


REF : 3734-3735-3736-3752-3753-3754-3820-3821-3822

LOT : 198

 : 2012-02-19

Coulter Counter Models (with III Diff. option; for AcT 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 | 7.8 | 0.8 | 20.5 | 2.0 |
| RBC 10 ¹² /l | 2.40 | 0.15 | 4.72 | 0.20 | 5.58 | 0.24 |
| Hb g/dl | 6.1 | 0.4 | 13.7 | 0.5 | 18.2 | 0.6 |
| Hb mmol/l | 3.8 | 0.3 | 8.5 | 0.4 | 11.3 | 0.5 |
| Hct % | 18.1 | 1.5 | 39.9 | 2.4 | 52.2 | 3.0 |
| Hct l/l | 0.181 | 0.015 | 0.399 | 0.024 | 0.522 | 0.030 |
| MCV fl | 75.5 | 4.0 | 84.5 | 4.0 | 93.5 | 4.0 |
| MCH pg | 25.4 | 2.4 | 29.0 | 2.8 | 32.6 | 2.8 |
| MCH fmol | 1.58 | 0.16 | 1.80 | 0.17 | 2.02 | 0.19 |
| MCHC g/dl | 33.7 | 3.0 | 34.3 | 3.0 | 34.9 | 3.0 |
| MCHC mmol/l | 20.9 | 2.0 | 21.3 | 2.0 | 21.6 | 2.0 |
| RDW % | 16.9 | 3.0 | 16.2 | 3.0 | 15.5 | 3.0 |
| Plts 10 ⁹ /l | 70 | 20 | 257 | 35 | 502 | 60 |
| MPV fl | 7.6 | 2.0 | 7.3 | 2.0 | 7.8 | 2.0 |
| PDW % | 18.0 | 3.0 | 16.8 | 3.0 | 16.6 | 3.0 |
| LYMP % | 53.8 | 6.0 | 30.9 | 5.0 | 15.3 | 4.0 |
| MONO % | 13.3 | 6.0 | 7.6 | 4.0 | 5.9 | 3.0 |
| GRAN % | 32.9 | 6.0 | 61.5 | 6.0 | 78.8 | 5.0 |
| LYMP # | 1.1 | 0.2 | 2.4 | 0.5 | 3.1 | 0.9 |
| MONO # | 0.3 | 0.2 | 0.6 | 0.4 | 1.2 | 0.7 |
| GRAN # | 0.7 | 0.2 | 4.8 | 0.5 | 16.2 | 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 | 7.3 | 0.8 | 19.0 | 2.0 |
| RBC 10 ¹² /l | 2.41 | 0.15 | 4.68 | 0.20 | 5.57 | 0.24 |
| Hb g/dl | 5.8 | 0.4 | 13.7 | 0.5 | 18.1 | 0.6 |
| Hb mmol/l | 3.6 | 0.3 | 8.5 | 0.4 | 11.3 | 0.5 |
| Hct % | 16.9 | 1.5 | 38.4 | 2.4 | 51.5 | 3.0 |
| Hct l/l | 0.169 | 0.015 | 0.384 | 0.024 | 0.515 | 0.030 |
| MCV fl | 70.1 | 4.0 | 82.1 | 4.0 | 92.5 | 4.0 |
| MCH pg | 24.0 | 2.4 | 29.2 | 2.8 | 32.5 | 2.8 |
| MCH fmol | 1.49 | 0.16 | 1.81 | 0.17 | 2.02 | 0.19 |
| MCHC g/dl | 34.3 | 3.0 | 35.6 | 3.0 | 35.2 | 3.0 |
| MCHC mmol/l | 21.3 | 2.0 | 22.1 | 2.0 | 21.8 | 2.0 |
| RDW % | 15.4 | 3.0 | 16.6 | 3.0 | 15.9 | 3.0 |
| Plts 10 ⁹ /l | 76 | 20 | 254 | 35 | 469 | 60 |
| MPV fl | 7.3 | 2.0 | 7.0 | 2.0 | 7.3 | 2.0 |
| LYMP % | 46.5 | 6.0 | 27.4 | 5.0 | 13.9 | 4.0 |
| MONO % | 12.7 | 6.0 | 7.5 | 4.0 | 4.6 | 3.0 |
| GRAN % | 40.8 | 6.0 | 65.1 | 6.0 | 81.4 | 5.0 |
| LYMP # | 1.0 | 0.2 | 2.0 | 0.5 | 2.6 | 0.9 |
| MONO # | 0.3 | 0.2 | 0.6 | 0.4 | 0.9 | 0.7 |
| GRAN # | 0.8 | 0.2 | 4.8 | 0.5 | 15.5 | 1.1 |

