

REF : 3734-3735-3736-3752-3753-3754-3820-3821-3822
 LOT : 194
 : 2011, February 19th

Coulter Counter Models (with III Diff. option; for ActT see separate table)

MELET MS9 NOTE : Please refer to next page for Erma Values

| Parameters | LOW | | NORMAL | | HIGH | |
|-------------------------|-------|---------|--------|---------|-------|---------|
| | Mean | Range ± | Mean | Range ± | Mean | Range ± |
| WBC 10 ⁹ /l | 2.0 | 0.4 | 7.6 | 0.8 | 20.9 | 2.0 |
| RBC 10 ¹² /l | 2.33 | 0.12 | 4.64 | 0.15 | 5.56 | 0.18 |
| Hb g/dl | 5.9 | 0.4 | 13.4 | 0.5 | 17.6 | 0.6 |
| Hb mmol/l | 3.7 | 0.3 | 8.3 | 0.3 | 10.9 | 0.4 |
| Hct % | 17.2 | 1.5 | 39.4 | 2.4 | 51.2 | 3.0 |
| Hct l/l | 0.172 | 0.015 | 0.394 | 0.024 | 0.512 | 0.030 |
| MCV fl | 74 | 4 | 85 | 4 | 92 | 4 |
| MCH pg | 25.3 | 2.4 | 28.9 | 2.8 | 31.7 | 2.8 |
| MCH fmol | 1.57 | 0.14 | 1.79 | 0.11 | 1.96 | 0.11 |
| MCHC g/dl | 34.2 | 3.0 | 34.0 | 3.0 | 34.4 | 3.0 |
| MCHC mmol/l | 21.2 | 1.8 | 21.1 | 1.8 | 21.4 | 1.8 |
| RDW % | 16.3 | 3.0 | 15.8 | 3.0 | 14.9 | 3.0 |
| Plts 10 ⁹ /l | 68 | 15 | 262 | 30 | 507 | 55 |
| MPV fl | 8.0 | 2.0 | 7.8 | 1.5 | 7.8 | 1.5 |
| PDW % | 17.9 | 2.5 | 16.9 | 2.5 | 16.8 | 2.5 |
| LYMP % | 55.8 | 6.0 | 30.4 | 4.0 | 15.3 | 4.0 |
| MONO % | 14.8 | 4.0 | 9.1 | 4.0 | 4.4 | 3.0 |
| GRAN % | 29.4 | 5.0 | 60.5 | 5.0 | 80.3 | 5.0 |
| LYMP # | 1.1 | 0.2 | 2.3 | 0.4 | 3.2 | 0.9 |
| MONO # | 0.3 | 0.3 | 0.7 | 0.7 | 0.9 | 0.9 |
| GRAN # | 0.6 | 0.2 | 4.6 | 0.4 | 16.8 | 1.1 |

ABX Roche: Micros; Bayer: Advia 60

| Parameters | LOW | | NORMAL | | HIGH | |
|-------------------------|-------|---------|--------|---------|-------|---------|
| | Mean | Range ± | Mean | Range ± | Mean | Range ± |
| WBC 10 ⁹ /l | 2.1 | 0.4 | 7.2 | 0.8 | 19.4 | 2.0 |
| RBC 10 ¹² /l | 2.34 | 0.12 | 4.60 | 0.15 | 5.55 | 0.18 |
| Hb g/dl | 5.6 | 0.4 | 13.4 | 0.5 | 17.5 | 0.6 |
| Hb mmol/l | 3.5 | 0.2 | 8.3 | 0.3 | 10.9 | 0.4 |
| Hct % | 16.0 | 1.5 | 38.0 | 2.4 | 50.5 | 3.0 |
| Hct l/l | 0.160 | 0.015 | 0.380 | 0.024 | 0.505 | 0.030 |
| MCV fl | 69 | 4 | 83 | 4 | 91 | 4 |
| MCH pg | 23.9 | 2.4 | 29.1 | 2.8 | 31.6 | 2.8 |
| MCH fmol | 1.49 | 0.14 | 1.81 | 0.11 | 1.96 | 0.11 |
| MCHC g/dl | 34.9 | 3.0 | 35.2 | 3.0 | 34.7 | 3.0 |
| MCHC mmol/l | 21.6 | 1.8 | 21.9 | 1.8 | 21.5 | 1.8 |
| RDW % | 14.9 | 3.0 | 16.2 | 3.0 | 15.3 | 3.0 |
| Plts 10 ⁹ /l | 74 | 15 | 259 | 30 | 474 | 55 |
| MPV fl | 7.6 | 2.0 | 7.4 | 1.5 | 7.3 | 1.5 |
| LYMP % | 48.3 | 5.0 | 27.0 | 4.0 | 13.9 | 4.0 |
| MONO % | 14.1 | 4.0 | 9.0 | 4.0 | 3.5 | 3.0 |
| GRAN % | 37.6 | 5.0 | 64.0 | 5.0 | 82.6 | 5.0 |
| LYMP # | 1.0 | 0.3 | 1.9 | 0.4 | 2.7 | 0.8 |
| MONO # | 0.3 | 0.1 | 0.6 | 0.3 | 0.7 | 0.6 |
| GRAN # | 0.8 | 0.2 | 4.6 | 0.6 | 16.0 | 1.2 |

