | 1.2 ± 0.2 | | 2.4 ± 0.6 | | 3.1 ± 1.1 | |
| | MID × 10 ³ /μL | | 0.3 ± 0.2 | | 0.7 ± 0.5 | | 1.4 ± 0.9 | |
| GRA × 10 ³ /μL | | 0.6 ± 0.2 | | 4.8 ± 0.7 | | 17.3 ± 1.7 | | |

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| Instrument | Parameter | Low | | Normal | | High | | |
|-------------------|---------------------------|---|--------------|---|--------------|---|--------------|-------|
| | | LOT | B055L | LOT | B055N | LOT | B055H | |
| Abacus 3CT | WBC × 10 ³ /μL | | 2.1 ± 0.5 | | 7.6 ± 1.2 | | 19.8 ± 2.4 | +++++ |
| | RBC × 10 ⁶ /μL | | 2.35 ± 0.25 | | 4.60 ± 0.30 | | 5.80 ± 0.35 | |
| | HGB g/dL | | 6.1 ± 0.6 | | 13.6 ± 0.8 | | 18.7 ± 1.2 | |
| | HCT % | | 18.7 ± 2.0 | | 41.4 ± 2.4 | | 57.7 ± 3.0 | |
| | MCV fL | | 79.5 ± 5.0 | | 90.0 ± 5.0 | | 99.5 ± 5.0 | |
| | MCH pg | | 26.0 ± 2.4 | | 29.6 ± 2.8 | | 32.2 ± 2.8 | |
| | MCHC g/dL | | 32.7 ± 3.0 | | 32.9 ± 3.0 | | 32.4 ± 3.0 | |
| | RDW-CV % | | 17.0 ± 5.0 | | 16.0 ± 5.0 | | 15.3 ± 5.0 | |
| | RDW-SD fL | | 53.0 ± 10.0 | | 61.0 ± 10.0 | | 62.0 ± 10.0 | |
| | PLT × 10 ³ /μL | | 68 ± 30 | | 250 ± 50 | | 500 ± 60 | |
| | MPV fL | | 9.1 ± 3.0 | | 9.0 ± 3.0 | | 9.4 ± 3.0 | |
| | PCT % | | 0.06 ± 0.02 | | 0.22 ± 0.02 | | 0.47 ± 0.04 | |
| | PDW-CV % | | 37.0 ± 10.0 | | 37.0 ± 10.0 | | 37.5 ± 10.0 | |
| | PDW-SD fL | | 11.0 ± 5.0 | | 10.5 ± 5.0 | | 11.5 ± 5.0 | |
| | LYM % | | 58.7 ± 8.0 | | 32.4 ± 7.0 | | 16.5 ± 6.0 | |
| | MID % | | 12.0 ± 7.0 | | 9.0 ± 6.0 | | 6.7 ± 5.0 | |
| | GRA % | | 29.3 ± 7.0 | | 58.6 ± 8.0 | | 76.8 ± 8.0 | |
| | LYM × 10 ³ /μL | | 1.2 ± 0.2 | | 2.5 ± 0.6 | | 3.3 ± 1.2 | |
| | MID × 10 ³ /μL | | 0.3 ± 0.2 | | 0.7 ± 0.5 | | 1.3 ± 1.0 | |
| | GRA × 10 ³ /μL | | 0.6 ± 0.2 | | 4.5 ± 0.7 | | 15.2 ± 1.6 | |

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