

#### **EINLEITUNG**

**Diff-o-trol** ist ein Kontrollblut zur täglichen Überprüfung der Präzision und Genauigkeit von automatischen und halbautomatischen Hämatologie-Analysatoren mit 3-fach-Differenzierung.

#### **ZUSAMMENSETZUNG**

Moderne Hämatologie-Analysatoren liefern umfassende Informationen über Zellkonzentrationen und –volumina. Ein Kontrollblut für derartige Meßgeräte muß geeignete Zellarten beinhalten, um eine Qualitätskontrolle für alle Parameter zu ermöglichen. **Diff-o-trol** stellt ein solches Kontrollblut dar.

#### **PRINZIPIEN**

Die Verwendung von stabilisierten Zellpräparationen zur Kontrolle hämatologischer Geräte ist eine etablierte Methode. Werden diese wie Patientenblut gehandhabt und an einem gut kalibrierten Gerät gemessen, findet man für **Diff-o-trol** Werte innerhalb des Zielbereiches.

#### **BESTANDTEILE**

**Diff-o-trol** beinhaltet stabilisierte humane Erythrozyten, und simulierte Leukozyten und eine Säugetierthrombozytenkomponente in einem konservierenden Medium.

#### **WARNUNG**

1. Nur für in-vitro Diagnosezwecke einsetzen.
2. Das zur Herstellung dieses Produktes verwendete Humanblut zeigte keine Reaktion auf Hepatitis-B-Antigen, Hepatitis-C-Virus (HCV) und HIV bei Verwendung der durch die FDA spezifizierten Tests. Dennoch sollte es wie Humanblut behandelt werden.
3. **Diff-o-trol** -Abfälle sind nach den geltenden örtlichen Bestimmungen zu entsorgen.
4. **Diff-o-trol** ist gebrauchsfertig, es sollte weder verdünnt noch sollten weitere Substanzen hinzugefügt werden.
5. Kontrollblut nicht zur Kalibration verwenden.

#### **LAGERUNG UND STABILITÄT**

**Diff-o-trol** muß aufrecht bei 2° bis 10° C vor und nach Öffnung gelagert werden. **Diff-o-trol** ist bei der angegebenen Lagertemperatur bis zum angegebenen Datum verwendbar. Nach Öffnen der Flasche ist dieses 14 Tage stabil. Nicht verwendetes Material sollte nach 14 Tagen verworfen werden.

#### **GRENZEN**

Eine mikroskopische Differenzierung der Leukozyten kann nicht mit **Diff-o-trol** vorgenommen werden. Die Leukozytenkomponente simuliert Leukozyten in der Größe, jedoch nicht in der Morphologie.

#### **ANWENDUNG**

1. Nehmen Sie ein Fläschchen **Diff-o-trol** aus dem Kühlschrank, und lassen Sie es vor Gebrauch 15 Minuten bei Raumtemperatur (18 – 30° C) stehen.
2. Mischen Sie mehrfach durch vorsichtiges Überkopfschwenken bis der Bodensatz vollständig resuspendiert ist. Nicht schütteln, keinen mechanischen Mixer verwenden.
3. Verfahren Sie entsprechend der Bedienungsanleitung Ihres Meßgerätes zur Analyse des Kontrollmaterials.

4. Wischen Sie die Ränder des Fläschchens und des Schraubverschlusses mit einem fusselfreien Tuch ab, bevor Sie es wieder verschließen. Achten Sie darauf, daß das Fläschchen dicht geschlossen ist.  
Lagern Sie **Diff-o-trol** aufrecht stehend bei 2° - 8° C.

#### **ANGEGEBENE WERTE**

Die auf dem Datenblatt angegebenen Zielwerte von **Diff-o-trol** wurden durch mehrfache Analysen an mit Vollblut kalibrierten Geräten mittels Referenzmethoden bestimmt. Es wurden hierzu Vollblutproben gesunder Patienten in EDTA-Anticoagulant innerhalb 6 Stunden nach Entnahme analysiert. Die aufgeführten Zielbereiche repräsentieren mögliche Abweichungen zwischen Laboratorien, die unterschiedliche Arbeitsweisen und unterschiedliche Gerätekalibrationen aufweisen. Die Zielwerte sind ausschließlich für die Gerätekontrolle und nicht zur Kalibration zu verwenden.

Zur Bestimmung der eigenen Referenzwerte für ein Gerät, welches nicht aufgeführt ist, sollten mindestens 10 vergleichbare Werte eines jeden Levels gefunden werden, um einen Mittelwert zu ermitteln.

#### **HINWEISE AUF FEHLERHAFTES KONTROLLBLUT**

Bei Verwendung von fehlerhaftem oder verfallenen Kontrollblut können die Zielwerte nicht erreicht werden. Farbveränderungen des Kontrollblutes können auf zu hohe oder zu niedrige Temperatur hinweisen. Eine starke Färbung des Überstandes zeigt ein fehlerhaftes Produkt an, eine leichte Färbung ist jedoch normal. Liegen Kontrollwerte ständig außerhalb des Zielbereiches, gehen Sie folgendermaßen vor:

1. Überprüfen Sie, ob das benutzte Gerät einwandfrei arbeitet und die Kontrollmessungen entsprechend der Bedienungsanleitung vorgenommen wurden.
2. Überprüfen Sie das Verfallsdatum, verfallenes **Diff-o-trol** ist nicht verwendbar.
3. Analysieren Sie ein ungeöffnetes Fläschchen **Diff-o-trol**. Liegen die Werte noch immer außerhalb des Zielbereiches, wenden Sie sich an Ihren zuständigen Kundendienst.

#### **GESCHÄFTSBEDINGUNGEN**

Es gelten die allgemeinen Geschäftsbedingungen der **BGT BioGenTechnologies GmbH**, Von-Langen-Weg 10, D-48565 Steinfurt.

#### **BESTELLINFORMATIONEN**

Bitte rufen Sie den Kundendienst der **BGT BioGenTechnologies GmbH** unter 02551/4090 an.

**Aktuelle Wertebblätter zu den Chargen von Diff-o-trol finden Sie im Internet unter**

**[www.wertebblatt.de](http://www.wertebblatt.de)**

**LOT**

Ch.-B.:125

**1**

ASSAY VALUES AND EXPECTED RANGES

 ZIELWERTE UND BEREICHE *RiüBÄK*

 QCP Data Months : **August, September, October**

 QC-Monate : **August, September, Oktober**


Verw. bis: 16.11.2011

rev.20110829

| <b>Instrumente : Beckman-Coulter</b>   |                              | <b>Low/Niedrig</b>                        |              | <b>Normal</b>      |              | <b>High/Hoch</b>   |         |
|--|------------------------------|---|--------------|--------------------|--------------|--------------------|---------|
| <b>Instrument</b>  | <b>Parameter / Paramètre</b> | <b>Ch.-B.:1251</b>                        |              | <b>Ch.-B.:1252</b> |              | <b>Ch.-B.:1253</b> |         |
|  |                              | Mean                                      | Limit        | Mean               | Limit        | Mean               | Limit   |
|  |                              | Zielwert                                  | Bereich      | Zielwert           | Bereich      | Zielwert           | Bereich |
| <b>COULTER</b><br><b>Isoton III</b><br><br><b>JR, JS, JT Series</b><br><b>S-Plus II, III, IV, V, VI</b><br><b>ST, STKR, STKS*</b><br><b>MAXM*, HmX*</b><br><br>* CBC parameters only /<br>Nur 8 Grundparameter | WBC/Leuko                    | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 2.1 ± 0.14   | 7.6 ± 0.49         | 20.6 ± 1.34  |                    |         |
|  | RBC/Ery                      | 10 <sup>6</sup> /µL & 10 <sup>12</sup> /L | 2.37 ± 0.09  | 4.65 ± 0.19        | 5.64 ± 0.23  |                    |         |
|  | HGB/Hb                       | g/dL                                      | 5.9 ± 0.24   | 13.6 ± 0.54        | 18.1 ± 0.72  |                    |         |
|  |                              | g/L                                       | 59 ± 2.36    | 136 ± 5.44         | 181 ± 7.24   |                    |         |
|  |                              | mmol/L                                    | 3.7 ± 0.15   | 8.4 ± 0.34         | 11.2 ± 0.45  |                    |         |
|  | HCT                          | %   | 17.3 ± 0.87  | 39.3 ± 1.97        | 52.8 ± 2.64  |                    |         |
|  |                              | L/L                                       | 0.173 ± 0.01 | 0.393 ± 0.02       | 0.528 ± 0.03 |                    |         |
|  | MCV/VGM                      | fL  | 73 ± 4       | 85 ± 4             | 94 ± 4       |                    |         |
|  | MCH/TCMH                     | pg  | 24.9 ± 2.4   | 29.2 ± 2.8         | 32.1 ± 2.8   |                    |         |
|  |                              | fmol                                      | 1.56 ± 0.15  | 1.81 ± 0.17        | 1.99 ± 0.17  |                    |         |
|  |                              | g/dL                                      | 34.1 ± 3.0   | 34.6 ± 3.0         | 34.3 ± 3.0   |                    |         |
|  |                              | g/L                                       | 341 ± 30     | 346 ± 30           | 343 ± 30     |                    |         |
|  | <b>T-Series (1)</b>          |   | mmol/L       | 21.4 ± 1.9         | 21.4 ± 1.9   | 21.2 ± 1.9         |         |
| RDW/IDR  |                              | %   | 16.3 ± 3.0   | 15.5 ± 3.0         | 14.9 ± 3.0   |                    |         |
| PLT/Thrombo  |                              | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 67 ± 9       | 250 ± 21           | 510 ± 38     |                    |         |
| MPV/VPM  |                              | fL  | 7.3 ± 2.0    | 7.1 ± 2.0          | 7.6 ± 2.0    |                    |         |
| LY%  |                              | %   | 58.0 ± 8.0   | 33.0 ± 7.0         | 15.8 ± 7.0   |                    |         |
| MO%  |                              | %   | 13.0 ± 6.0   | 6.5 ± 6.0          | 4.7 ± 4.7    |                    |         |
| GR%  |                              | %   | 29.0 ± 8.0   | 60.5 ± 8.0         | 79.5 ± 8.0   |                    |         |
| LY#  |                              | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 1.2 ± 0.2    | 2.5 ± 0.5          | 3.3 ± 1.5    |                    |         |
| MO#  |                              | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 0.3 ± 0.1    | 0.5 ± 0.5          | 1.0 ± 1.0    |                    |         |
| GR#  |                              | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 0.6 ± 0.2    | 4.6 ± 0.6          | 16.4 ± 1.7   |                    |         |
| <b>Instrumente : Manual/Manuelle/Semi-Auto.</b>  |                              | <b>Low/Niedrig</b>                        |              | <b>Normal</b>      |              | <b>High/Hoch</b>   |         |
| <b>Instrument</b>  | <b>Parameter / Paramètre</b> | <b>Ch.-B.:1251</b>                        |              | <b>Ch.-B.:1252</b> |              | <b>Ch.-B.:1253</b> |         |
|  |                              | Mean                                      | Limit        | Mean               | Limit        | Mean               | Limit   |
|  |                              | Zielwert                                  | Bereich      | Zielwert           | Bereich      | Zielwert           | Bereich |
| <b>Manual / Manuelle</b><br><b>Semi-Auto.</b>  | WBC/Leuko                    | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 2.0 ± 0.13   | 7.5 ± 0.49         | 19.7 ± 1.28  |                    |         |
|  | RBC/Ery                      | 10 <sup>6</sup> /µL & 10 <sup>12</sup> /L | 2.30 ± 0.09  | 4.63 ± 0.19        | 5.70 ± 0.23  |                    |         |
|  | HGB/Hb                       | g/dL                                      | 5.9 ± 0.24   | 13.9 ± 0.56        | 18.6 ± 0.74  |                    |         |
|  |                              | g/L                                       | 59 ± 2.36    | 139 ± 5.56         | 186 ± 7.44   |                    |         |
|  |                              | mmol/L                                    | 3.7 ± 0.15   | 8.6 ± 0.34         | 11.5 ± 0.46  |                    |         |
|  | HCT                          | %   | 15.0 ± 0.75  | 34.5 ± 1.73        | 47.5 ± 2.38  |                    |         |
|  |                              | L/L                                       | 0.15 ± 0.01  | 0.35 ± 0.02        | 0.475 ± 0.02 |                    |         |
|  | PLT/Thrombo                  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 65 ± 9       | 265 ± 23           | 525 ± 39     |                    |         |