Abbott Cell-Dyn: 1300, 1500, 1600, 1700, 1800 series

| Parameters | LOW | | NORMAL | | HIGH | |
|-------------------------|-------|---------|--------|---------|-------|---------|
| | Mean | Range ± | Mean | Range ± | Mean | Range ± |
| WBC 10 ⁹ /l | 2.2 | 0.4 | 7.3 | 0.8 | 18.8 | 2.0 |
| RBC 10 ¹² /l | 2.36 | 0.12 | 4.60 | 0.15 | 5.45 | 0.18 |
| Hb g/dl | 5.8 | 0.4 | 13.2 | 0.5 | 17.4 | 0.6 |
| Hb mmol/l | 3.6 | 0.2 | 8.2 | 0.3 | 10.8 | 0.4 |
| Hct % | 17.5 | 1.5 | 39.6 | 2.4 | 50.7 | 3.0 |
| Hct l/l | 0.175 | 0.015 | 0.396 | 0.024 | 0.507 | 0.030 |
| MCV fl | 74 | 4 | 86 | 4 | 93 | 4 |
| MCH pg | 24.6 | 2.4 | 28.7 | 2.8 | 31.9 | 2.8 |
| MCH fmol | 1.53 | 0.14 | 1.78 | 0.11 | 1.98 | 0.11 |
| MCHC g/dl | 33.2 | 3.0 | 33.4 | 3.0 | 34.3 | 3.0 |
| MCHC mmol/l | 20.6 | 1.8 | 20.7 | 1.8 | 21.3 | 1.8 |
| Plts 10 ⁹ /l | 64 | 15 | 257 | 30 | 494 | 55 |
| MPV fl | 8.9 | 2 | 8.3 | 1.5 | 8.0 | 1.5 |
| LYMP % | 55.8 | 5.0 | 30.4 | 4.0 | 15.3 | 4.0 |
| MID % | 14.8 | 4.0 | 9.1 | 4.0 | 4.4 | 3.0 |
| GRAN % | 29.4 | 4.0 | 60.5 | 5.0 | 80.3 | 5.0 |
| LYMP # | 1.2 | 0.3 | 2.2 | 0.4 | 2.9 | 0.8 |
| MID # | 0.3 | 0.1 | 0.7 | 0.3 | 0.8 | 0.6 |
| GRAN # | 0.6 | 0.2 | 4.4 | 0.6 | 15.1 | 1.2 |

Coulter Counter: Act diff, Act diff 2

| Parameters | LOW | | NORMAL | | HIGH | |
|-------------------------|-------|---------|--------|---------|-------|---------|
| | Mean | Range ± | Mean | Range ± | Mean | Range ± |
| WBC 10 ⁹ /l | 2.0 | 0.4 | 7.6 | 0.8 | 20.8 | 2.0 |
| RBC 10 ¹² /l | 2.33 | 0.12 | 4.64 | 0.15 | 5.56 | 0.18 |
| Hb g/dl | 5.9 | 0.4 | 13.4 | 0.5 | 17.6 | 0.6 |
| Hb mmol/l | 3.7 | 0.3 | 8.3 | 0.3 | 10.9 | 0.4 |
| Hct % | 17.2 | 1.5 | 39.9 | 2.4 | 51.7 | 3.0 |
| Hct l/l | 0.172 | 0.015 | 0.399 | 0.024 | 0.517 | 0.030 |
| MCV fl | 74 | 4 | 86 | 4 | 93 | 4 |
| MCH pg | 25.3 | 2.4 | 28.9 | 2.8 | 31.7 | 2.8 |
| MCH fmol | 1.57 | 0.10 | 1.79 | 0.11 | 1.96 | 0.12 |
| MCHC g/dl | 34.2 | 3.0 | 33.6 | 3.0 | 34.0 | 3.0 |
| MCHC mmol/l | 21.2 | 1.8 | 20.8 | 1.8 | 21.1 | 1.8 |
| RDW % | 16.3 | 3.0 | 15.8 | 3.0 | 14.9 | 3.0 |
| Plts 10 ⁹ /l | 68 | 15 | 260 | 30 | 505 | 55 |
| MPV fl | 8.0 | 2.0 | 7.8 | 1.5 | 7.8 | 1.5 |
| LYMP % | 57.5 | 6.0 | 30.0 | 4.0 | 14.0 | 4.0 |
| MONO % | 12.0 | 4.0 | 7.5 | 4.0 | 3.5 | 3.0 |
| GRAN % | 30.5 | 5.0 | 62.5 | 5.0 | 82.5 | 5.0 |
| LYMP # | 1.2 | 0.2 | 2.3 | 0.4 | 2.9 | 0.9 |
| MONO # | 0.2 | 0.1 | 0.6 | 0.4 | 0.7 | 0.6 |
| GRAN # | 0.6 | 0.2 | 4.8 | 0.4 | 17.2 | 1.1 |

Coulter Counter: Act 8, Act 10

| Parameters | LOW | | NORMAL | | HIGH | |
|------------|------|---------|--------|---------|------|---------|
| | Mean | Range ± | Mean | Range ± | Mean | Range ± |
| LYMP % | 44.0 | 6.0 | 21.5 | 4.0 | 9.0 | 4.0 |
| LYMP # | 0.9 | 0.2 | 1.6 | 0.3 | 1.9 | 0.9 |