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 | 7.5 | 0.8 | 18.4 | 2.0 |
| RBC 10 ¹² /l | 2.43 | 0.2 | 4.68 | 0.20 | 5.47 | 0.2 |
| Hb g/dl | 6.0 | 0.4 | 13.5 | 0.5 | 18.0 | 0.6 |
| Hb mmol/l | 3.7 | 0.3 | 8.4 | 0.4 | 11.2 | 0.5 |
| Hct % | 18.3 | 1.5 | 40.0 | 2.4 | 51.7 | 3.0 |
| Hct l/l | 0.183 | 0.015 | 0.400 | 0.0 | 0.517 | 0.030 |
| MCV fl | 75.5 | 4.0 | 85.5 | 4.0 | 94.5 | 4.0 |
| MCH pg | 24.7 | 2.4 | 28.8 | 2.8 | 32.9 | 2.8 |
| MCH fmol | 1.53 | 0.16 | 1.79 | 0.17 | 2.04 | 0.19 |
| MCHC g/dl | 32.7 | 3.0 | 33.7 | 3.0 | 34.8 | 3.0 |
| MCHC mmol/l | 20.3 | 2.0 | 20.9 | 2.0 | 21.6 | 2.0 |
| Plts 10 ⁹ /l | 66 | 20 | 252 | 35 | 489 | 60 |
| MPV fl | 8.5 | 2.0 | 7.8 | 2.0 | 8.0 | 2.0 |
| LYMP % | 53.8 | 6.0 | 30.9 | 5.0 | 15.3 | 4.0 |
| MID % | 13.3 | 6.0 | 7.6 | 4.0 | 5.9 | 3.0 |
| GRAN % | 32.9 | 6.0 | 61.5 | 6.0 | 78.8 | 5.0 |
| LYMP # | 1.2 | 0.2 | 2.3 | 0.5 | 2.8 | 0.9 |
| MID # | 0.3 | 0.2 | 0.6 | 0.4 | 1.1 | 0.7 |
| GRAN # | 0.7 | 0.2 | 4.6 | 0.5 | 14.5 | 1.1 |

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 | 7.8 | 0.8 | 20.4 | 2.0 |
| RBC 10 ¹² /l | 2.40 | 0.15 | 4.72 | 0.20 | 5.58 | 0.24 |
| Hb g/dl | 6.1 | 0.4 | 13.7 | 0.5 | 18.2 | 0.6 |
| Hb mmol/l | 3.8 | 0.3 | 8.5 | 0.4 | 11.3 | 0.5 |
| Hct % | 18.1 | 1.5 | 40.4 | 2.4 | 52.7 | 3.0 |
| Hct l/l | 0.181 | 0.015 | 0.404 | 0.024 | 0.527 | 0.030 |
| MCV fl | 75.5 | 4.0 | 85.5 | 4.0 | 94.5 | 4.0 |
| MCH pg | 25.4 | 2.4 | 29.0 | 2.8 | 32.6 | 2.8 |
| MCH fmol | 1.58 | 0.16 | 1.80 | 0.17 | 2.02 | 0.19 |
| MCHC g/dl | 33.7 | 3.0 | 33.9 | 3.0 | 34.5 | 3.0 |
| MCHC mmol/l | 20.9 | 2.0 | 21.0 | 2.0 | 21.4 | 2.0 |
| RDW % | 16.9 | 3.0 | 16.2 | 3.0 | 15.5 | 3.0 |
| Plts 10 ⁹ /l | 70 | 20 | 255 | 35 | 500 | 60 |
| MPV fl | 7.6 | 2.0 | 7.3 | 2.0 | 7.8 | 2.0 |
| LYMP % | 55.5 | 6.0 | 30.5 | 5.0 | 14.0 | 4.0 |
| MONO % | 10.5 | 6.0 | 6.0 | 4.0 | 5.0 | 3.0 |
| GRAN % | 34.0 | 6.0 | 63.5 | 6.0 | 81.0 | 5.0 |
| LYMP # | 1.0 | 0.2 | 2.4 | 0.5 | 2.9 | 0.9 |
| MONO # | 0.2 | 0.2 | 0.5 | 0.4 | 1.0 | 0.7 |
| GRAN # | 0.7 | 0.2 | 5.0 | 0.5 | 16.5 | 1.1 |

Coulter Counter: AcT 8, AcT 10

| Parameters | LOW | | NORMAL | | HIGH | |
|------------|------|---------|--------|---------|------|---------|
| | Mean | Range ± | Mean | Range ± | Mean | Range ± |
| LYMP % | 42.0 | 6.0 | 22.5 | 4.0 | 9.5 | 4.0 |
| LYMP # | 0.8 | 0.2 | 1.8 | 0.4 | 1.9 | 0.9 |