V2011

**LOT**

Ch.-B.:125

**2**

ASSAY VALUES AND EXPECTED RANGES

 ZIELWERTE UND BEREICHE *RiüBÄK*

 QCP Data Months : **August, September, October**

 QC-Monate : **August, September, Oktober**


Verw. bis: 16.11.2011

rev.20110829

| Instrumente : <b>Beckman-Coulter</b>                           |  | Low/Niedrig                               |                  | Normal           |                  | High/Hoch        |                  |
|--|--|---|------------------|------------------|------------------|------------------|------------------|
| Instrument   | Parameter / Paramètre                    | Ch.-B.:1251                               |                  | Ch.-B.:1252      |                  | Ch.-B.:1253      |                  |
|  |  | Mean<br>Zielwert                          | Limit<br>Bereich | Mean<br>Zielwert | Limit<br>Bereich | Mean<br>Zielwert | Limit<br>Bereich |
| <b>COULTER</b><br><b>A<sup>c</sup>-T 8, A<sup>c</sup>-T 10</b> | WBC/Leuko                                | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 2.1 ± 0.14       | 7.7 ± 0.50       | 20.5 ± 1.33      |                  |                  |
|  | RBC/Ery                                  | 10 <sup>6</sup> /µL & 10 <sup>12</sup> /L | 2.37 ± 0.09      | 4.65 ± 0.19      | 5.68 ± 0.23      |                  |                  |
|  | HGB/Hb                                   | g/dL                                      | 5.9 ± 0.24       | 13.6 ± 0.54      | 18.2 ± 0.73      |                  |                  |
|  |  | g/L                                       | 59 ± 2.36        | 136 ± 5.44       | 182 ± 7.28       |                  |                  |
|  |  | mmol/L                                    | 3.7 ± 0.15       | 8.4 ± 0.34       | 11.3 ± 0.45      |                  |                  |
|  | HCT                                      | %   | 17.4 ± 0.87      | 39.8 ± 1.99      | 53.1 ± 2.66      |                  |                  |
|  |  | L/L                                       | 0.174 ± 0.01     | 0.398 ± 0.02     | 0.531 ± 0.03     |                  |                  |
|  | MCV/VGM                                  | fL  | 74 ± 4           | 86 ± 4           | 94 ± 4           |                  |                  |
|  | MCH/TCMH                                 | pg  | 24.9 ± 2.4       | 29.2 ± 2.8       | 32.0 ± 2.8       |                  |                  |
|  |  | fmol                                      | 1.54 ± 0.16      | 1.81 ± 0.17      | 1.99 ± 0.19      |                  |                  |
|  | MCHC/CCMH                                | g/dL                                      | 33.9 ± 3.0       | 34.2 ± 3.0       | 34.3 ± 3.0       |                  |                  |
|  |  | g/L                                       | 339 ± 30         | 342 ± 30         | 343 ± 30         |                  |                  |
|  |  | mmol/L                                    | 21.0 ± 2.0       | 21.2 ± 2.0       | 21.2 ± 2.0       |                  |                  |
|  | PLT/Thrombo                              | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 67 ± 9           | 250 ± 21         | 510 ± 38         |                  |                  |
| LY%  | %  | 46.5 ± 6.0                                | 24.5 ± 5.0       | 10.0 ± 4.0       |                  |                  |                  |
| LY#  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 1.0 ± 0.2                                 | 1.9 ± 0.4        | 2.1 ± 0.9        |                  |                  |                  |
| <b>COULTER</b><br><b>A<sup>c</sup>-T Diff Serie</b>            | WBC/Leuko                                | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 2.1 ± 0.14       | 7.7 ± 0.50       | 20.5 ± 1.33      |                  |                  |
|  | RBC/Ery                                  | 10 <sup>6</sup> /µL & 10 <sup>12</sup> /L | 2.37 ± 0.09      | 4.65 ± 0.19      | 5.68 ± 0.23      |                  |                  |
|  | HGB/Hb                                   | g/dL                                      | 5.9 ± 0.24       | 13.6 ± 0.54      | 18.2 ± 0.73      |                  |                  |
|  |  | g/L                                       | 59 ± 2.36        | 136 ± 5.44       | 182 ± 7.28       |                  |                  |
|  |  | mmol/L                                    | 3.7 ± 0.15       | 8.4 ± 0.34       | 11.3 ± 0.45      |                  |                  |
|  | HCT                                      | %   | 17.4 ± 0.87      | 39.8 ± 1.99      | 53.1 ± 2.66      |                  |                  |
|  |  | L/L                                       | 0.174 ± 0.01     | 0.398 ± 0.02     | 0.531 ± 0.03     |                  |                  |
|  | MCV/VGM                                  | fL  | 74 ± 4           | 86 ± 4           | 94 ± 4           |                  |                  |
|  | MCH/TCMH                                 | pg  | 24.9 ± 2.4       | 29.2 ± 2.8       | 32.0 ± 2.8       |                  |                  |
|  |  | fmol                                      | 1.54 ± 0.16      | 1.81 ± 0.17      | 1.99 ± 0.19      |                  |                  |
|  | MCHC/CCMH                                | g/dL                                      | 33.9 ± 3.0       | 34.2 ± 3.0       | 34.3 ± 3.0       |                  |                  |
|  |  | g/L                                       | 339 ± 30         | 342 ± 30         | 343 ± 30         |                  |                  |
|  |  | mmol/L                                    | 21.0 ± 2.0       | 21.2 ± 2.0       | 21.2 ± 2.0       |                  |                  |
|  | RDW/IDR                                  | %   | 16.5 ± 3.0       | 15.8 ± 3.0       | 14.9 ± 3.0       |                  |                  |
|  | PLT/Thrombo                              | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 67 ± 9           | 250 ± 21         | 510 ± 38         |                  |                  |
|  | MPV/VPM                                  | fL  | 7.5 ± 2.0        | 7.4 ± 2.0        | 7.6 ± 2.0        |                  |                  |
|  | LY%                                      | %   | 60.0 ± 6.0       | 32.5 ± 5.0       | 14.5 ± 4.0       |                  |                  |
|  | MO%                                      | %   | 10.0 ± 4.0       | 5.0 ± 4.0        | 3.5 ± 3.0        |                  |                  |
|  | GR%                                      | %   | 30.0 ± 5.0       | 62.5 ± 6.0       | 82.0 ± 5.0       |                  |                  |
|  | LY#                                      | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 1.3 ± 0.2        | 2.5 ± 0.4        | 3.0 ± 0.9        |                  |                  |
| MO#  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 0.2 ± 0.1                                 | 0.4 ± 0.4        | 0.7 ± 0.7        |                  |                  |                  |
| GR#  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 0.6 ± 0.2                                 | 4.8 ± 0.5        | 16.8 ± 1.1       |                  |                  |                  |