Nihon Kohden: Celltac and MEK series (not for 5-part diff)

| Parameters | LOW | | NORMAL | | HIGH | |
|-------------------------|-------|---------|--------|---------|-------|---------|
| | Mean | Range ± | Mean | Range ± | Mean | Range ± |
| WBC 10 ⁹ /l | 2.0 | 0.4 | 7.3 | 0.8 | 19.2 | 2.0 |
| RBC 10 ¹² /l | 2.31 | 0.12 | 4.60 | 0.15 | 5.48 | 0.18 |
| Hb g/dl | 5.8 | 0.4 | 13.7 | 0.5 | 18.8 | 0.6 |
| Hb mmol/l | 3.6 | 0.2 | 8.5 | 0.3 | 11.7 | 0.4 |
| Hct % | 17.6 | 1.5 | 39.7 | 2.4 | 53.0 | 3.0 |
| Hct l/l | 0.176 | 0.015 | 0.397 | 0.024 | 0.530 | 0.030 |
| MCV fl | 76 | 4 | 86 | 4 | 97 | 4 |
| MCH pg | 25.1 | 2.4 | 29.8 | 2.8 | 34.3 | 2.8 |
| MCH fmol | 1.56 | 0.14 | 1.85 | 0.11 | 2.13 | 0.11 |
| MCHC g/dl | 33.0 | 3.0 | 34.4 | 3.0 | 35.4 | 3.0 |
| MCHC mmol/l | 20.5 | 1.8 | 21.4 | 1.8 | 22.0 | 1.8 |
| RDW % | 15.2 | 3.0 | 15.2 | 3.0 | 14.1 | 3.0 |
| Plts 10 ⁹ /l | 70 | 15 | 267 | 30 | 495 | 55 |
| MPV fl | 8.0 | 2 | 6.8 | 1.5 | 6.4 | 1.5 |
| LYMP % | 59.5 | 5.0 | 32.3 | 4.0 | 18.4 | 4.0 |
| MONO % | 16.1 | 4.0 | 9.9 | 4.0 | 4.2 | 3.0 |
| GRAN % | 24.4 | 4.0 | 57.9 | 5.0 | 77.4 | 5.0 |
| LYMP # | 1.2 | 0.3 | 2.3 | 0.4 | 3.5 | 0.8 |
| MONO # | 0.3 | 0.1 | 0.7 | 0.3 | 0.8 | 0.6 |
| GRAN # | 0.5 | 0.2 | 4.2 | 0.6 | 14.8 | 1.2 |

Danam / Drew Excel18 = MWI BT2100, Drew D3

| Parameters | LOW | | NORMAL | | HIGH | |
|-------------------------|-------|---------|--------|---------|-------|---------|
| | Mean | Range ± | Mean | Range ± | Mean | Range ± |
| WBC 10 ⁹ /l | 2.1 | 0.4 | 7.7 | 0.8 | 21.1 | 2.0 |
| RBC 10 ¹² /l | 2.44 | 0.12 | 4.56 | 0.15 | 5.44 | 0.18 |
| Hb g/dl | 5.9 | 0.4 | 13.3 | 0.5 | 17.7 | 0.6 |
| Hb mmol/l | 3.7 | 0.2 | 8.3 | 0.3 | 11.0 | 0.4 |
| Hct % | 18.0 | 1.5 | 39.2 | 2.4 | 50.8 | 3.0 |
| Hct l/l | 0.180 | 0.015 | 0.392 | 0.024 | 0.508 | 0.030 |
| MCV fl | 74 | 4 | 86 | 4 | 93 | 4 |
| MCH pg | 24.3 | 2.4 | 29.2 | 2.8 | 32.5 | 2.8 |
| MCH fmol | 1.51 | 0.14 | 1.81 | 0.11 | 2.02 | 0.11 |
| MCHC g/dl | 32.9 | 3.0 | 33.9 | 3.0 | 34.8 | 3.0 |
| MCHC mmol/l | 20.4 | 1.8 | 21.1 | 1.8 | 21.6 | 1.8 |
| RDW % | 12.3 | 3.0 | 11.9 | 3.0 | 11.9 | 3.0 |
| Plts 10 ⁹ /l | 78 | 15 | 277 | 30 | 494 | 55 |
| MPV fl | 6.7 | 2 | 7.0 | 1.5 | 7.0 | 1.5 |
| LYMP % | 48.9 | 5.0 | 24.4 | 4.0 | 11.5 | 4.0 |
| MONO % | 15.4 | 4.0 | 8.4 | 4.0 | 3.4 | 3.0 |
| GRAN % | 35.8 | 4.0 | 67.2 | 5.0 | 85.2 | 5.0 |
| LYMP # | 1.0 | 0.3 | 1.9 | 0.4 | 2.4 | 0.8 |
| MONO # | 0.3 | 0.1 | 0.6 | 0.3 | 0.7 | 0.6 |
| GRAN # | 0.7 | 0.2 | 5.2 | 0.6 | 17.9 | 1.2 |