Please refer to Table AcT Diff for CBC parameters

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 | 7.5 | 0.8 | 18.8 | 2.0 |
| RBC 10 ¹² /l | 2.38 | 0.15 | 4.68 | 0.20 | 5.50 | 0.24 |
| Hb g/dl | 6.0 | 0.4 | 14.0 | 0.5 | 19.4 | 0.6 |
| Hb mmol/l | 3.7 | 0.3 | 8.7 | 0.4 | 12.1 | 0.5 |
| Hct % | 18.5 | 1.5 | 40.2 | 2.4 | 54.1 | 3.0 |
| Hct l/l | 0.185 | 0.015 | 0.402 | 0.0 | 0.541 | 0.030 |
| MCV fl | 77.6 | 4.0 | 85.9 | 4.0 | 98.4 | 4.0 |
| MCH pg | 25.2 | 2.4 | 29.9 | 2.8 | 35.4 | 2.8 |
| MCH fmol | 1.56 | 0.16 | 1.86 | 0.17 | 2.20 | 0.19 |
| MCHC g/dl | 32.5 | 3.0 | 34.8 | 3.0 | 35.9 | 3.0 |
| MCHC mmol/l | 20.2 | 2.0 | 21.6 | 2.0 | 22.3 | 2.0 |
| RDW % | 15.7 | 3.0 | 15.6 | 3.0 | 14.7 | 3.0 |
| Plts 10 ⁹ /l | 72 | 20 | 262 | 35 | 491 | 60 |
| MPV fl | 7.6 | 2.0 | 6.4 | 2.0 | 6.4 | 2.0 |
| LYMP % | 57.3 | 6.0 | 32.8 | 5.0 | 18.4 | 4.0 |
| MONO % | 14.5 | 6.0 | 8.2 | 4.0 | 5.7 | 3.0 |
| GRAN % | 28.2 | 6.0 | 59.0 | 6.0 | 75.9 | 5.0 |
| LYMP # | 1.2 | 0.2 | 2.4 | 0.5 | 3.5 | 0.9 |
| MONO # | 0.3 | 0.2 | 0.6 | 0.4 | 1.1 | 0.7 |
| GRAN # | 0.6 | 0.2 | 4.4 | 0.5 | 14.3 | 1.1 |

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 | 7.9 | 0.8 | 20.7 | 2.0 |
| RBC 10 ¹² /l | 2.52 | 0.2 | 4.64 | 0.20 | 5.46 | 0.2 |
| Hb g/dl | 6.1 | 0.4 | 13.6 | 0.5 | 18.3 | 0.6 |
| Hb mmol/l | 3.8 | 0.3 | 8.4 | 0.4 | 11.3 | 0.5 |
| Hct % | 18.9 | 1.5 | 39.7 | 2.4 | 51.8 | 3.0 |
| Hct l/l | 0.189 | 0.015 | 0.397 | 0.0 | 0.518 | 0.030 |
| MCV fl | 75.2 | 4.0 | 85.5 | 4.0 | 94.9 | 4.0 |
| MCH pg | 24.4 | 2.4 | 29.3 | 2.8 | 33.5 | 2.8 |
| MCH fmol | 1.51 | 0.16 | 1.82 | 0.17 | 2.08 | 0.19 |
| MCHC g/dl | 32.4 | 3.0 | 34.3 | 3.0 | 35.3 | 3.0 |
| MCHC mmol/l | 20.1 | 2.0 | 21.3 | 2.0 | 21.9 | 2.0 |
| RDW % | 12.8 | 3.0 | 12.2 | 3.0 | 12.4 | 3.0 |
| Plts 10 ⁹ /l | 81 | 20 | 272 | 35 | 489 | 60 |
| MPV fl | 6.3 | 2.0 | 6.5 | 2.0 | 7.0 | 2.0 |
| LYMP % | 47.1 | 6.0 | 24.8 | 5.0 | 11.5 | 4.0 |
| MONO % | 13.8 | 6.0 | 7.0 | 4.0 | 4.5 | 3.0 |
| GRAN % | 39.1 | 6.0 | 68.2 | 6.0 | 84.0 | 5.0 |
| LYMP # | 1.0 | 0.2 | 2.0 | 0.5 | 2.4 | 0.9 |
| MONO # | 0.3 | 0.2 | 0.6 | 0.4 | 0.9 | 0.7 |
| GRAN # | 0.8 | 0.2 | 5.4 | 0.5 | 17.4 | 1.1 |