V2011

**LOT**

Ch.-B.:125

**3**

 ASSAY VALUES AND EXPECTED RANGES  
 ZIELWERTE UND BEREICHE *RiüBÄK*

 QCP Data Months : **August, September, October**

 QC-Monate : **August, September, Oktober**


Verw. bis: 16.11.2011

rev.20110829

| Instrumente : <b>Beckman</b>                                   |                       |   | Low/Niedrig      |                  | Normal           |                  | High/Hoch        |                  |
|--|-----------------------|---|------------------|------------------|------------------|------------------|------------------|------------------|
| Instrument   | Parameter / Paramètre |   | Ch.-B.:1251      |                  | Ch.-B.:1252      |                  | Ch.-B.:1253      |                  |
|  |                       |   | Mean<br>Zielwert | Limit<br>Bereich | Mean<br>Zielwert | Limit<br>Bereich | Mean<br>Zielwert | Limit<br>Bereich |
| <b>BECKMAN COULTER</b><br><b>A<sup>C</sup>•T 5 Diff AL</b>     | WBC/Leuko             | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 2.0 ± 0.13       |                  | 7.7 ± 0.50       |                  | 20.7 ± 1.35      |                  |
|  | RBC/Ery               | 10 <sup>6</sup> /µL & 10 <sup>12</sup> /L | 2.35 ± 0.09      |                  | 4.75 ± 0.19      |                  | 5.75 ± 0.23      |                  |
|  | HGB/Hb                | g/dL                                      | 5.8 ± 0.23       |                  | 13.6 ± 0.54      |                  | 18.2 ± 0.73      |                  |
|  |                       | g/L                                       | 58 ± 2.32        |                  | 136 ± 5.44       |                  | 182 ± 7.28       |                  |
|  |                       | mmol/L                                    | 3.60 ± 0.14      |                  | 8.45 ± 0.34      |                  | 11.30 ± 0.45     |                  |
|  | HCT                   | %   | 16.4 ± 0.82      |                  | 37.8 ± 1.89      |                  | 50.2 ± 2.51      |                  |
|  |                       | L/L                                       | 0.164 ± 0.008    |                  | 0.378 ± 0.019    |                  | 0.502 ± 0.025    |                  |
|  | MCV/VGM               | fL  | 70 ± 5           |                  | 80 ± 5           |                  | 87 ± 5           |                  |
|  | MCH/TCMH              | pg  | 24.7 ± 2.5       |                  | 28.6 ± 3.0       |                  | 31.7 ± 3.0       |                  |
|  |                       | fmol                                      | 1.53 ± 0.15      |                  | 1.78 ± 0.19      |                  | 1.97 ± 0.19      |                  |
|  | MCHC/CCMH             | g/dL                                      | 35.4 ± 3.5       |                  | 36.0 ± 3.5       |                  | 36.3 ± 3.8       |                  |
|  |                       | g/L                                       | 354 ± 35         |                  | 360 ± 35         |                  | 363 ± 38         |                  |
|  |                       | mmol/L                                    | 22.0 ± 2.2       |                  | 22.4 ± 2.2       |                  | 22.5 ± 2.4       |                  |
|  | RDW/IDR               | %   | 15.0 ± 5.5       |                  | 14.5 ± 5.5       |                  | 12.5 ± 5.5       |                  |
|  | PLT/Thrombo           | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 65 ± 9           |                  | 255 ± 22         |                  | 530 ± 40         |                  |
|  | MPV/VPM               | fL  | 9.0 ± 3.0        |                  | 8.5 ± 3.0        |                  | 8.4 ± 3.0        |                  |
| PCT/THT  | %                     | 0.059 ± 0.035                             |                  | 0.217 ± 0.065    |                  | 0.445 ± 0.110    |                  |                  |
|  | mL/L                  | 0.59 ± 0.35                               |                  | 2.17 ± 0.65      |                  | 4.45 ± 1.10      |                  |                  |
|  | PDW/IDP               | %   | 18.5 ± 10.0      |                  | 14.0 ± 7.0       |                  | 12.5 ± 7.0       |                  |
| <b>BECKMAN COULTER</b><br><b>A<sup>C</sup>•T 5 Diff Series</b> | WBC/GB                | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 2.0 ± 0.1        |                  | 7.6 ± 0.5        |                  | 21.2 ± 1.4       |                  |
|  | RBC/GR                | 10 <sup>6</sup> /µL & 10 <sup>12</sup> /L | 2.40 ± 0.10      |                  | 4.67 ± 0.19      |                  | 5.70 ± 0.23      |                  |
|  | Hgb                   | g/dL                                      | 5.9 ± 0.2        |                  | 13.4 ± 0.5       |                  | 18.1 ± 0.7       |                  |
|  |                       | g/L                                       | 59 ± 2           |                  | 134 ± 5          |                  | 181 ± 7          |                  |
|  |                       | mmol/L                                    | 3.66 ± 0.15      |                  | 8.32 ± 0.33      |                  | 11.24 ± 0.45     |                  |
|  | Hct                   | %   | 16.2 ± 0.8       |                  | 37.5 ± 1.9       |                  | 50.2 ± 2.5       |                  |
|  |                       | L/L                                       | 0.162 ± 0.008    |                  | 0.375 ± 0.019    |                  | 0.502 ± 0.025    |                  |
|  | MCV/VGM               | fL  | 68 ± 5           |                  | 80 ± 5           |                  | 88 ± 5           |                  |
|  | MCH/TCMH              | pg  | 24.6 ± 2.5       |                  | 28.7 ± 3.0       |                  | 31.8 ± 3.0       |                  |
|  |                       | fmol                                      | 1.53 ± 0.16      |                  | 1.78 ± 0.19      |                  | 1.97 ± 0.19      |                  |
|  | MCHC/CCMH             | g/dL                                      | 36.4 ± 3.5       |                  | 35.7 ± 3.5       |                  | 36.1 ± 3.8       |                  |
|  |                       | g/L                                       | 364 ± 35         |                  | 357 ± 35         |                  | 361 ± 38         |                  |
|  |                       | mmol/L                                    | 22.6 ± 2.2       |                  | 22.2 ± 2.2       |                  | 22.4 ± 2.4       |                  |
|  | RDW/IDR               | %   | 16.0 ± 5.5       |                  | 13.5 ± 5.5       |                  | 12.5 ± 5.5       |                  |
|  | Plt                   | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 70 ± 9           |                  | 250 ± 21         |                  | 515 ± 39         |                  |
|  | MPV/VPM               | fL  | 9.0 ± 3.0        |                  | 8.3 ± 3.0        |                  | 8.2 ± 3.0        |                  |
| Pct/Tht  | %                     | 0.063 ± 0.035                             |                  | 0.208 ± 0.065    |                  | 0.422 ± 0.110    |                  |                  |
|  | mL/L                  | 0.63 ± 0.35                               |                  | 2.08 ± 0.65      |                  | 4.22 ± 1.10      |                  |                  |
|  | PDW/IDP               | %   | 18.5 ± 10.0      |                  | 14.0 ± 7.0       |                  | 13.0 ± 7.0       |                  |

V2011

**LOT**

Ch.-B.:125

**4**

ASSAY VALUES AND EXPECTED RANGES

 ZIELWERTE UND BEREICHE *RiibÄK*

 QCP Data Months : **August, September, October**

 QC-Monate : **August, September, Oktober**


Verw. bis: 16.11.2011

rev.20110829

| Instrumente : <b>MELET SCHLOESING</b>                                 |  | Low/Niedrig                            |                                     | Normal           |                  | High/Hoch        |                  |  |
|---|--|--|-------------------------------------|------------------|------------------|------------------|------------------|--|
| Instrument  | Parameter / Paramètre                  | Ch.-B.:1251                            |                                     | Ch.-B.:1252      |                  | Ch.-B.:1253      |                  |  |
|   |  | Mean<br>Zielwert                       | Limit<br>Bereich                    | Mean<br>Zielwert | Limit<br>Bereich | Mean<br>Zielwert | Limit<br>Bereich |  |
| <b>MELET SCHLOESING</b><br><br><b>MS9 Series</b><br><b>MS4V/MS4-4</b> | WBC/Leuko                              | $10^3/\mu\text{L} \& 10^9/\text{L}$    | 2.0 ± 0.13                          | 7.3 ± 0.47       | 19.9 ± 1.29      |                  |                  |  |
|   | RBC/Ery                                | $10^6/\mu\text{L} \& 10^{12}/\text{L}$ | 2.41 ± 0.10                         | 4.73 ± 0.19      | 5.75 ± 0.23      |                  |                  |  |
|   | HGB/Hb                                 | g/dL                                   | 5.9 ± 0.24                          | 13.4 ± 0.54      | 17.9 ± 0.72      |                  |                  |  |
|   |  | g/L                                    | 59 ± 2.36                           | 134 ± 5.36       | 179 ± 7.16       |                  |                  |  |
|   |  | mmol/L                                 | 3.66 ± 0.15                         | 8.32 ± 0.33      | 11.12 ± 0.44     |                  |                  |  |
|   | HCT                                    | %                                      | 17.1 ± 0.86                         | 39.4 ± 1.97      | 53.8 ± 2.69      |                  |                  |  |
|   |  | L/L                                    | 0.171 ± 0.009                       | 0.394 ± 0.020    | 0.538 ± 0.027    |                  |                  |  |
|   | <i>MS9-5 und MS4-H<br/>auf Anfrage</i> | MCV/VGM                                | fL                                  | 71.0 ± 4.0       | 83.0 ± 4.0       | 94.0 ± 4.0       |                  |  |
|   |  | MCH/TCMH                               | pg                                  | 24.5 ± 3.0       | 28.3 ± 3.2       | 31.1 ± 3.5       |                  |  |
|   |  |  | fmol                                | 1.52 ± 0.19      | 1.76 ± 0.20      | 1.93 ± 0.22      |                  |  |
| MCHC/CCMH   |  | g/dL                                   | 34.5 ± 3.0                          | 34.0 ± 3.0       | 33.3 ± 3.0       |                  |                  |  |
|   |  | g/L                                    | 345 ± 30                            | 340 ± 30         | 333 ± 30         |                  |                  |  |
|   |  | mmol/L                                 | 21.4 ± 1.9                          | 21.1 ± 1.9       | 20.7 ± 1.9       |                  |                  |  |
| PLT/Thrombo   |  | $10^3/\mu\text{L} \& 10^9/\text{L}$    | 87 ± 12                             | 265 ± 23         | 510 ± 38         |                  |                  |  |
| MPV/VPM   |  | fL                                     | 5.8 ± 3.0                           | 6.6 ± 3.0        | 8.2 ± 3.0        |                  |                  |  |
| LYM%  |  | %                                      | 64.0 ± 31.0                         | 36.0 ± 10.0      | 15.6 ± 7.5       |                  |                  |  |
| MON%  |  | %                                      | 9.0 ± 9.0                           | 4.1 ± 4.1        | 4.7 ± 4.7        |                  |                  |  |
| GRA/NEU%  |  | %                                      | 27.0 ± 10.0                         | 59.9 ± 12.0      | 79.7 ± 14.0      |                  |                  |  |
| LYM#  |  | $10^3/\mu\text{L} \& 10^9/\text{L}$    | 1.3 ± 0.6                           | 2.6 ± 0.7        | 3.1 ± 1.5        |                  |                  |  |
| MON#  |  | $10^3/\mu\text{L} \& 10^9/\text{L}$    | 0.2 ± 0.2                           | 0.3 ± 0.3        | 0.9 ± 0.9        |                  |                  |  |
| GRA#  |  | $10^3/\mu\text{L} \& 10^9/\text{L}$    | 0.5 ± 0.2                           | 4.4 ± 0.9        | 15.9 ± 2.8       |                  |                  |  |
| Instrumente : <b>ABX</b>  |  |  |                                     |                  |                  |                  |                  |  |
| <b>ABX</b>  |  | WBC/Leuko                              | $10^3/\mu\text{L} \& 10^9/\text{L}$ | 2.0 ± 0.13       | 7.6 ± 0.49       | 20.0 ± 1.30      |                  |  |
|   | RBC/Ery                                | $10^6/\mu\text{L} \& 10^{12}/\text{L}$ | 2.40 ± 0.10                         | 4.70 ± 0.19      | 5.76 ± 0.23      |                  |                  |  |
| <b>MICROS Series*</b>   | HGB/Hb                                 | g/dL                                   | 6.0 ± 0.24                          | 13.5 ± 0.54      | 18.0 ± 0.72      |                  |                  |  |
|   |  | g/L                                    | 60 ± 2.40                           | 135 ± 5.40       | 180 ± 7.20       |                  |                  |  |
| <b>MICROS CRP Series*</b>   |  | mmol/L                                 | 3.73 ± 0.15                         | 8.38 ± 0.34      | 11.18 ± 0.45     |                  |                  |  |
|   | HCT                                    | %                                      | 16.6 ± 0.83                         | 38.0 ± 1.90      | 51.8 ± 2.59      |                  |                  |  |
| <b>MICROS 60</b>  |  | L/L                                    | 0.166 ± 0.008                       | 0.380 ± 0.019    | 0.518 ± 0.026    |                  |                  |  |
|   | MCV/VGM                                | fL                                     | 69.2 ± 4.0                          | 80.9 ± 4.0       | 89.9 ± 4.0       |                  |                  |  |
|   | MCH/TCMH                               | pg                                     | 25.0 ± 2.4                          | 28.7 ± 2.4       | 31.3 ± 2.8       |                  |                  |  |
|   |  | fmol                                   | 1.55 ± 0.15                         | 1.78 ± 0.15      | 1.94 ± 0.17      |                  |                  |  |
|   | MCHC/CCMH                              | g/dL                                   | 36.1 ± 3.0                          | 35.5 ± 3.0       | 34.7 ± 3.0       |                  |                  |  |
|   |  | g/L                                    | 361 ± 30                            | 355 ± 30         | 347 ± 30         |                  |                  |  |
|   |  | mmol/L                                 | 22.5 ± 1.9                          | 22.1 ± 1.9       | 21.6 ± 1.9       |                  |                  |  |
|   | RDW/IDR                                | %                                      | 14.0 ± 3.0                          | 13.0 ± 3.0       | 13.0 ± 3.0       |                  |                  |  |
|   | PLT/Thrombo                            | $10^3/\mu\text{L} \& 10^9/\text{L}$    | 73 ± 10                             | 255 ± 22         | 510 ± 38         |                  |                  |  |
|   | MPV/VPM                                | fL                                     | 8.4 ± 2.0                           | 7.6 ± 2.0        | 7.4 ± 2.0        |                  |                  |  |
|   | Pct/Tht                                | %                                      | 0.061 ± 0.040                       | 0.194 ± 0.060    | 0.377 ± 0.100    |                  |                  |  |
|   |  | mL/L                                   | 0.61 ± 0.40                         | 1.94 ± 0.60      | 3.77 ± 1.00      |                  |                  |  |
|   | PDW/IDP                                | %                                      | 14.5 ± 7.5                          | 14.5 ± 6.5       | 14.5 ± 6.0       |                  |                  |  |
|   | LYM%                                   | %                                      | 63.5 ± 8.0                          | 32.5 ± 6.0       | 14.0 ± 6.0       |                  |                  |  |
|   | MON%                                   | %                                      | 13.0 ± 6.0                          | 7.0 ± 5.0        | 5.0 ± 4.0        |                  |                  |  |
|   | GRA%                                   | %                                      | 23.5 ± 7.0                          | 60.5 ± 7.0       | 81.0 ± 7.0       |                  |                  |  |
|   | LYM#                                   | $10^3/\mu\text{L} \& 10^9/\text{L}$    | 1.3 ± 0.2                           | 2.5 ± 0.5        | 2.8 ± 1.2        |                  |                  |  |
|   | MON#                                   | $10^3/\mu\text{L} \& 10^9/\text{L}$    | 0.3 ± 0.1                           | 0.5 ± 0.4        | 1.0 ± 0.8        |                  |                  |  |
|   | GRA#                                   | $10^3/\mu\text{L} \& 10^9/\text{L}$    | 0.5 ± 0.1                           | 4.6 ± 0.5        | 16.2 ± 1.4       |                  |                  |  |