LOT : 194

 : 2011, February 19th

Diatron: Abacus, Arcus **

| Parameters | LOW | | NORMAL | | HIGH | |
|-------------------------|-------|---------|--------|---------|-------|---------|
| | Mean | Range ± | Mean | Range ± | Mean | Range ± |
| WBC 10 ⁹ /l | 2.0 | 0.4 | 7.3 | 0.8 | 20.5 | 2.0 |
| RBC 10 ¹² /l | 2.38 | 0.12 | 4.78 | 0.15 | 5.65 | 0.20 |
| Hb g/dl | 6.0 | 0.4 | 13.6 | 0.5 | 18.3 | 0.6 |
| Hb mmol/l | 3.7 | 0.3 | 8.5 | 0.4 | 11.3 | 0.4 |
| Hct % | 18.8 | 1.5 | 43.3 | 2.4 | 55.3 | 3.0 |
| Hct l/l | 0.188 | 0.015 | 0.433 | 0.024 | 0.553 | 0.030 |
| MCV fl | 79 | 4 | 91 | 4 | 98 | 4 |
| MCH pg | 25.3 | 2.4 | 28.5 | 2.8 | 32.3 | 2.8 |
| MCH fmol | 1.57 | 0.14 | 1.77 | 0.11 | 2.01 | 0.11 |
| MCHC g/dl | 32.0 | 3.0 | 31.5 | 3.0 | 33.0 | 3.0 |
| MCHC mmol/l | 19.9 | 1.8 | 19.6 | 1.8 | 20.5 | 1.8 |
| RDW-SD fl | 47.3 | 3.0 | 53.6 | 3.0 | 53.9 | 3.0 |
| RDW-CV % | 15.3 | 3.0 | 15.1 | 3.0 | 14.0 | 3.0 |
| Plts 10 ⁹ /l | 68 | 15 | 262 | 30 | 507 | 55 |
| MPV fl | 7.8 | 1.5 | 7.8 | 1.5 | 7.7 | 1.5 |
| PCT % | 0.05 | 0.02 | 0.20 | 0.03 | 0.39 | 0.04 |
| PCT ml/l | 0.53 | 0.2 | 2.04 | 0.3 | 3.92 | 0.4 |
| PDW-SD fl | 11.0 | 2.5 | 10.6 | 2.5 | 10.6 | 3.0 |
| PDW-CV % | 39.5 | 2.5 | 38.0 | 2.5 | 38.4 | 3.0 |
| LYMP % | 53.0 | 5.0 | 27.3 | 4.0 | 12.2 | 4.0 |
| MONO % | 14.9 | 4.0 | 12.2 | 4.0 | 5.7 | 4.0 |
| GRAN % | 32.0 | 4.0 | 60.5 | 5.0 | 82.2 | 5.0 |
| LYMP # | 1.1 | 0.3 | 2.0 | 0.4 | 2.5 | 0.8 |
| MONO # | 0.3 | 0.1 | 0.9 | 0.3 | 1.2 | 0.6 |
| GRAN # | 0.6 | 0.2 | 4.4 | 0.6 | 16.8 | 1.2 |

** JT Baker reagents CyMet Abacus + Diluid Abacus = Use Reagent Code 2 in service settings!!!

AVL (Contraves): AVL - 816

| Parameters | LOW | | NORMAL | | HIGH | |
|---|------|---------|--------|---------|------|---------|
| | Mean | Range ± | Mean | Range ± | Mean | Range ± |
| Please refer to Table Coulter Counters for CBC parameters | | | | | | |
| LYMP % | 60.3 | 5.0 | 36.2 | 4.0 | 18.2 | 4.0 |
| MONO % | 13.6 | 4.0 | 10.4 | 4.0 | 5.6 | 3.0 |
| GRAN % | 26.1 | 4.0 | 53.4 | 5.0 | 76.2 | 5.0 |
| LYMP # | 1.2 | 0.3 | 2.8 | 0.4 | 3.8 | 0.8 |
| MONO # | 0.3 | 0.1 | 0.8 | 0.3 | 1.2 | 0.6 |
| GRAN # | 0.5 | 0.2 | 4.1 | 0.6 | 15.9 | 1.2 |

AVL (Contraves): AVL - 818

| Parameters | LOW | | NORMAL | | HIGH | |
|---|------|---------|--------|---------|------|---------|
| | Mean | Range ± | Mean | Range ± | Mean | Range ± |
| Please refer to Table Coulter Counters for CBC parameters | | | | | | |
| LYMP % | 67.7 | 5.0 | 38.1 | 4.0 | 19.2 | 4.0 |
| MONO % | 11.9 | 4.0 | 9.7 | 4.0 | 5.4 | 3.0 |
| GRAN % | 20.3 | 4.0 | 52.2 | 5.0 | 75.5 | 5.0 |
| LYMP # | 1.4 | 0.3 | 2.9 | 0.4 | 4.0 | 0.8 |
| MONO # | 0.2 | 0.1 | 0.7 | 0.2 | 1.1 | 0.4 |
| GRAN # | 0.4 | 0.2 | 4.0 | 0.6 | 15.8 | 1.2 |

ERMA PCE-170, ERMAX-18, PCE-210

| Parameters | LOW | | NORMAL | | HIGH | |
|-------------------------|-------|---------|--------|---------|-------|---------|
| | Mean | Range ± | Mean | Range ± | Mean | Range ± |
| WBC 10 ⁹ /l | 2.0 | 0.4 | 7.8 | 0.8 | 21.8 | 2.0 |
| RBC 10 ¹² /l | 2.44 | 0.12 | 4.65 | 0.15 | 5.41 | 0.18 |
| Hb g/dl | 5.7 | 0.4 | 12.9 | 0.5 | 16.9 | 0.6 |
| Hb mmol/l | 3.5 | 0.2 | 8.0 | 0.3 | 10.5 | 0.4 |
| Hct % | 18.8 | 1.5 | 41.4 | 2.4 | 54.1 | 3.0 |
| Hct l/l | 0.188 | 0.015 | 0.414 | 0.024 | 0.541 | 0.030 |
| MCV fl | 77 | 4 | 89 | 4 | 100 | 4 |
| MCH pg | 23.4 | 2.4 | 27.7 | 2.8 | 31.2 | 2.8 |
| MCH fmol | 1.45 | 0.14 | 1.72 | 0.11 | 1.94 | 0.11 |
| MCHC g/dl | 30.3 | 3.0 | 31.2 | 3.0 | 31.2 | 3.0 |
| MCHC mmol/l | 18.8 | 1.8 | 19.3 | 1.8 | 19.4 | 1.8 |
| RDW % | 19.3 | 3.0 | 17.3 | 3.0 | 16.3 | 3.0 |
| Plts 10 ⁹ /l | 78 | 15 | 276 | 30 | 533 | 55 |
| MPV fl | 8.8 | 2.0 | 8.2 | 1.5 | 8.3 | 1.5 |
| PDW % | 16.7 | 2.5 | 15.5 | 2.5 | 14.4 | 2.5 |
| LYMP % | 47.8 | 5.0 | 32.2 | 4.0 | 26.9 | 4.0 |
| MONO % | 8.4 | 8.4 | 5.4 | 5.4 | 1.4 | 1.4 |
| GRAN % | 43.8 | 4.0 | 62.4 | 5.0 | 71.7 | 5.0 |
| LYMP # | 1.0 | 0.3 | 2.5 | 0.4 | 5.9 | 0.8 |
| MONO # | 0.2 | 0.2 | 0.4 | 0.4 | 0.3 | 0.3 |
| GRAN # | 0.9 | 0.2 | 4.9 | 0.6 | 15.6 | 1.2 |