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 : 2012-02-19

Diatron: Abacus, Arcus **

| Parameters | LOW | | NORMAL | | HIGH | |
|-------------------------|-------|---------|--------|---------|-------|---------|
| | Mean | Range ± | Mean | Range ± | Mean | Range ± |
| WBC 10 ⁹ /l | 1.9 | 0.4 | 7.6 | 0.8 | 20.5 | 2.0 |
| RBC 10 ¹² /l | 2.54 | 0.2 | 4.86 | 0.20 | 5.68 | 0.2 |
| Hb g/dl | 6.3 | 0.4 | 13.8 | 0.5 | 18.7 | 0.6 |
| Hb mmol/l | 3.9 | 0.3 | 8.6 | 0.4 | 11.6 | 0.5 |
| Hct % | 20.0 | 1.5 | 43.5 | 2.4 | 56.5 | 3.0 |
| Hct l/l | 0.200 | 0.015 | 0.435 | 0.0 | 0.565 | 0.030 |
| MCV fl | 78.6 | 4.0 | 89.5 | 4.0 | 99.6 | 4.0 |
| MCH pg | 25.0 | 2.4 | 28.4 | 2.8 | 33.0 | 2.8 |
| MCH fmol | 1.55 | 0.16 | 1.76 | 0.17 | 2.05 | 0.19 |
| MCHC g/dl | 31.7 | 3.0 | 31.8 | 3.0 | 33.2 | 3.0 |
| MCHC mmol/l | 19.7 | 2.0 | 19.7 | 2.0 | 20.6 | 2.0 |
| RDW-SD fl | 59.3 | 5.0 | 62.7 | 5.0 | 67.4 | 5.0 |
| RDW-CV % | 16.6 | 3.0 | 15.4 | 3.0 | 14.9 | 3.0 |
| Plts 10 ⁹ /l | 64 | 20 | 257 | 35 | 502 | 60 |
| MPV fl | 7.4 | 2.0 | 7.3 | 2.0 | 7.5 | 2.0 |
| PCT % | 0.05 | 0.02 | 0.19 | 0.06 | 0.37 | 0.10 |
| PCT ml/l | 0.48 | 0.2 | 1.88 | 0.3 | 3.75 | 0.4 |
| PDW-SD fl | 9.8 | 3.0 | 9.9 | 3.0 | 10.1 | 3.0 |
| PDW-CV % | 37.0 | 3.0 | 37.8 | 3.0 | 38.0 | 3.0 |
| LYMP % | 50.1 | 6.0 | 29.0 | 1.0 | 12.2 | 4.0 |
| MONO % | 10.8 | 8.0 | 7.0 | 1.0 | 7.6 | 3.0 |
| GRAN % | 39.1 | 7.0 | 64.0 | 6.0 | 80.2 | 6.0 |
| LYMP # | 1.0 | 0.2 | 2.2 | 0.5 | 2.5 | 0.9 |
| MONO # | 0.2 | 0.2 | 0.5 | 0.4 | 1.6 | 0.7 |
| GRAN # | 0.7 | 0.2 | 4.9 | 0.5 | 16.4 | 1.1 |

** 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 % | 58.2 | 6.0 | 36.8 | 5.0 | 18.2 | 4.0 |
| MONO % | 12.2 | 6.0 | 8.6 | 4.0 | 7.6 | 3.0 |
| GRAN % | 29.6 | 6.0 | 54.5 | 6.0 | 74.3 | 5.0 |
| LYMP # | 1.2 | 0.2 | 2.9 | 0.5 | 3.7 | 0.9 |
| MONO # | 0.2 | 0.2 | 0.7 | 0.4 | 1.5 | 0.7 |
| GRAN # | 0.6 | 0.2 | 4.3 | 0.5 | 15.2 | 1.1 |

AVL (Contraves): AVL - 818


| Parameters | LOW | | NORMAL | | HIGH | |
|---|------|---------|--------|---------|------|---------|
| | Mean | Range ± | Mean | Range ± | Mean | Range ± |
| Please refer to Table Coulter Counters for CBC parameters | | | | | | |
| LYMP % | 65.3 | 6.0 | 38.7 | 5.0 | 19.2 | 4.0 |
| MONO % | 10.7 | 6.0 | 8.1 | 4.0 | 7.2 | 3.0 |
| GRAN % | 24.0 | 6.0 | 53.2 | 6.0 | 73.6 | 5.0 |
| LYMP # | 1.3 | 0.2 | 3.0 | 0.5 | 3.9 | 0.9 |
| MONO # | 0.2 | 0.2 | 0.6 | 0.4 | 1.5 | 0.7 |
| GRAN # | 0.5 | 0.2 | 4.1 | 0.5 | 15.1 | 1.1 |

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


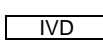

| Parameters | LOW | | NORMAL | | HIGH | |
|-------------------------|-------|---------|--------|---------|-------|---------|
| | Mean | Range ± | Mean | Range ± | Mean | Range ± |
| WBC 10 ⁹ /l | 2.0 | 0.4 | 8.0 | 0.8 | 21.4 | 2.0 |
| RBC 10 ¹² /l | 2.51 | 0.2 | 4.73 | 0.20 | 5.43 | 0.2 |
| Hb g/dl | 5.9 | 0.4 | 13.2 | 0.5 | 17.5 | 0.6 |
| Hb mmol/l | 3.7 | 0.3 | 8.2 | 0.4 | 10.9 | 0.5 |
| Hct % | 19.7 | 1.5 | 41.9 | 2.4 | 55.1 | 3.0 |
| Hct l/l | 0.197 | 0.0 | 0.419 | 0.024 | 0.551 | 0.030 |
| MCV fl | 78.5 | 4.0 | 88.5 | 4.0 | 101.5 | 4.0 |
| MCH pg | 23.5 | 2.4 | 27.9 | 2.8 | 32.2 | 2.8 |
| MCH fmol | 1.46 | 0.16 | 1.73 | 0.17 | 2.00 | 0.19 |
| MCHC g/dl | 29.9 | 3.0 | 31.5 | 3.0 | 31.8 | 3.0 |
| MCHC mmol/l | 18.6 | 2.0 | 19.6 | 2.0 | 19.7 | 2.0 |
| RDW % | 19.9 | 3.0 | 17.7 | 3.0 | 16.9 | 3.0 |
| Plts 10 ⁹ /l | 80 | 20 | 271 | 35 | 528 | 60 |
| MPV fl | 8.4 | 2.0 | 7.7 | 2.0 | 8.3 | 2.0 |
| PDW % | 16.8 | 3.0 | 15.4 | 3.0 | 14.2 | 3.0 |
| LYMP % | 45.8 | 6.0 | 32.7 | 5.0 | 26.9 | 4.0 |
| MONO % | 6.9 | 6.9 | 3.9 | 3.9 | 2.9 | 2.9 |
| GRAN % | 47.3 | 6.0 | 63.4 | 6.0 | 70.2 | 5.0 |
| LYMP # | 0.9 | 0.2 | 2.6 | 0.5 | 5.8 | 0.9 |
| MONO # | 0.1 | 0.1 | 0.3 | 0.3 | 0.6 | 0.6 |
| GRAN # | 0.9 | 0.2 | 5.1 | 0.5 | 15.0 | 1.1 |