**LOT**

Ch.-B.:125

**5**

ASSAY VALUES AND EXPECTED RANGES

 ZIELWERTE UND BEREICHE *RiüBÄK*

 QCP Data Months : **August, September, October**

 QC-Monate : **August, September, Oktober**


Verw. bis: 16.11.2011

rev.20110829

| Instrumente : <b>ABX</b>  |  |   | Low/Niedrig      |                  | Normal           |                  | High/Hoch        |                  |
|---|--|---|------------------|------------------|------------------|------------------|------------------|------------------|
| Instrument  | Parameter / Paramètre                    |   | Ch.-B.:1251      |                  | Ch.-B.:1252      |                  | Ch.-B.:1253      |                  |
|   |  |   | Mean<br>Zielwert | Limit<br>Bereich | Mean<br>Zielwert | Limit<br>Bereich | Mean<br>Zielwert | Limit<br>Bereich |
| <b>ABX</b><br><br><b>Minos STX</b><br><b>Minos STEL</b><br><b>Minos STEX</b><br><b>Minos ST*</b><br><b>Minos STE*</b><br><b>Minos Vet*</b><br><br>* Using Minoton LMG and<br>Minolyse LMG.<br><br>* Avec réactifs Minoton<br>LMG et Minolyse LMG. | WBC/Leuko                                | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 1.9 ± 0.25       |                  | 7.5 ± 0.49       |                  | 20.2 ± 1.31      |                  |
|   | RBC/Ery                                  | 10 <sup>6</sup> /µL & 10 <sup>12</sup> /L | 2.37 ± 0.09      |                  | 4.67 ± 0.19      |                  | 5.71 ± 0.23      |                  |
|   | HGB/Hb                                   | g/dL                                      | 5.9 ± 0.24       |                  | 13.5 ± 0.54      |                  | 18.2 ± 0.73      |                  |
|   |  | g/L                                       | 59 ± 2.36        |                  | 135 ± 5.40       |                  | 182 ± 7.28       |                  |
|   |  | mmol/L                                    | 3.66 ± 0.15      |                  | 8.38 ± 0.34      |                  | 11.30 ± 0.45     |                  |
|   | HCT                                      | %   | 15.9 ± 0.80      |                  | 37.9 ± 1.90      |                  | 49.9 ± 2.50      |                  |
|   |  | L/L                                       | 0.159 ± 0.008    |                  | 0.379 ± 0.019    |                  | 0.499 ± 0.025    |                  |
|   | MCV/VGM                                  | fL  | 67 ± 5           |                  | 81 ± 5           |                  | 87 ± 5           |                  |
|   | MCH/TCMH                                 | pg  | 24.9 ± 2.5       |                  | 28.9 ± 3.0       |                  | 31.9 ± 3.5       |                  |
|   |  | fmol                                      | 1.54 ± 0.15      |                  | 1.79 ± 0.19      |                  | 1.98 ± 0.22      |                  |
|   |  | g/dL                                      | 37.1 ± 3.5       |                  | 35.6 ± 3.5       |                  | 36.5 ± 3.5       |                  |
|   |  | g/L                                       | 371 ± 35         |                  | 356 ± 35         |                  | 365 ± 35         |                  |
|   |  | mmol/L                                    | 23.0 ± 2.2       |                  | 22.1 ± 2.2       |                  | 22.6 ± 2.2       |                  |
|   | RDW/IDR                                  | %   | 14.5 ± 8.0       |                  | 12.5 ± 7.0       |                  | 12.0 ± 6.0       |                  |
|   | PLT/Thrombo                              | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 72 ± 10          |                  | 252 ± 21         |                  | 506 ± 38         |                  |
|   | MPV/VPM                                  | fL  | 8.5 ± 3.0        |                  | 7.8 ± 3.0        |                  | 7.7 ± 3.0        |                  |
|   | LYM%                                     | %   | 60 ± 25          |                  | 31 ± 12          |                  | 14 ± 6           |                  |
|   | MON%                                     | %   | 12 ± 12          |                  | 7 ± 7            |                  | 6 ± 6            |                  |
|   | GRA%                                     | %   | 28 ± 15          |                  | 62 ± 20          |                  | 80 ± 20          |                  |
|   | LYM#                                     | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 1.1 ± 0.5        |                  | 2.3 ± 0.9        |                  | 2.8 ± 1.2        |                  |
| MON#  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 0.2 ± 0.2                                 |                  | 0.5 ± 0.5        |                  | 1.2 ± 1.2        |                  |                  |
| GRA#  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 0.5 ± 0.3                                 |                  | 4.7 ± 1.5        |                  | 16.2 ± 4.1       |                  |                  |
| <b>ABX</b><br><br><b>ARGOS</b><br><b>HELIOS</b>   | WBC/Leuko                                | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 1.9 ± 0.25       |                  | 7.5 ± 0.49       |                  | 20.2 ± 1.31      |                  |
|   | RBC/Ery                                  | 10 <sup>6</sup> /µL & 10 <sup>12</sup> /L | 2.37 ± 0.09      |                  | 4.67 ± 0.19      |                  | 5.71 ± 0.23      |                  |
|   | HGB/Hb                                   | g/dL                                      | 5.9 ± 0.24       |                  | 13.5 ± 0.54      |                  | 18.2 ± 0.73      |                  |
|   |  | g/L                                       | 59 ± 2.36        |                  | 135 ± 5.40       |                  | 182 ± 7.28       |                  |
|   |  | mmol/L                                    | 3.66 ± 0.15      |                  | 8.38 ± 0.34      |                  | 11.30 ± 0.45     |                  |
|   | HCT                                      | %   | 15.9 ± 0.80      |                  | 37.9 ± 1.90      |                  | 49.9 ± 2.50      |                  |
|   |  | L/L                                       | 0.159 ± 0.008    |                  | 0.379 ± 0.019    |                  | 0.499 ± 0.025    |                  |
|   | MCV/VGM                                  | fL  | 67 ± 5           |                  | 81 ± 5           |                  | 87 ± 5           |                  |
|   | MCH/TCMH                                 | pg  | 24.9 ± 2.5       |                  | 28.9 ± 3.0       |                  | 31.9 ± 3.5       |                  |
|   |  | fmol                                      | 1.54 ± 0.15      |                  | 1.79 ± 0.19      |                  | 1.98 ± 0.22      |                  |
|   |  | g/dL                                      | 37.1 ± 3.5       |                  | 35.6 ± 3.5       |                  | 36.5 ± 3.5       |                  |
|   |  | g/L                                       | 371 ± 35         |                  | 356 ± 35         |                  | 365 ± 35         |                  |
|   |  | mmol/L                                    | 23.0 ± 2.2       |                  | 22.1 ± 2.2       |                  | 22.6 ± 2.2       |                  |
|   | RDW/IDR                                  | %   | 14.5 ± 8.0       |                  | 12.5 ± 7.0       |                  | 12.0 ± 6.0       |                  |
|   | PLT/Thrombo                              | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 72 ± 10          |                  | 252 ± 21         |                  | 506 ± 38         |                  |
|   | MPV/VPM                                  | fL  | 8.5 ± 3.0        |                  | 7.8 ± 3.0        |                  | 7.7 ± 3.0        |                  |
|   | LYM%                                     | %   | 60 ± 25          |                  | 31 ± 12          |                  | 14 ± 6           |                  |
|   | MON%                                     | %   | 12 ± 12          |                  | 7 ± 7            |                  | 6 ± 6            |                  |
|   | GRA%                                     | %   | 28 ± 15          |                  | 62 ± 20          |                  | 80 ± 20          |                  |
|   | LYM#                                     | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 1.1 ± 0.5        |                  | 2.3 ± 0.9        |                  | 2.8 ± 1.2        |                  |
| MON#  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 0.2 ± 0.2                                 |                  | 0.5 ± 0.5        |                  | 1.2 ± 1.2        |                  |                  |
| GRA#  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 0.5 ± 0.3                                 |                  | 4.7 ± 1.5        |                  | 16.2 ± 4.1       |                  |                  |