Orphee MYTHIC 18

| Parameters | LOW | | NORMAL | | HIGH | |
|-------------------------|-------|---------|--------|---------|-------|---------|
| | Mean | Range ± | Mean | Range ± | Mean | Range ± |
| WBC 10 ⁹ /l | 2.0 | 0.4 | 7.6 | 0.8 | 20.9 | 2.0 |
| RBC 10 ¹² /l | 2.33 | 0.12 | 4.64 | 0.15 | 5.56 | 0.18 |
| Hb g/dl | 5.9 | 0.4 | 13.4 | 0.5 | 17.6 | 0.6 |
| Hb mmol/l | 3.7 | 0.2 | 8.3 | 0.3 | 10.9 | 0.4 |
| Hct % | 18.6 | 1.5 | 41.8 | 2.4 | 53.4 | 3.0 |
| Hct l/l | 0.186 | 0.015 | 0.418 | 0.024 | 0.534 | 0.030 |
| MCV fl | 80 | 4 | 90 | 4 | 96 | 4 |
| MCH pg | 25.3 | 2.4 | 28.9 | 2.8 | 31.7 | 2.8 |
| MCH fmol | 1.57 | 0.14 | 1.79 | 0.11 | 1.96 | 0.11 |
| MCHC g/dl | 31.7 | 3.0 | 32.1 | 3.0 | 33.0 | 3.0 |
| MCHC mmol/l | 19.6 | 1.8 | 19.9 | 1.8 | 20.5 | 1.8 |
| RDW % | 16.3 | 3.0 | 15.8 | 3.0 | 15.9 | 3.0 |
| Plts 10 ⁹ /l | 68 | 15 | 256 | 30 | 495 | 55 |
| MPV fl | 8.7 | 2.0 | 8.2 | 1.5 | 8.0 | 1.5 |
| LYMP % | 56.1 | 5.0 | 29.2 | 4.0 | 14.9 | 4.0 |
| MONO % | 10.2 | 10.2 | 6.0 | 6.0 | 2.4 | 2.4 |
| GRAN % | 33.7 | 4.0 | 64.8 | 5.0 | 82.7 | 5.0 |
| LYMP # | 1.1 | 0.3 | 2.2 | 0.4 | 3.1 | 0.8 |
| MONO # | 0.2 | 0.2 | 0.5 | 0.5 | 0.5 | 0.5 |
| GRAN # | 0.7 | 0.2 | 4.9 | 0.6 | 17.3 | 1.2 |



Mallinckrodt Baker B.V.
P.O. Box 1 - 7400AA Deventer - Holland
Tel.: +31 (0)570 687500

The devices as mentioned in this insert comply with the
In Vitro Diagnostic Medical Devices Directive 98/79/EC.



8°C



LOT : 194

 : 2011, February 19th

Mindray BC-3200, BC-3000CT (new models)

| Parameters | LOW | | NORMAL | | HIGH | |
|-------------------------|-------|---------|--------|---------|-------|---------|
| | Mean | Range ± | Mean | Range ± | Mean | Range ± |
| WBC 10 ⁹ /l | 2.0 | 0.5 | 7.9 | 1.0 | 21.6 | 2.5 |
| RBC 10 ¹² /l | 2.40 | 0.18 | 4.73 | 0.24 | 5.72 | 0.30 |
| Hb g/dl | 5.9 | 0.4 | 13.7 | 0.6 | 18.3 | 0.8 |
| Hb mmol/l | 3.7 | 0.3 | 8.5 | 0.4 | 11.4 | 0.5 |
| Hct % | 17.6 | 1.5 | 40.9 | 2.0 | 54.3 | 2.4 |
| Hct l/l | 0.176 | 0.015 | 0.409 | 0.020 | 0.543 | 0.024 |
| MCV fl | 73.5 | 5.0 | 86.5 | 5.0 | 95.0 | 5.0 |
| MCH pg | 24.6 | 2.5 | 29.0 | 2.5 | 32.0 | 2.5 |
| MCH fmol | 1.53 | 0.16 | 1.80 | 0.16 | 1.99 | 0.16 |
| MCHC g/dl | 33.4 | 3.0 | 33.5 | 3.0 | 33.7 | 3.0 |
| MCHC mmol/l | 20.8 | 1.8 | 20.8 | 1.8 | 20.9 | 1.8 |
| RDW-CV | 13.5 | 3.0 | 13.0 | 3.0 | 13.2 | 3.0 |
| RDW-SD | 35.5 | 6.0 | 39.0 | 6.0 | 41.0 | 8.0 |
| Plts 10 ⁹ /l | 78 | 20 | 265 | 40 | 515 | 60 |
| MPV fl | 8.5 | 3.0 | 8.0 | 3.0 | 7.9 | 3.0 |
| LYMP % | 55.0 | 12.0 | 27.5 | 8.0 | 12.5 | 6.0 |
| MONO % | 13.0 | 10.0 | 9.5 | 7.0 | 5.5 | 5.0 |
| GRAN % | 32.0 | 9.0 | 63.0 | 8.0 | 82.0 | 8.0 |
| LYMP # | 1.1 | 0.3 | 2.2 | 0.7 | 2.7 | 1.3 |
| MONO # | 0.3 | 0.3 | 0.8 | 0.6 | 1.2 | 1.1 |
| GRAN # | 0.6 | 0.2 | 5.0 | 0.7 | 17.7 | 1.8 |