Orphee MYTHIC 18

| Parameters | LOW | | NORMAL | | HIGH | |
|-------------------------|-------|---------|--------|---------|-------|---------|
| | Mean | Range ± | Mean | Range ± | Mean | Range ± |
| WBC 10 ⁹ /l | 2.0 | 0.4 | 7.8 | 0.8 | 20.5 | 2.0 |
| RBC 10 ¹² /l | 2.40 | 0.2 | 4.72 | 0.20 | 5.58 | 0.2 |
| Hb g/dl | 6.1 | 0.4 | 13.7 | 0.5 | 18.2 | 0.6 |
| Hb mmol/l | 3.8 | 0.3 | 8.5 | 0.4 | 11.3 | 0.5 |
| Hct % | 19.6 | 1.5 | 42.2 | 2.4 | 54.4 | 3.0 |
| Hct l/l | 0.196 | 0.015 | 0.422 | 0.024 | 0.544 | 0.030 |
| MCV fl | 81.5 | 4.0 | 89.5 | 4.0 | 97.5 | 4.0 |
| MCH pg | 25.4 | 2.4 | 29.0 | 2.8 | 32.6 | 2.8 |
| MCH fmol | 1.58 | 0.16 | 1.80 | 0.17 | 2.02 | 0.19 |
| MCHC g/dl | 31.2 | 3.0 | 32.4 | 3.0 | 33.5 | 3.0 |
| MCHC mmol/l | 19.4 | 2.0 | 20.1 | 2.0 | 20.8 | 2.0 |
| RDW % | 16.9 | 3.0 | 16.2 | 3.0 | 16.5 | 3.0 |
| Plts 10 ⁹ /l | 70 | 20 | 251 | 35 | 490 | 60 |
| MPV fl | 8.3 | 2.0 | 7.7 | 2.0 | 8.0 | 2.0 |
| LYMP % | 54.1 | 6.0 | 29.7 | 5.0 | 14.9 | 4.0 |
| MONO % | 8.7 | 6.0 | 4.5 | 4.5 | 3.9 | 3.9 |
| GRAN % | 37.2 | 6.0 | 65.8 | 6.0 | 81.2 | 5.0 |
| LYMP # | 1.1 | 0.2 | 2.3 | 0.5 | 3.1 | 0.9 |
| MONO # | 0.2 | 0.2 | 0.4 | 0.4 | 0.8 | 0.8 |
| GRAN # | 0.7 | 0.2 | 5.1 | 0.5 | 16.6 | 1.1 |

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

2°C  8°C  



LOT : 198
 : 2012-02-19

Mindray BC-3200, BC-3000CT

| Parameters | LOW | | NORMAL | | HIGH | |
|-------------------------|-------|---------|--------|---------|-------|---------|
| | Mean | Range ± | Mean | Range ± | Mean | Range ± |
| WBC 10 ⁹ /l | 2.0 | 0.5 | 8.1 | 1.0 | 20.9 | 2.5 |
| RBC 10 ¹² /l | 2.48 | 0.18 | 4.82 | 0.24 | 5.79 | 0.30 |
| Hb g/dl | 6.2 | 0.4 | 13.9 | 0.6 | 18.6 | 0.8 |
| Hb mmol/l | 3.8 | 0.3 | 8.6 | 0.4 | 11.5 | 0.5 |
| Hct % | 18.8 | 1.5 | 41.7 | 2.0 | 55.6 | 2.4 |
| Hct l/l | 0.188 | 0.015 | 0.417 | 0.020 | 0.556 | 0.024 |
| MCV fl | 76.0 | 5.0 | 86.5 | 5.0 | 96.0 | 5.0 |
| MCH pg | 25.0 | 2.5 | 28.8 | 2.5 | 32.1 | 2.5 |
| MCH fmol | 1.55 | 0.20 | 1.79 | 0.20 | 1.99 | 0.20 |
| MCHC g/dl | 32.9 | 3.0 | 33.3 | 3.0 | 33.5 | 3.0 |
| MCHC mmol/l | 20.5 | 2.0 | 20.7 | 2.0 | 20.8 | 2.0 |
| RDW-CV | 14.0 | 3.0 | 13.7 | 3.0 | 13.2 | 3.0 |
| RDW-SD | 36.0 | 6.0 | 39.0 | 6.0 | 41.0 | 8.0 |
| Plts 10 ⁹ /l | 76 | 20 | 248 | 40 | 490 | 60 |
| MPV fl | 8.3 | 3.0 | 8.0 | 3.0 | 7.8 | 3.0 |
| LYMP % | 58.5 | 12.0 | 28.0 | 8.0 | 12.5 | 6.0 |
| MONO % | 9.0 | 8.0 | 8.5 | 6.0 | 6.0 | 5.0 |
| GRAN % | 32.5 | 9.0 | 63.5 | 8.0 | 81.5 | 8.0 |
| LYMP # | 1.2 | 0.3 | 2.3 | 0.7 | 2.6 | 1.3 |
| MONO # | 0.2 | 0.2 | 0.7 | 0.5 | 1.3 | 1.1 |
| GRAN # | 0.7 | 0.2 | 5.1 | 0.7 | 17.0 | 1.7 |