**LOT**

Ch.-B.:125

**6**

ASSAY VALUES AND EXPECTED RANGES

 ZIELWERTE UND BEREICHE *RiüBÄK*

 QCP Data Months : **August, September, October**

 QC-Monate : **August, September, Oktober**


Verw. bis: 16.11.2011

rev.20110829

| Instrumente : <b>BAYER/SIEMENS</b> |  | Low/Niedrig                               |  | Normal           |                  | High/Hoch        |                  |
|------------------------------------|--|---|--|------------------|------------------|------------------|------------------|
| Instrument                         | Parameter / Paramètre                                  | Ch.-B.:1251                               |  | Ch.-B.:1252      |                  | Ch.-B.:1253      |                  |
|                                    |  | Mean<br>Zielwert                          | Limit<br>Bereich                         | Mean<br>Zielwert | Limit<br>Bereich | Mean<br>Zielwert | Limit<br>Bereich |
| <b>BAYER/SIEMENS</b>               | WBC/Leuko  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 2.0 ± 0.13                               | 7.6 ± 0.49       | 20.0 ± 1.30      |                  |                  |
|                                    | RBC/Ery  | 10 <sup>6</sup> /µL & 10 <sup>12</sup> /L | 2.40 ± 0.10                              | 4.70 ± 0.19      | 5.76 ± 0.23      |                  |                  |
|                                    | HGB/Hb   | g/dL                                      | 6.0 ± 0.24                               | 13.5 ± 0.54      | 18.0 ± 0.72      |                  |                  |
| <b>BAYER/SIEMENS</b>               |  | g/L                                       | 60 ± 2.40                                | 135 ± 5.40       | 180 ± 7.20       |                  |                  |
|                                    |  | mmol/L                                    | 3.73 ± 0.15                              | 8.38 ± 0.34      | 11.18 ± 0.45     |                  |                  |
|                                    | HCT  | %   | 16.6 ± 0.83                              | 38.0 ± 1.90      | 51.8 ± 2.59      |                  |                  |
| <b>ADVIA 60</b>                    |  | L/L                                       | 0.166 ± 0.008                            | 0.380 ± 0.019    | 0.518 ± 0.026    |                  |                  |
|                                    | MCV/VGM  | fL  | 69.2 ± 4.0                               | 80.9 ± 4.0       | 89.9 ± 4.0       |                  |                  |
|                                    | MCH/TCMH   | pg  | 25.0 ± 2.4                               | 28.7 ± 2.4       | 31.3 ± 2.8       |                  |                  |
|                                    |  | fmol                                      | 1.55 ± 0.15                              | 1.78 ± 0.15      | 1.94 ± 0.17      |                  |                  |
|                                    | MCHC/CCMH  | g/dL                                      | 36.1 ± 3.0                               | 35.5 ± 3.0       | 34.7 ± 3.0       |                  |                  |
|                                    |  | g/L                                       | 361 ± 30                                 | 355 ± 30         | 347 ± 30         |                  |                  |
|                                    |  | mmol/L                                    | 22.5 ± 1.9                               | 22.1 ± 1.9       | 21.6 ± 1.9       |                  |                  |
|                                    | RDW/IDR  | %   | 14.0 ± 3.0                               | 13.0 ± 3.0       | 13.0 ± 3.0       |                  |                  |
|                                    | PLT/Thrombo  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 73 ± 10                                  | 255 ± 22         | 510 ± 38         |                  |                  |
|                                    | MPV/VPM  | fL  | 8.4 ± 2.0                                | 7.6 ± 2.0        | 7.4 ± 2.0        |                  |                  |
|                                    | Pct/Tht  | %   | 0.061 ± 0.040                            | 0.194 ± 0.060    | 0.377 ± 0.100    |                  |                  |
|                                    |  | mL/L                                      | 0.61 ± 0.40                              | 1.94 ± 0.60      | 3.77 ± 1.00      |                  |                  |
|                                    | PDW/IDP  | %   | 14.5 ± 7.5                               | 14.5 ± 6.5       | 14.5 ± 6.0       |                  |                  |
|                                    | LYM%   | %   | 63.5 ± 8.0                               | 32.5 ± 6.0       | 14.0 ± 6.0       |                  |                  |
|                                    | MON%   | %   | 13.0 ± 6.0                               | 7.0 ± 5.0        | 5.0 ± 4.0        |                  |                  |
|                                    | GRA%   | %   | 23.5 ± 7.0                               | 60.5 ± 7.0       | 81.0 ± 7.0       |                  |                  |
|                                    | LYM#   | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 1.3 ± 0.2                                | 2.5 ± 0.5        | 2.8 ± 1.2        |                  |                  |
|                                    | MON#   | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 0.3 ± 0.1                                | 0.5 ± 0.4        | 1.0 ± 0.8        |                  |                  |
|                                    | GRA#   | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 0.5 ± 0.1                                | 4.6 ± 0.5        | 16.2 ± 1.4       |                  |                  |
|                                    | <b>ABX<br/>Pentra 60 Series<br/>Pentra 60C+ Series</b> | WBC/Leuko                                 | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 2.0 ± 0.13       | 7.6 ± 0.49       | 21.2 ± 1.38      |                  |
| RBC/Ery                            |  | 10 <sup>6</sup> /µL & 10 <sup>12</sup> /L | 2.40 ± 0.10                              | 4.67 ± 0.19      | 5.70 ± 0.23      |                  |                  |
| HGB/Hb                             |  | g/dL                                      | 5.9 ± 0.24                               | 13.4 ± 0.54      | 18.1 ± 0.72      |                  |                  |
|                                    |  | g/L                                       | 59 ± 2.36                                | 134 ± 5.36       | 181 ± 7.24       |                  |                  |
|                                    |  | mmol/L                                    | 3.66 ± 0.15                              | 8.32 ± 0.33      | 11.24 ± 0.45     |                  |                  |
| HCT                                |  | %   | 16.2 ± 0.81                              | 37.5 ± 1.88      | 50.2 ± 2.51      |                  |                  |
|                                    |  | L/L                                       | 0.162 ± 0.008                            | 0.375 ± 0.019    | 0.502 ± 0.025    |                  |                  |
| MCV/VGM                            |  | fL  | 68 ± 5                                   | 80 ± 5           | 88 ± 5           |                  |                  |
| MCH/TCMH                           |  | pg  | 24.6 ± 2.5                               | 28.7 ± 3.0       | 31.8 ± 3.0       |                  |                  |
|                                    |  | fmol                                      | 1.53 ± 0.16                              | 1.78 ± 0.19      | 1.97 ± 0.19      |                  |                  |
| MCHC/CCMH                          |  | g/dL                                      | 36.4 ± 3.5                               | 35.7 ± 3.5       | 36.1 ± 3.8       |                  |                  |
|                                    |  | g/L                                       | 364 ± 35                                 | 357 ± 35         | 361 ± 38         |                  |                  |
|                                    |  | mmol/L                                    | 22.6 ± 2.2                               | 22.2 ± 2.2       | 22.4 ± 2.4       |                  |                  |
| RDW/IDR                            |  | %   | 16.0 ± 5.5                               | 13.5 ± 5.5       | 12.5 ± 5.5       |                  |                  |
| PLT/Thrombo                        |  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 70 ± 9                                   | 250 ± 21         | 515 ± 39         |                  |                  |
| MPV/VPM                            |  | fL  | 9.0 ± 3.0                                | 8.3 ± 3.0        | 8.2 ± 3.0        |                  |                  |
| PCT/THT                            |  | %   | 0.063 ± 0.035                            | 0.208 ± 0.065    | 0.422 ± 0.110    |                  |                  |
|                                    |  | mL/L                                      | 0.63 ± 0.35                              | 2.08 ± 0.65      | 4.22 ± 1.10      |                  |                  |
| PDW/IDP                            |  | %   | 18.5 ± 10.0                              | 14.0 ± 7.0       | 13.0 ± 7.0       |                  |                  |