Mindray BC-2800, BC-2600 (software version lower than 2.0)

| Parameters | LOW | | NORMAL | | HIGH | |
|-------------------------|-------|---------|--------|---------|-------|---------|
| | Mean | Range ± | Mean | Range ± | Mean | Range ± |
| WBC 10 ⁹ /l | 1.8 | 0.5 | 7.8 | 1.0 | 22.0 | 2.5 |
| RBC 10 ¹² /l | 2.26 | 0.18 | 4.63 | 0.24 | 5.59 | 0.30 |
| Hb g/dl | 6.0 | 0.4 | 13.8 | 0.6 | 18.4 | 0.8 |
| Hb mmol/l | 3.7 | 0.3 | 8.6 | 0.4 | 11.4 | 0.5 |
| Hct % | 17.2 | 1.5 | 39.8 | 2.0 | 52.5 | 2.4 |
| Hct l/l | 0.172 | 0.015 | 0.398 | 0.020 | 0.525 | 0.024 |
| MCV fl | 76.0 | 5.0 | 86.0 | 5.0 | 94.0 | 5.0 |
| MCH pg | 26.5 | 2.5 | 29.8 | 2.5 | 32.9 | 2.5 |
| MCH fmol | 1.65 | 0.16 | 1.85 | 0.16 | 2.04 | 0.16 |
| MCHC g/dl | 34.9 | 3.0 | 34.7 | 3.0 | 35.0 | 3.0 |
| MCHC mmol/l | 21.7 | 1.8 | 21.5 | 1.8 | 21.7 | 1.8 |
| RDW-CV | 14.5 | 3.0 | 14.0 | 3.0 | 14.0 | 3.0 |
| RDW-SD | 37.5 | 6.0 | 41.0 | 6.0 | 44.5 | 8.0 |
| Plts 10 ⁹ /l | 68 | 20 | 265 | 40 | 555 | 60 |
| MPV fl | 8.7 | 3.0 | 9.1 | 3.0 | 8.9 | 3.0 |
| PCT % | 0.06 | 0.05 | 0.24 | 0.10 | 0.49 | 0.20 |
| PCT ml/l | 0.59 | 0.50 | 2.41 | 1.00 | 4.94 | 2.00 |
| PDW fl | 15.7 | 3.0 | 16.2 | 3.0 | 16.1 | 3.0 |
| LYMP % | 58.3 | 11.0 | 30.0 | 8.0 | 13.5 | 8.0 |
| MONO % | 11.7 | 8.0 | 7.5 | 6.0 | 9.5 | 7.0 |
| GRAN % | 30.0 | 8.0 | 62.5 | 9.0 | 77.0 | 9.0 |
| LYMP # | 1.0 | 0.2 | 2.3 | 0.7 | 3.0 | 1.8 |
| MONO # | 0.2 | 0.2 | 0.6 | 0.5 | 2.1 | 1.6 |
| GRAN # | 0.5 | 0.2 | 4.9 | 0.8 | 16.9 | 2.0 |

Mindray BC-2800, BC-2600 (software version 2.0 or higher)