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 | 8.1 | 1.0 | 21.5 | 2.5 |
| RBC 10 ¹² /l | 2.33 | 0.18 | 4.64 | 0.24 | 5.59 | 0.30 |
| Hb g/dl | 6.0 | 0.4 | 13.8 | 0.6 | 18.6 | 0.8 |
| Hb mmol/l | 3.7 | 0.3 | 8.6 | 0.4 | 11.5 | 0.5 |
| Hct % | 17.7 | 1.5 | 39.9 | 2.0 | 53.1 | 2.4 |
| Hct l/l | 0.177 | 0.015 | 0.399 | 0.020 | 0.531 | 0.024 |
| MCV fl | 76.0 | 5.0 | 86.0 | 5.0 | 95.0 | 5.0 |
| MCH pg | 25.8 | 2.5 | 29.7 | 2.5 | 33.3 | 2.5 |
| MCH fmol | 1.60 | 0.20 | 1.85 | 0.20 | 2.06 | 0.20 |
| MCHC g/dl | 33.9 | 3.0 | 34.6 | 3.0 | 35.0 | 3.0 |
| MCHC mmol/l | 21.0 | 2.0 | 21.5 | 2.0 | 21.7 | 2.0 |
| RDW-CV | 14.5 | 3.0 | 14.0 | 3.0 | 14.0 | 3.0 |
| RDW-SD | 37.0 | 6.0 | 41.5 | 6.0 | 45.0 | 8.0 |
| Plts 10 ⁹ /l | 60 | 25 | 240 | 45 | 530 | 65 |
| MPV fl | 8.8 | 3.0 | 8.8 | 3.0 | 8.8 | 3.0 |
| PCT % | 0.05 | 0.05 | 0.21 | 0.10 | 0.46 | 0.20 |
| PCT ml/l | 0.50 | 0.50 | 2.10 | 1.00 | 4.60 | 2.00 |
| PDW fl | 15.7 | 3.0 | 16.1 | 3.0 | 16.0 | 3.0 |
| LYMP % | 59.0 | 11.0 | 30.0 | 8.0 | 13.5 | 8.0 |
| MONO % | 10.0 | 7.0 | 7.5 | 7.0 | 5.5 | 5.0 |
| GRAN % | 31.0 | 8.0 | 62.5 | 9.0 | 81.0 | 9.0 |
| LYMP # | 1.1 | 0.3 | 2.4 | 0.7 | 2.9 | 1.8 |
| MONO # | 0.2 | 0.2 | 0.6 | 0.6 | 1.2 | 1.1 |
| GRAN # | 0.6 | 0.2 | 5.1 | 0.8 | 17.4 | 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 | 7.8 | 1.0 | 20.6 | 2.5 |
| RBC 10 ¹² /l | 2.40 | 0.18 | 4.67 | 0.24 | 5.64 | 0.30 |
| Hb g/dl | 6.2 | 0.4 | 13.9 | 0.6 | 19.0 | 0.8 |
| Hb mmol/l | 3.8 | 0.3 | 8.6 | 0.4 | 11.8 | 0.5 |
| Hct % | 18.0 | 1.5 | 40.2 | 2.0 | 53.6 | 2.4 |
| Hct l/l | 0.180 | 0.015 | 0.402 | 0.020 | 0.536 | 0.024 |
| MCV fl | 75.0 | 5.0 | 86.0 | 5.0 | 95.0 | 5.0 |
| MCH pg | 25.8 | 2.5 | 29.8 | 2.5 | 33.7 | 2.5 |
| MCH fmol | 1.60 | 0.20 | 1.85 | 0.20 | 2.09 | 0.20 |
| MCHC g/dl | 34.4 | 3.0 | 34.6 | 3.0 | 33.5 | 3.0 |
| MCHC mmol/l | 21.4 | 2.0 | 21.5 | 2.0 | 22.0 | 2.0 |
| RDW-CV | 16.2 | 3.0 | 15.5 | 3.0 | 15.0 | 3.0 |
| RDW-SD | 41.0 | 6.0 | 42.5 | 6.0 | 47.0 | 8.0 |
| Plts 10 ⁹ /l | 68 | 25 | 246 | 45 | 488 | 65 |
| MPV fl | 9.4 | 3.0 | 9.3 | 9.3 | 9.3 | 3.0 |
| PCT % | 0.06 | 0.05 | 0.22 | 0.10 | 0.45 | 0.20 |
| PCT ml/l | 0.60 | 0.50 | 2.20 | 1.00 | 4.50 | 2.00 |
| PDW fl | 15.0 | 3.0 | 14.9 | 3.0 | 14.7 | 3.0 |
| LYMP % | 62.5 | 10.0 | 32.0 | 8.0 | 14.5 | 7.0 |
| MONO % | 8.0 | 7.0 | 6.5 | 5.0 | 4.5 | 4.5 |
| GRAN % | 29.5 | 9.0 | 61.5 | 9.0 | 81.0 | 8.0 |
| LYMP # | 1.2 | 0.3 | 2.5 | 0.7 | 3.0 | 1.5 |
| MONO # | 0.2 | 0.2 | 0.5 | 0.4 | 0.9 | 0.9 |
| GRAN # | 0.6 | 0.2 | 4.8 | 0.8 | 16.7 | 1.7 |