V2011

**LOT**

Ch.-B.:125

**7**

ASSAY VALUES AND EXPECTED RANGES

 ZIELWERTE UND BEREICHE *RiüBÄK*

 QCP Data Months : **August, September, October**

 QC-Monate : **August, September, Oktober**


Verw. bis: 16.11.2011

rev.20110829

| Instrumente : <b>ABX</b>  |  |   | Low/Niedrig      |                  | Normal           |                  | High/Hoch        |                  |
|---|--|---|------------------|------------------|------------------|------------------|------------------|------------------|
| Instrument  | Parameter / Paramètre                              |   | Ch.-B.:1251      |                  | Ch.-B.:1252      |                  | Ch.-B.:1253      |                  |
|   |  |   | Mean<br>Zielwert | Limit<br>Bereich | Mean<br>Zielwert | Limit<br>Bereich | Mean<br>Zielwert | Limit<br>Bereich |
| <b>ABX</b><br><br><b>Pentra 80 Series</b>   | WBC/Leuko  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 2.0 ± 0.13       |                  | 7.7 ± 0.50       |                  | 20.7 ± 1.35      |                  |
|   | RBC/Ery  | 10 <sup>6</sup> /µL & 10 <sup>12</sup> /L | 2.35 ± 0.09      |                  | 4.75 ± 0.19      |                  | 5.75 ± 0.23      |                  |
|   | HGB/Hb   | g/dL                                      | 5.8 ± 0.23       |                  | 13.6 ± 0.54      |                  | 18.2 ± 0.73      |                  |
|   |  | g/L                                       | 58 ± 2.32        |                  | 136 ± 5.44       |                  | 182 ± 7.28       |                  |
|   | HCT  | mmol/L                                    | 3.60 ± 0.14      |                  | 8.45 ± 0.34      |                  | 11.30 ± 0.45     |                  |
|   |  | %   | 16.4 ± 0.82      |                  | 37.8 ± 1.89      |                  | 50.2 ± 2.51      |                  |
|   | L/L  | 0.164 ± 0.008                             |                  | 0.378 ± 0.019    |                  | 0.502 ± 0.025    |                  |                  |
|   | MCV/VGM  | fL  | 70 ± 5           |                  | 80 ± 5           |                  | 87 ± 5           |                  |
|   | MCH/TCMH   | pg  | 24.7 ± 2.5       |                  | 28.6 ± 3.0       |                  | 31.7 ± 3.0       |                  |
|   | MCHC/CCMH  | fmol                                      | 1.53 ± 0.15      |                  | 1.78 ± 0.19      |                  | 1.97 ± 0.19      |                  |
|   |  | g/dL                                      | 35.4 ± 3.5       |                  | 36.0 ± 3.5       |                  | 36.3 ± 3.8       |                  |
|   | BECKMAN COULTER<br><b>A<sup>c</sup>T 5 Diff AL</b> | g/L                                       | 354 ± 35         |                  | 360 ± 35         |                  | 363 ± 38         |                  |
|   |  | mmol/L                                    | 22.0 ± 2.2       |                  | 22.4 ± 2.2       |                  | 22.5 ± 2.4       |                  |
|   | RDW/IDR  | %   | 15.0 ± 5.5       |                  | 14.5 ± 5.5       |                  | 12.5 ± 5.5       |                  |
|   | PLT/Thrombo  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 65 ± 9           |                  | 255 ± 22         |                  | 530 ± 40         |                  |
|   | MPV/VPM  | fL  | 9.0 ± 3.0        |                  | 8.5 ± 3.0        |                  | 8.4 ± 3.0        |                  |
| PCT/THT   | %  | 0.059 ± 0.035                             |                  | 0.217 ± 0.065    |                  | 0.445 ± 0.110    |                  |                  |
|   | mL/L   | 0.59 ± 0.35                               |                  | 2.17 ± 0.65      |                  | 4.45 ± 1.10      |                  |                  |
|   | PDW/IDP  | %   | 18.5 ± 10.0      |                  | 14.0 ± 7.0       |                  | 12.5 ± 7.0       |                  |
| <b>ABX</b><br><br><b>Pentra 120</b><br><br><b>Pentra DF 120</b><br><b>Pentra DX 120</b> | WBC/Leuko  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 2.1 ± 0.14       |                  | 7.9 ± 0.51       |                  | 21.0 ± 1.37      |                  |
|   | RBC/Ery  | 10 <sup>6</sup> /µL & 10 <sup>12</sup> /L | 2.40 ± 0.10      |                  | 4.70 ± 0.19      |                  | 5.75 ± 0.23      |                  |
|   | HGB/Hb   | g/dL                                      | 5.9 ± 0.24       |                  | 13.6 ± 0.54      |                  | 18.1 ± 0.72      |                  |
|   |  | g/L                                       | 59 ± 2.36        |                  | 136 ± 5.44       |                  | 181 ± 7.24       |                  |
|   | HCT  | mmol/L                                    | 3.66 ± 0.15      |                  | 8.45 ± 0.34      |                  | 11.24 ± 0.45     |                  |
|   |  | %   | 16.5 ± 0.83      |                  | 37.2 ± 1.86      |                  | 49.5 ± 2.48      |                  |
|   | L/L  | 0.165 ± 0.008                             |                  | 0.372 ± 0.019    |                  | 0.495 ± 0.025    |                  |                  |
|   | MCV/VGM  | fL  | 69 ± 5           |                  | 79 ± 5           |                  | 86 ± 5           |                  |
|   | MCH/TCMH   | pg  | 24.6 ± 2.5       |                  | 28.9 ± 3.0       |                  | 31.5 ± 3.0       |                  |
|   | MCHC/CCMH  | fmol                                      | 1.53 ± 0.16      |                  | 1.80 ± 0.19      |                  | 1.95 ± 0.19      |                  |
|   |  | g/dL                                      | 35.8 ± 3.5       |                  | 36.6 ± 3.5       |                  | 36.6 ± 3.8       |                  |
|   |  | g/L                                       | 358 ± 35         |                  | 366 ± 35         |                  | 366 ± 38         |                  |
|   |  | mmol/L                                    | 22.2 ± 2.2       |                  | 22.7 ± 2.2       |                  | 22.7 ± 2.4       |                  |
|   | RDW/IDR  | %   | 16.5 ± 5.5       |                  | 14.5 ± 5.5       |                  | 14.5 ± 5.5       |                  |
|   | PLT/Thrombo  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 70 ± 9           |                  | 255 ± 22         |                  | 515 ± 39         |                  |
|   | MPV/VPM  | fL  | 9.2 ± 3.0        |                  | 8.2 ± 3.0        |                  | 8.2 ± 3.0        |                  |
| PCT/THT   | %  | 0.064 ± 0.035                             |                  | 0.209 ± 0.065    |                  | 0.422 ± 0.110    |                  |                  |
|   | mL/L   | 0.64 ± 0.35                               |                  | 2.09 ± 0.65      |                  | 4.22 ± 1.10      |                  |                  |
|   | PDW/IDP  | %   | 18.0 ± 10.0      |                  | 14.5 ± 7.0       |                  | 13.5 ± 7.0       |                  |

V2011

**LOT**

Ch.-B.:125

**8**

ASSAY VALUES AND EXPECTED RANGES

 ZIELWERTE UND BEREICHE *RiüBÄK*

QCP Data Months :

**August, September, October**

QC-Monate :

**August, September, Oktober**


Verw. bis: 16.11.2011

rev.20110829

| Instrumente : <b>DANAM (1)</b>  |  |   | Low/Niedrig   |           | Normal        |           | High/Hoch     |         |
|---|--|---|---------------|-----------|---------------|-----------|---------------|---------|
| Instrument  | Parameter / Paramètre                    |   | Ch.-B.:1251   |           | Ch.-B.:1252   |           | Ch.-B.:1253   |         |
|   |  |   | Mean          | Limit     | Mean          | Limit     | Mean          | Limit   |
|   |  |   | Zielwert      | Bereich   | Zielwert      | Bereich   | Zielwert      | Bereich |
| <b>DANAM</b><br><br><b>EXCELL 10 / 10V</b><br><b>EXCELL 16 / 18</b>           | WBC/Leuko                                | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 2.1 ± 0.14    |           | 7.7 ± 0.50    |           | 20.3 ± 1.32   |         |
|   | LYM%                                     | %   | 59 ± 15       |           | 33 ± 8        |           | 16 ± 8        |         |
|   | MON%                                     | %   | 12 ± 6        |           | 6 ± 4         |           | 4 ± 4         |         |
|   | GRA%                                     | %   | 29 ± 10       |           | 61 ± 7        |           | 80 ± 8        |         |
|   | LYM#                                     | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 1.2 ± 0.3     |           | 2.5 ± 0.6     |           | 3.2 ± 1.6     |         |
|   | MON#                                     | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 0.3 ± 0.2     |           | 0.5 ± 0.3     |           | 0.8 ± 0.8     |         |
|   | GRA#                                     | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 0.6 ± 0.2     |           | 4.7 ± 0.5     |           | 16.2 ± 1.6    |         |
|   | RBC/Ery                                  | 10 <sup>6</sup> /µL & 10 <sup>12</sup> /L | 2.43 ± 0.10   |           | 4.73 ± 0.19   |           | 5.80 ± 0.23   |         |
|   | HGB/Hb                                   | g/dL                                      | 6.1 ± 0.24    |           | 13.8 ± 0.55   |           | 18.6 ± 0.74   |         |
|   |  | g/L                                       | 61 ± 2.44     |           | 138 ± 5.52    |           | 186 ± 7.44    |         |
|   |  | mmol/L                                    | 3.79 ± 0.15   |           | 8.57 ± 0.34   |           | 11.55 ± 0.46  |         |
|   | HCT                                      | %   | 17.5 ± 0.88   |           | 40.0 ± 2.00   |           | 53.2 ± 2.66   |         |
|   |  | L/L                                       | 0.175 ± 0.009 |           | 0.400 ± 0.020 |           | 0.532 ± 0.027 |         |
|   | MCV/VGM                                  | fL  | 72 ± 5        |           | 85 ± 5        |           | 92 ± 5        |         |
|   | MCH/TCMH                                 | pg  | 25.1 ± 2.5    |           | 29.2 ± 3.0    |           | 32.1 ± 3.2    |         |
|   |  | fmol                                      | 1.56 ± 0.16   |           | 1.81 ± 0.19   |           | 1.99 ± 0.20   |         |
|   | MCHC/CCMH                                | g/dL                                      | 34.9 ± 3.5    |           | 34.5 ± 3.5    |           | 35.0 ± 3.5    |         |
|   |  | g/L                                       | 349 ± 35      |           | 345 ± 35      |           | 350 ± 35      |         |
|   |  | mmol/L                                    | 21.7 ± 2.2    |           | 21.4 ± 2.2    |           | 21.7 ± 2.2    |         |
|   | RDW/IDR                                  | %   | 15.0 ± 5.0    |           | 14.5 ± 5.0    |           | 14.0 ± 5.0    |         |
| PLT/Thrombo   | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 65 ± 9                                    |               | 225 ± 19  |               | 480 ± 36  |               |         |
| MPV/VPM   | fL                                       | 9.8 ± 2.5                                 |               | 7.8 ± 2.5 |               | 7.6 ± 2.5 |               |         |
| <b>DANAM</b><br><br><b>DATACELL 18</b><br><b>DATACELL 18MS</b><br><b>Plus</b> | WBC/Leuko                                | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 2.2 ± 0.14    |           | 7.8 ± 0.51    |           | 21.0 ± 1.37   |         |
|   | LYM%                                     | %   | 59 ± 15       |           | 31 ± 8        |           | 15 ± 8        |         |
|   | MON%                                     | %   | 11 ± 6        |           | 6 ± 4         |           | 4 ± 4         |         |
|   | GRA%                                     | %   | 30 ± 10       |           | 63 ± 7        |           | 81 ± 8        |         |
|   | LYM#                                     | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 1.3 ± 0.3     |           | 2.4 ± 0.6     |           | 3.2 ± 1.7     |         |
|   | MON#                                     | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 0.2 ± 0.1     |           | 0.5 ± 0.3     |           | 0.8 ± 0.8     |         |
|   | GRA#                                     | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 0.7 ± 0.2     |           | 4.9 ± 0.5     |           | 17.0 ± 1.7    |         |
|   | RBC/Ery                                  | 10 <sup>6</sup> /µL & 10 <sup>12</sup> /L | 2.51 ± 0.10   |           | 4.73 ± 0.19   |           | 5.70 ± 0.23   |         |
|   | HGB/Hb                                   | g/dL                                      | 6.1 ± 0.24    |           | 14.0 ± 0.56   |           | 18.4 ± 0.74   |         |
|   |  | g/L                                       | 61 ± 2.44     |           | 140 ± 5.60    |           | 184 ± 7.36    |         |
|   |  | mmol/L                                    | 3.79 ± 0.15   |           | 8.69 ± 0.35   |           | 11.43 ± 0.46  |         |
|   | HCT                                      | %   | 17.7 ± 0.89   |           | 39.3 ± 1.97   |           | 51.8 ± 2.59   |         |
|   |  | L/L                                       | 0.177 ± 0.009 |           | 0.393 ± 0.020 |           | 0.518 ± 0.026 |         |
|   | MCV/VGM                                  | fL  | 71 ± 5        |           | 83 ± 5        |           | 91 ± 5        |         |
|   | MCH/TCMH                                 | pg  | 24.3 ± 2.5    |           | 29.6 ± 3.0    |           | 32.3 ± 3.2    |         |
|   |  | fmol                                      | 1.51 ± 0.16   |           | 1.84 ± 0.19   |           | 2.01 ± 0.20   |         |
|   | MCHC/CCMH                                | g/dL                                      | 34.5 ± 3.5    |           | 35.6 ± 3.5    |           | 35.5 ± 3.5    |         |
|   |  | g/L                                       | 345 ± 35      |           | 356 ± 35      |           | 355 ± 35      |         |
|   |  | mmol/L                                    | 21.4 ± 2.2    |           | 22.1 ± 2.2    |           | 22.1 ± 2.2    |         |
|   | RDW/IDR                                  | %   | 11.5 ± 5.0    |           | 11.2 ± 5.0    |           | 10.7 ± 5.0    |         |
| PLT/Thrombo   | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 68 ± 9                                    |               | 238 ± 20  |               | 485 ± 36  |               |         |
| MPV/VPM   | fL                                       | 10.1 ± 2.5                                |               | 7.5 ± 2.5 |               | 7.2 ± 2.5 |               |         |