| Parameters | LOW | | NORMAL | | HIGH | |
|-------------------------|-------|---------|--------|---------|-------|---------|
| | Mean | Range ± | Mean | Range ± | Mean | Range ± |
| WBC 10 ⁹ /l | 1.9 | 0.5 | 7.6 | 1.0 | 20.8 | 2.5 |
| RBC 10 ¹² /l | 2.28 | 0.18 | 4.67 | 0.24 | 5.54 | 0.30 |
| Hb g/dl | 5.9 | 0.4 | 13.8 | 0.6 | 18.4 | 0.8 |
| Hb mmol/l | 3.7 | 0.3 | 8.6 | 0.4 | 11.4 | 0.5 |
| Hct % | 16.9 | 1.5 | 39.5 | 2.0 | 52.1 | 2.4 |
| Hct l/l | 0.169 | 0.015 | 0.395 | 0.020 | 0.521 | 0.024 |
| MCV fl | 74.0 | 5.0 | 84.5 | 5.0 | 94.0 | 5.0 |
| MCH pg | 25.9 | 2.5 | 29.6 | 2.5 | 33.2 | 2.5 |
| MCH fmol | 1.61 | 0.16 | 1.83 | 0.16 | 2.06 | 0.16 |
| MCHC g/dl | 35.0 | 3.0 | 35.0 | 3.0 | 35.3 | 3.0 |
| MCHC mmol/l | 21.7 | 1.8 | 21.7 | 1.8 | 21.9 | 1.8 |
| RDW-CV | 16.0 | 3.0 | 15.5 | 3.0 | 14.5 | 3.0 |
| RDW-SD | 40.0 | 6.0 | 44.0 | 6.0 | 46.0 | 8.0 |
| Plts 10 ⁹ /l | 72 | 20 | 256 | 40 | 495 | 60 |
| MPV fl | 9.8 | 3.0 | 9.7 | 3.0 | 9.5 | 3.0 |
| PCT % | 0.07 | 0.05 | 0.25 | 0.10 | 0.47 | 0.20 |
| PCT ml/l | 0.71 | 0.50 | 2.48 | 1.00 | 4.70 | 2.00 |
| PDW fl | 15.0 | 3.0 | 14.8 | 3.0 | 14.8 | 3.0 |
| LYMP % | 58.0 | 10.0 | 30.0 | 8.0 | 14.5 | 7.0 |
| MONO % | 11.0 | 8.0 | 7.0 | 6.0 | 4.5 | 4.0 |
| GRAN % | 31.0 | 9.0 | 63.0 | 9.0 | 81.0 | 8.0 |
| LYMP # | 1.1 | 0.2 | 2.3 | 0.7 | 3.0 | 1.5 |
| MONO # | 0.2 | 0.2 | 0.5 | 0.5 | 0.9 | 0.8 |
| GRAN # | 0.6 | 0.2 | 4.8 | 0.7 | 16.8 | 1.7 |

Mindray BC-3000 (new models s/n A75xxx) , BC-2900, BC-1800

| Parameters | LOW | | NORMAL | | HIGH | |
|-------------------------|-------|---------|--------|---------|-------|---------|
| | Mean | Range ± | Mean | Range ± | Mean | Range ± |
| WBC 10 ⁹ /l | 2.0 | 0.5 | 7.8 | 1.0 | 21.0 | 2.5 |
| RBC 10 ¹² /l | 2.44 | 0.18 | 4.80 | 0.24 | 5.71 | 0.30 |
| Hb g/dl | 5.9 | 0.4 | 13.7 | 0.6 | 18.3 | 0.8 |
| Hb mmol/l | 3.7 | 0.3 | 8.5 | 0.4 | 11.4 | 0.5 |
| Hct % | 18.3 | 1.5 | 41.8 | 2.0 | 54.5 | 2.4 |
| Hct l/l | 0.183 | 0.015 | 0.418 | 0.020 | 0.545 | 0.024 |
| MCV fl | 75.0 | 5.0 | 87.0 | 5.0 | 95.5 | 5.0 |
| MCH pg | 24.2 | 2.5 | 28.5 | 2.5 | 32.0 | 2.5 |
| MCH fmol | 1.50 | 0.16 | 1.77 | 0.16 | 1.99 | 0.16 |
| MCHC g/dl | 32.2 | 3.0 | 32.8 | 3.0 | 33.6 | 3.0 |
| MCHC mmol/l | 20.0 | 1.8 | 20.4 | 1.8 | 20.8 | 1.8 |
| RDW-CV | 14.5 | 3.0 | 14.5 | 3.0 | 14.0 | 3.0 |
| RDW-SD | 39.0 | 6.0 | 43.0 | 6.0 | 44.0 | 8.0 |
| Plts 10 ⁹ /l | 80 | 20 | 263 | 40 | 525 | 60 |
| MPV fl | 9.0 | 3.0 | 8.5 | 3.0 | 8.4 | 3.0 |
| PCT % | 0.07 | 0.05 | 0.22 | 0.10 | 0.44 | 0.20 |
| PCT ml/l | 0.72 | 0.50 | 2.24 | 1.00 | 4.41 | 2.00 |
| PDW fl | 16.2 | 3.0 | 15.7 | 3.0 | 15.7 | 3.0 |
| LYMP % | 57.0 | 12.0 | 30.0 | 8.0 | 13.8 | 7.0 |
| MONO % | 11.5 | 9.0 | 8.0 | 7.0 | 5.0 | 5.0 |
| GRAN % | 31.5 | 9.0 | 62.0 | 8.0 | 81.2 | 8.0 |
| LYMP # | 1.1 | 0.3 | 2.3 | 0.7 | 2.9 | 1.5 |
| MONO # | 0.2 | 0.2 | 0.6 | 0.6 | 1.1 | 1.1 |
| GRAN # | 0.6 | 0.2 | 4.8 | 0.7 | 17.1 | 1.7 |

Mindray: BC-3000 with Cymet Mindray CN-free (old models s/n A59xxx)