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

| Parameters | LOW | | NORMAL | | HIGH | |
|-------------------------|-------|---------|--------|---------|-------|---------|
| | Mean | Range ± | Mean | Range ± | Mean | Range ± |
| WBC 10 ⁹ /l | 1.9 | 0.5 | 7.9 | 1.0 | 20.3 | 2.5 |
| RBC 10 ¹² /l | 2.50 | 0.18 | 4.80 | 0.24 | 5.78 | 0.30 |
| Hb g/dl | 6.1 | 0.4 | 13.8 | 0.6 | 18.6 | 0.8 |
| Hb mmol/l | 3.8 | 0.3 | 8.6 | 0.4 | 11.5 | 0.5 |
| Hct % | 18.9 | 1.5 | 42.0 | 2.0 | 56.1 | 2.4 |
| Hct l/l | 0.189 | 0.015 | 0.420 | 0.020 | 0.561 | 0.024 |
| MCV fl | 75.5 | 5.0 | 87.5 | 5.0 | 97.0 | 5.0 |
| MCH pg | 24.4 | 2.5 | 28.8 | 2.5 | 32.2 | 2.5 |
| MCH fmol | 1.51 | 0.20 | 1.78 | 0.20 | 2.00 | 0.20 |
| MCHC g/dl | 32.3 | 3.0 | 32.9 | 3.0 | 33.2 | 3.0 |
| MCHC mmol/l | 20.0 | 2.0 | 20.4 | 2.0 | 20.6 | 2.0 |
| RDW-CV | 15.8 | 3.0 | 14.5 | 3.0 | 14.0 | 3.0 |
| RDW-SD | 39.5 | 6.0 | 41.0 | 6.0 | 44.5 | 8.0 |
| Plts 10 ⁹ /l | 73 | 20 | 250 | 40 | 500 | 60 |
| MPV fl | 8.6 | 3.0 | 8.1 | 3.0 | 8.3 | 3.0 |
| PCT % | 0.06 | 0.05 | 0.20 | 0.10 | 0.42 | 0.20 |
| PCT ml/l | 0.60 | 0.50 | 2.00 | 1.00 | 4.20 | 2.00 |
| PDW fl | 16.2 | 3.0 | 15.7 | 3.0 | 15.6 | 3.0 |
| LYMP % | 58.0 | 12.0 | 30.5 | 8.0 | 14.5 | 7.0 |
| MONO % | 10.5 | 9.0 | 8.0 | 7.0 | 5.5 | 5.0 |
| GRAN % | 31.5 | 9.0 | 61.5 | 8.0 | 80.0 | 8.0 |
| LYMP # | 1.1 | 0.3 | 2.4 | 0.7 | 2.9 | 1.5 |
| MONO # | 0.2 | 0.2 | 0.6 | 0.6 | 1.1 | 1.0 |
| GRAN # | 0.6 | 0.2 | 4.9 | 0.7 | 16.2 | 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 | 7.8 | 1.0 | 19.3 | 2.5 |
| RBC 10 ¹² /l | 2.25 | 0.18 | 4.55 | 0.24 | 5.52 | 0.30 |
| Hb g/dl ** | 6.3 | 0.4 | 14.6 | 0.6 | 19.6 | 0.8 |
| Hb mmol/l ** | 3.9 | 0.3 | 9.1 | 0.4 | 12.2 | 0.5 |
| Hct % | 18.3 | 1.5 | 41.2 | 2.0 | 54.4 | 2.4 |
| Hct l/l | 0.183 | 0.015 | 0.412 | 0.020 | 0.544 | 0.024 |
| MCV fl | 81.5 | 5.0 | 90.5 | 5.0 | 98.5 | 5.0 |
| MCH pg ** | 28.0 | 2.5 | 32.1 | 2.5 | 35.5 | 2.5 |
| MCH fmol ** | 1.74 | 0.20 | 1.99 | 0.20 | 2.20 | 0.20 |
| MCHC g/dl ** | 34.4 | 3.0 | 35.5 | 3.0 | 36.0 | 3.0 |
| MCHC mmol/l ** | 21.3 | 2.0 | 22.0 | 2.0 | 22.4 | 2.0 |
| RDW-CV | 15.7 | 3.0 | 15.5 | 3.0 | 15.3 | 3.0 |
| RDW-SD | 45.7 | 6.0 | 50.1 | 6.0 | 53.8 | 8.0 |
| Plts 10 ⁹ /l | 77 | 20 | 239 | 40 | 458 | 60 |
| MPV fl | 8.3 | 3.0 | 8.1 | 3.0 | 8.3 | 3.0 |
| LYMP % | 53.8 | 12.0 | 27.9 | 8.0 | 12.8 | 7.0 |
| MONO % | 13.3 | 9.0 | 7.6 | 7.6 | 5.9 | 5.9 |
| GRAN % | 32.9 | 9.0 | 64.5 | 8.0 | 81.3 | 8.0 |
| LYMP # | 1.1 | 0.3 | 2.2 | 0.7 | 2.5 | 1.5 |
| MONO # | 0.3 | 0.3 | 0.6 | 0.6 | 1.1 | 1.1 |
| GRAN # | 0.7 | 0.2 | 5.0 | 0.7 | 15.7 | 1.7 |