V2011

**LOT**
**Ch.-B.:125**
**9**

ASSAY VALUES AND EXPECTED RANGES

 ZIELWERTE UND BEREICHE *RiüBÄK*

 QCP Data Months : **August, September, October**

 QC-Monate : **August, September, Oktober**


Verw. bis: 16.11.2011

rev.20110829

| Instrumente : <b>MEDONIC</b>  |  |   | Low/Niedrig  |           | Normal       |            | High/Hoch    |         |
|---|--|---|--------------|-----------|--------------|------------|--------------|---------|
| Instrument  | Parameter / Paramètre                    |   | Ch.-B.:1251  |           | Ch.-B.:1252  |            | Ch.-B.:1253  |         |
|   |  |   | Mean         | Limit     | Mean         | Limit      | Mean         | Limit   |
|   |  |   | Zielwert     | Bereich   | Zielwert     | Bereich    | Zielwert     | Bereich |
| <b>MEDONIC</b><br><br><b>CA 530</b><br><b>CA 620</b>                  | WBC/Leuko                                | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 2.0 ± 0.13   |           | 6.3 ± 0.41   |            | 15.5 ± 1.01  |         |
|   | RBC/Ery                                  | 10 <sup>6</sup> /µL & 10 <sup>12</sup> /L | 2.26 ± 0.09  |           | 4.56 ± 0.18  |            | 5.66 ± 0.23  |         |
|   | HGB/Hb                                   | g/dL                                      | 5.6 ± 0.22   |           | 12.7 ± 0.51  |            | 17.3 ± 0.69  |         |
|   |  | g/L                                       | 56 ± 2.24    |           | 127 ± 5.08   |            | 173 ± 6.92   |         |
|   |  | mmol/L                                    | 3.48 ± 0.14  |           | 7.89 ± 0.32  |            | 10.74 ± 0.43 |         |
|   | HCT                                      | %   | 15.6 ± 0.78  |           | 39.2 ± 1.96  |            | 51.5 ± 2.58  |         |
|   |  | L/L                                       | 0.156 ± 0.01 |           | 0.392 ± 0.02 |            | 0.515 ± 0.03 |         |
|   | MCV/VGM                                  | fL  | 69 ± 5       |           | 86 ± 5       |            | 91 ± 5       |         |
|   | MCH/TCMH                                 | pg  | 24.8 ± 2.5   |           | 27.9 ± 3.0   |            | 30.6 ± 3.2   |         |
|   |  | fmol                                      | 1.54 ± 0.16  |           | 1.73 ± 0.19  |            | 1.90 ± 0.20  |         |
|   | MCHC/CCMH                                | g/dL                                      | 35.9 ± 4.0   |           | 32.4 ± 4.0   |            | 33.6 ± 4.0   |         |
|   |  | g/L                                       | 359 ± 40     |           | 324 ± 40     |            | 336 ± 40     |         |
|   |  | mmol/L                                    | 22.3 ± 2.5   |           | 20.1 ± 2.5   |            | 20.9 ± 2.5   |         |
|   | RDW-CV                                   | %   | 14.0 ± 4.0   |           | 15.5 ± 4.0   |            | 12.5 ± 4.0   |         |
|   | PLT/Thrombo                              | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 59 ± 8       |           | 260 ± 22     |            | 475 ± 36     |         |
|   | MPV                                      | fL  | 6.8 ± 3.0    |           | 6.7 ± 3.0    |            | 7.5 ± 3.0    |         |
|   | LYM%                                     | %   | 63.0 ± 18.0  |           | 39.0 ± 10.0  |            | 20.5 ± 8.0   |         |
|   | GRA%                                     | %   | 21.0 ± 13.0  |           | 50.5 ± 13.0  |            | 74.5 ± 12.0  |         |
|   | MID%                                     | %   | 16.0 ± 7.0   |           | 10.5 ± 5.0   |            | 5.0 ± 5.0    |         |
| LYM#  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 1.3 ± 0.4                                 |              | 2.5 ± 0.6 |              | 3.2 ± 1.2  |              |         |
| GRA#  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 0.4 ± 0.2                                 |              | 3.2 ± 0.8 |              | 11.5 ± 1.9 |              |         |
| MID#  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 0.3 ± 0.1                                 |              | 0.7 ± 0.3 |              | 0.8 ± 0.8  |              |         |
| <b>MEDONIC</b><br><br><b>CA 570</b><br><b>CA 600</b><br><b>CA 610</b> | WBC/Leuko                                | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 2.0 ± 0.13   |           | 6.3 ± 0.41   |            | 15.5 ± 1.01  |         |
|   | RBC/Ery                                  | 10 <sup>6</sup> /µL & 10 <sup>12</sup> /L | 2.26 ± 0.09  |           | 4.56 ± 0.18  |            | 5.66 ± 0.23  |         |
|   | HGB/Hb                                   | g/dL                                      | 5.6 ± 0.22   |           | 12.7 ± 0.51  |            | 17.3 ± 0.69  |         |
|   |  | g/L                                       | 56 ± 2.24    |           | 127 ± 5.08   |            | 173 ± 6.92   |         |
|   |  | mmol/L                                    | 3.48 ± 0.14  |           | 7.89 ± 0.32  |            | 10.74 ± 0.43 |         |
|   | HCT                                      | %   | 15.6 ± 0.78  |           | 39.2 ± 1.96  |            | 51.5 ± 2.58  |         |
|   |  | L/L                                       | 0.156 ± 0.01 |           | 0.392 ± 0.02 |            | 0.515 ± 0.03 |         |
|   | MCV/VGM                                  | fL  | 69.0 ± 5     |           | 86.0 ± 5     |            | 91.0 ± 5     |         |
|   | MCH/TCMH                                 | pg  | 24.8 ± 2.5   |           | 27.9 ± 3.0   |            | 30.6 ± 3.2   |         |
|   |  | fmol                                      | 1.54 ± 0.16  |           | 1.73 ± 0.19  |            | 1.90 ± 0.20  |         |
|   | MCHC/CCMH                                | g/dL                                      | 35.9 ± 4.0   |           | 32.4 ± 4.0   |            | 33.6 ± 4.0   |         |
|   |  | g/L                                       | 359 ± 40     |           | 324 ± 40     |            | 336 ± 40     |         |
|   |  | mmol/L                                    | 22.3 ± 2.5   |           | 20.1 ± 2.5   |            | 20.9 ± 2.5   |         |
|   | RDW-CV                                   | %   | 14.0 ± 4.0   |           | 15.5 ± 4.0   |            | 12.5 ± 4.0   |         |
|   | PLT/Thrombo                              | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 66 ± 9       |           | 280 ± 24     |            | 513 ± 38     |         |
|   | MPV                                      | fL  | 6.8 ± 3.0    |           | 6.7 ± 3.0    |            | 7.5 ± 3.0    |         |
|   | LYM%                                     | %   | 63.3 ± 18.0  |           | 39.0 ± 10.0  |            | 20.5 ± 8.0   |         |
|   | GRA%                                     | %   | 21.3 ± 13.0  |           | 50.5 ± 13.0  |            | 74.5 ± 12.0  |         |
|   | MID%                                     | %   | 15.4 ± 7.0   |           | 10.5 ± 5.0   |            | 5.0 ± 5.0    |         |
| LYM#  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 1.3 ± 0.4                                 |              | 2.5 ± 0.6 |              | 3.2 ± 1.2  |              |         |
| GRA#  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 0.4 ± 0.2                                 |              | 3.2 ± 0.8 |              | 11.5 ± 1.9 |              |         |
| MID#  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 0.3 ± 0.1                                 |              | 0.7 ± 0.3 |              | 0.8 ± 0.8  |              |         |