| Parameters | LOW | | NORMAL | | HIGH | |
|-------------------------|-------|---------|--------|---------|-------|---------|
| | Mean | Range ± | Mean | Range ± | Mean | Range ± |
| WBC 10 ⁹ /l | 2.0 | 0.5 | 7.6 | 1.0 | 19.7 | 2.5 |
| RBC 10 ¹² /l | 2.18 | 0.18 | 4.47 | 0.24 | 5.50 | 0.30 |
| Hb g/dl ** | 6.1 | 0.4 | 14.3 | 0.6 | 19.0 | 0.8 |
| Hb mmol/l ** | 3.8 | 0.3 | 8.9 | 0.4 | 11.8 | 0.5 |
| Hct % | 17.4 | 1.5 | 40.7 | 2.0 | 53.4 | 2.4 |
| Hct l/l | 0.174 | 0.015 | 0.407 | 0.020 | 0.534 | 0.024 |
| MCV fl | 80.0 | 5.0 | 91.0 | 5.0 | 97.0 | 5.0 |
| MCH pg ** | 28.0 | 2.5 | 32.0 | 2.5 | 34.5 | 2.5 |
| MCH fmol ** | 1.74 | 0.16 | 1.99 | 0.16 | 2.14 | 0.16 |
| MCHC g/dl ** | 35.0 | 3.0 | 35.2 | 3.0 | 35.6 | 3.0 |
| MCHC mmol/l ** | 21.7 | 1.8 | 21.8 | 1.8 | 22.1 | 1.8 |
| RDW-CV | 15.1 | 3.0 | 15.1 | 3.0 | 14.7 | 3.0 |
| RDW-SD | 43.1 | 6.0 | 49.1 | 6.0 | 50.9 | 6.0 |
| Plts 10 ⁹ /l | 75 | 20 | 244 | 40 | 463 | 60 |
| MPV fl | 8.7 | 3.0 | 8.6 | 3.0 | 8.3 | 3.0 |
| LYMP % | 55.8 | 12.0 | 27.4 | 8.0 | 12.8 | 6.0 |
| MONO % | 14.8 | 10.0 | 9.1 | 7.0 | 4.4 | 4.4 |
| GRAN % | 29.4 | 9.0 | 63.5 | 8.0 | 82.8 | 8.0 |
| LYMP # | 1.1 | 0.3 | 2.1 | 0.7 | 2.5 | 1.3 |
| MONO # | 0.3 | 0.3 | 0.7 | 0.7 | 0.9 | 0.9 |
| GRAN # | 0.6 | 0.2 | 4.8 | 0.7 | 16.3 | 1.8 |

**** Mindray: BC-3000 with Cymet Mindray (with CN) (old series s/n A59xxx)**

| | | | | | | |
|-------------|------|------|------|------|------|------|
| Hb g/dl | 5.8 | 0.4 | 13.3 | 0.6 | 17.7 | 0.8 |
| Hb mmol/l | 3.6 | 0.3 | 8.3 | 0.4 | 11.0 | 0.5 |
| MCH pg | 26.6 | 2.5 | 29.8 | 2.5 | 32.2 | 2.5 |
| MCH fmol | 1.65 | 0.16 | 1.85 | 0.16 | 2.00 | 0.16 |
| MCHC g/dl | 33.3 | 3.0 | 32.7 | 3.0 | 33.2 | 3.0 |
| MCHC mmol/l | 20.6 | 1.8 | 20.3 | 1.8 | 20.6 | 1.8 |

Mindray BC-2300, BC-2100

| Parameters | LOW | | NORMAL | | HIGH | |
|-------------------------|-------|---------|--------|---------|-------|---------|
| | Mean | Range ± | Mean | Range ± | Mean | Range ± |
| WBC 10 ⁹ /l | 1.8 | 0.5 | 7.5 | 1.0 | 20.8 | 2.5 |
| RBC 10 ¹² /l | 2.31 | 0.18 | 4.60 | 0.24 | 5.45 | 0.30 |
| Hb g/dl | 6.0 | 0.4 | 13.6 | 0.6 | 17.9 | 0.8 |
| Hb mmol/l | 3.7 | 0.3 | 8.4 | 0.4 | 11.1 | 0.5 |
| Hct % | 16.6 | 1.5 | 38.6 | 2.0 | 50.7 | 2.4 |
| Hct l/l | 0.166 | 0.015 | 0.386 | 0.020 | 0.507 | 0.024 |
| MCV fl | 72.0 | 5.0 | 84.0 | 5.0 | 93.0 | 5.0 |
| MCH pg | 26.0 | 2.5 | 29.6 | 2.5 | 32.8 | 2.5 |
| MCH fmol | 1.61 | 0.16 | 1.83 | 0.16 | 2.04 | 0.16 |
| MCHC g/dl | 36.1 | 3.0 | 35.2 | 3.0 | 35.3 | 3.0 |
| MCHC mmol/l | 22.4 | 1.8 | 21.8 | 1.8 | 21.9 | 1.8 |
| RDW-CV | 14.0 | 3.0 | 13.0 | 3.0 | 12.5 | 3.0 |
| RDW-SD | 30.0 | 6.0 | 34.0 | 6.0 | 35.0 | 8.0 |
| Plts 10 ⁹ /l | 68 | 20 | 250 | 40 | 520 | 60 |
| MPV fl | 10.3 | 3.0 | 10.1 | 3.0 | 10.0 | 3.0 |
| PCT % | 0.07 | 0.05 | 0.25 | 0.10 | 0.52 | 0.20 |
| PCT ml/l | 0.70 | 0.50 | 2.53 | 1.00 | 5.20 | 2.00 |
| PDW fl | 15.1 | 3.0 | 15.1 | 3.0 | 15.0 | 3.0 |
| LYMP % | 60.0 | 10.0 | 31.0 | 8.0 | 14.0 | 8.0 |
| MONO % | 9.5 | 9.0 | 9.0 | 8.0 | 7.0 | 6.5 |
| GRAN % | 30.5 | 9.0 | 60.0 | 10.0 | 79.0 | 9.0 |
| LYMP # | 1.1 | 0.2 | 2.3 | 0.6 | 2.9 | 1.7 |
| MONO # | 0.2 | 0.2 | 0.7 | 0.7 | 1.5 | 1.4 |
| GRAN # | 0.5 | 0.2 | 4.5 | 0.8 | 16.4 | 1.9 |