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

| | | | | | | |
|-------------|------|------|------|------|------|------|
| Hb g/dl | 6.0 | 0.4 | 13.6 | 0.6 | 18.3 | 0.8 |
| Hb mmol/l | 3.7 | 0.3 | 8.4 | 0.4 | 11.4 | 0.5 |
| MCH pg | 26.7 | 2.5 | 29.9 | 2.5 | 33.2 | 2.5 |
| MCH fmol | 1.65 | 0.20 | 1.85 | 0.20 | 2.06 | 0.20 |
| MCHC g/dl | 32.7 | 3.0 | 33.0 | 3.0 | 33.7 | 3.0 |
| MCHC mmol/l | 20.3 | 2.0 | 20.5 | 2.0 | 20.9 | 2.0 |

Mindray BC-2300, BC-2100

| Parameters | LOW | | NORMAL | | HIGH | |
|-------------------------|-------|---------|--------|---------|-------|---------|
| | Mean | Range ± | Mean | Range ± | Mean | Range ± |
| WBC 10 ⁹ /l | 1.9 | 0.6 | 8.0 | 1.2 | 21.0 | 2.8 |
| RBC 10 ¹² /l | 2.36 | 0.20 | 4.54 | 0.28 | 5.48 | 0.35 |
| Hb g/dl | 6.1 | 0.5 | 13.7 | 0.8 | 18.4 | 1.0 |
| Hb mmol/l | 3.8 | 0.3 | 8.5 | 0.4 | 11.4 | 0.5 |
| Hct % | 17.0 | 1.5 | 38.1 | 2.0 | 51.2 | 2.4 |
| Hct l/l | 0.170 | 0.015 | 0.381 | 0.020 | 0.512 | 0.024 |
| MCV fl | 72.0 | 5.0 | 84.0 | 5.0 | 93.5 | 5.0 |
| MCH pg | 25.8 | 2.5 | 30.2 | 2.5 | 33.6 | 2.5 |
| MCH fmol | 1.60 | 0.20 | 1.87 | 0.20 | 2.08 | 0.20 |
| MCHC g/dl | 35.9 | 3.0 | 35.9 | 3.0 | 35.9 | 3.0 |
| MCHC mmol/l | 22.3 | 2.0 | 22.3 | 2.0 | 22.3 | 2.0 |
| RDW-CV | 14.0 | 3.0 | 13.0 | 3.0 | 12.5 | 3.0 |
| RDW-SD | 32.5 | 8.0 | 34.5 | 8.0 | 37.0 | 8.0 |
| Plts 10 ⁹ /l | 62 | 30 | 230 | 55 | 510 | 70 |
| MPV fl | 10.0 | 3.0 | 10.0 | 3.0 | 10.0 | 3.0 |
| PCT % | 0.05 | 0.05 | 0.22 | 0.10 | 0.54 | 0.20 |
| PCT ml/l | 0.50 | 0.50 | 2.20 | 1.00 | 5.40 | 2.00 |
| PDW fl | 14.9 | 3.0 | 15.0 | 3.0 | 15.0 | 3.0 |
| LYMP % | 59.0 | 10.0 | 31.0 | 8.0 | 15.0 | 8.0 |
| MONO % | 9.0 | 8.0 | 7.0 | 6.5 | 5.0 | 4.5 |
| GRAN % | 32.0 | 9.0 | 62.0 | 10.0 | 80.0 | 9.0 |
| LYMP # | 1.1 | 0.3 | 2.5 | 0.7 | 3.2 | 1.8 |
| MONO # | 0.2 | 0.2 | 0.6 | 0.6 | 1.1 | 1.0 |
| GRAN # | 0.6 | 0.2 | 5.0 | 0.9 | 16.8 | 1.9 |