V2011

**LOT**

Ch.-B.:125

**10**

ASSAY VALUES AND EXPECTED RANGES

 ZIELWERTE UND BEREICHE *RiüBÄK*

 QCP Data Months : **August, September, October**

 QC-Monate : **August, September, Oktober**


Verw. bis: 16.11.2011

rev.20110829

| Instrumente : <b>DIATRON</b> |                       | Low/Niedrig                               |                  | Normal           |                  | High/Hoch        |                  |
|------------------------------|-----------------------|---|------------------|------------------|------------------|------------------|------------------|
| Instrument                   | Parameter / Paramètre | Ch.-B.:1251                               |                  | Ch.-B.:1252      |                  | Ch.-B.:1253      |                  |
|                              |                       | Mean<br>Zielwert                          | Limit<br>Bereich | Mean<br>Zielwert | Limit<br>Bereich | Mean<br>Zielwert | Limit<br>Bereich |
| <b>Diatron</b>               | WBC/Leuko             | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 2.0 ± 0.13       | 7.3 ± 0.47       | 18.5 ± 1.20      |                  |                  |
|                              | RBC/Ery               | 10 <sup>6</sup> /µL & 10 <sup>12</sup> /L | 2.45 ± 0.10      | 4.80 ± 0.19      | 5.65 ± 0.23      |                  |                  |
| <b>Twincell</b>              | HGB/Hb                | g/dL                                      | 5.8 ± 0.23       | 13.3 ± 0.53      | 17.5 ± 0.70      |                  |                  |
| <b>Minicell</b>              |                       | g/L                                       | 58 ± 2.32        | 133 ± 5.32       | 175 ± 7.00       |                  |                  |
| <b>Abacus</b>                |                       | mmol/L                                    | 3.60 ± 0.14      | 8.26 ± 0.33      | 10.87 ± 0.43     |                  |                  |
| <b>Arcus</b>                 | HCT                   | %   | 18.9 ± 0.95      | 41.7 ± 2.09      | 51.7 ± 2.59      |                  |                  |
|                              |                       | L/L                                       | 0.189 ± 0.009    | 0.417 ± 0.021    | 0.517 ± 0.026    |                  |                  |
|                              | MCV/VGM               | fL  | 77 ± 5           | 87 ± 5           | 92 ± 5           |                  |                  |
|                              | MCH/TCMH              | pg  | 23.7 ± 2.5       | 27.7 ± 3.0       | 31.0 ± 3.2       |                  |                  |
|                              |                       | fmol                                      | 1.47 ± 0.16      | 1.72 ± 0.19      | 1.92 ± 0.20      |                  |                  |
|                              | MCHC/CCMH             | g/dL                                      | 30.7 ± 4.0       | 31.9 ± 4.0       | 33.8 ± 4.0       |                  |                  |
|                              |                       | g/L                                       | 307 ± 40         | 319 ± 40         | 338 ± 40         |                  |                  |
|                              |                       | mmol/L                                    | 19.0 ± 2.5       | 19.8 ± 2.5       | 21.0 ± 2.5       |                  |                  |
|                              | RDW-SD                | fl  | 48.0 ± 8.0       | 53.5 ± 8.0       | 50.0 ± 8.0       |                  |                  |
|                              | RDW-CV                | %   | 20.0 ± 5.0       | 17.5 ± 5.0       | 16.0 ± 5.0       |                  |                  |
|                              | PLT/Thrombo           | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 70 ± 9           | 285 ± 24         | 555 ± 42         |                  |                  |
|                              | MPV                   | fl  | 7.0 ± 3.0        | 7.4 ± 3.0        | 7.6 ± 3.0        |                  |                  |
|                              | PCT                   | %   | 0.05 ± 0.02      | 0.21 ± 0.04      | 0.42 ± 0.05      |                  |                  |
|                              | PCT                   | ml/l                                      | 0.5 ± 0.2        | 2.1 ± 0.4        | 4.2 ± 0.5        |                  |                  |
|                              | PDW-SD                | fl  | 11.0 ± 6.0       | 10.0 ± 6.0       | 8.5 ± 6.0        |                  |                  |
|                              | PDW-CV                | %   | 36.5 ± 10.0      | 35.0 ± 10.0      | 34.0 ± 10.0      |                  |                  |
|                              | LYM%                  | %   | 55.5 ± 13.0      | 31.5 ± 8.0       | 13.0 ± 5.0       |                  |                  |
|                              | MON%                  | %   | 13.0 ± 7.0       | 7.5 ± 5.0        | 6.5 ± 4.5        |                  |                  |
|                              | GRA%                  | %   | 31.5 ± 10.0      | 61.0 ± 25.0      | 80.5 ± 35.0      |                  |                  |
|                              | LYM#                  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 1.1 ± 0.3        | 2.3 ± 0.6        | 2.4 ± 0.9        |                  |                  |
|                              | MON#                  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 0.3 ± 0.2        | 0.5 ± 0.3        | 1.2 ± 0.8        |                  |                  |
|                              | GRA#                  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 0.6 ± 0.2        | 4.5 ± 1.8        | 14.9 ± 6.5       |                  |                  |

V2011

**LOT**

Ch.-B.:125

**11**

ASSAY VALUES AND EXPECTED RANGES

 ZIELWERTE UND BEREICHE *RiibÄÄK*

 QCP Data Months : **August, September, October**

 QC-Monate : **August, September, Oktober**


Verw. bis: 16.11.2011

rev.20110829

| Instrumente : <b>Nihon Kohden</b>  |  |   | Low/Niedrig |         | Normal      |         | High/Hoch   |         |
|--|--|---|-------------|---------|-------------|---------|-------------|---------|
| Instrument   | Parameter / ParamÈtre                    |   | Ch.-B.:1251 |         | Ch.-B.:1252 |         | Ch.-B.:1253 |         |
|  |  |   | Mean        | Limit   | Mean        | Limit   | Mean        | Limit   |
|  |  |   | Zielwert    | Bereich | Zielwert    | Bereich | Zielwert    | Bereich |
| <b>NIHON KOHDEN</b><br><b>CELLTAC</b><br><br><b>MEK-6108</b><br><b>MEK-6318</b><br><b>MEK-8118</b><br><b>MEK-7222</b><br><b>MEK-8222</b><br><br><b>Mit</b><br><b>ISOTONAC-3</b><br><b>&amp; HEMOLYNAC-3</b><br><b>Reagenzien</b> | WBC/Leuko                                | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 2.1         | ± 0.14  | 7.3         | ± 0.47  | 19.5        | ± 1.27  |
|  | RBC/Ery                                  | 10 <sup>6</sup> /µL & 10 <sup>12</sup> /L | 2.45        | ± 0.10  | 4.75        | ± 0.19  | 5.75        | ± 0.23  |
|  | HGB/Hb                                   | g/dL                                      | 6.0         | ± 0.24  | 13.8        | ± 0.55  | 18.5        | ± 0.74  |
|  |  | g/L                                       | 60          | ± 2.40  | 138         | ± 5.52  | 185         | ± 7.40  |
|  |  | mmol/L                                    | 3.73        | ± 0.15  | 8.57        | ± 0.34  | 11.49       | ± 0.46  |
|  | HCT                                      | %   | 18.4        | ± 0.92  | 41.4        | ± 2.07  | 55.2        | ± 2.76  |
|  |  | L/L                                       | 0.184       | ± 0.009 | 0.414       | ± 0.021 | 0.552       | ± 0.028 |
|  | MCV/VGM                                  | fL  | 75          | ± 5     | 87          | ± 5     | 96          | ± 5     |
|  | MCH/TCMH                                 | pg  | 24.5        | ± 2.5   | 29.1        | ± 3.2   | 32.2        | ± 3.4   |
|  |  | fmol                                      | 1.52        | ± 0.16  | 1.80        | ± 0.20  | 2.00        | ± 0.21  |
|  | MCHC/CCMH                                | g/dL                                      | 32.6        | ± 3.5   | 33.3        | ± 3.5   | 33.5        | ± 3.5   |
|  |  | g/L                                       | 326         | ± 35    | 333         | ± 35    | 335         | ± 35    |
|  |  | mmol/L                                    | 20.3        | ± 2.2   | 20.7        | ± 2.2   | 20.8        | ± 2.2   |
|  | RDW/IDR                                  | %   | 14.5        | ± 4.0   | 14.5        | ± 4.0   | 13.5        | ± 4.0   |
|  | PLT/Thrombo                              | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 60          | ± 8     | 260         | ± 22    | 550         | ± 41    |
|  | MPV/VPM                                  | fL  | 5.5         | ± 2.5   | 5.5         | ± 2.5   | 6.0         | ± 2.5   |
|  | LYM%                                     | %   | 60.0        | ± 10.0  | 34.5        | ± 10.0  | 16.0        | ± 8.0   |
|  | MON%                                     | %   | 7.5         | ± 7.5   | 3.5         | ± 3.5   | 3.5         | ± 3.5   |
|  | GRA%                                     | %   | 32.5        | ± 12.0  | 62.0        | ± 11.0  | 80.5        | ± 6.0   |
|  | LYM#                                     | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 1.3         | ± 0.2   | 2.5         | ± 0.7   | 3.1         | ± 1.6   |
| MON#   | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 0.2                                       | ± 0.2       | 0.3     | ± 0.3       | 0.7     | ± 0.7       |         |
| GRA#   | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 0.7                                       | ± 0.3       | 4.5     | ± 0.8       | 15.7    | ± 1.2       |         |
| <b>NIHON KOHDEN</b><br><b>CELLTAC</b><br><br><b>MEK-7222</b><br><b>CELLTAC-E</b><br><br><b>MEK-8222</b><br><b>CELLTAC-F</b><br><br><b>Mit</b><br><b>ISOTONAC-3</b><br><b>&amp; HEMOLYNAC-5</b><br><b>Reagenzien</b>              | WBC/Leuko                                | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 2.1         | ± 0.14  | 7.3         | ± 0.47  | 19.5        | ± 1.27  |
|  | RBC/Ery                                  | 10 <sup>6</sup> /µL & 10 <sup>12</sup> /L | 2.45        | ± 0.10  | 4.75        | ± 0.19  | 5.75        | ± 0.23  |
|  | HGB/Hb                                   | g/dL                                      | 6.0         | ± 0.24  | 13.8        | ± 0.55  | 18.5        | ± 0.74  |
|  |  | g/L                                       | 60          | ± 2.40  | 138         | ± 5.52  | 185         | ± 7.40  |
|  |  | mmol/L                                    | 3.73        | ± 0.15  | 8.57        | ± 0.34  | 11.49       | ± 0.46  |
|  | HCT                                      | %   | 18.4        | ± 0.92  | 41.4        | ± 2.07  | 55.2        | ± 2.76  |
|  |  | L/L                                       | 0.184       | ± 0.009 | 0.414       | ± 0.021 | 0.552       | ± 0.028 |
|  | MCV/VGM                                  | fL  | 75          | ± 5     | 87          | ± 5     | 96          | ± 5     |
|  | MCH/TCMH                                 | pg  | 24.5        | ± 2.5   | 29.1        | ± 3.2   | 32.2        | ± 3.4   |
|  |  | fmol                                      | 1.52        | ± 0.16  | 1.80        | ± 0.20  | 2.00        | ± 0.21  |
|  | MCHC/CCMH                                | g/dL                                      | 32.6        | ± 3.5   | 33.3        | ± 3.5   | 33.5        | ± 3.5   |
|  |  | g/L                                       | 326         | ± 35    | 333         | ± 35    | 335         | ± 35    |
|  |  | mmol/L                                    | 20.3        | ± 2.2   | 20.7        | ± 2.2   | 20.8        | ± 2.2   |
|  | RDW/IDR                                  | %   | 14.5        | ± 4.0   | 14.5        | ± 4.0   | 13.5        | ± 4.0   |
|  | PLT/Thrombo                              | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 60          | ± 8     | 260         | ± 22    | 550         | ± 41    |
|  | MPV/VPM                                  | fL  | 5.5         | ± 2.5   | 5.5         | ± 2.5   | 6.0         | ± 2.5   |
|  | LYM% *                                   | %   | 64.5        | ± 32.0  | 40.0        | ± 30.0  | 37.5        | ± 30.0  |
|  | MON% *                                   | %   | 5.0         | ± 5.0   | 7.0         | ± 7.0   | 7.5         | ± 7.5   |
|  | NEUT% *                                  | %   | 8.5         | ± 8.0   | 13.0        | ± 10.0  | 13.5        | ± 10.0  |
|  | EOS% *                                   | %   | 17.0        | ± 15.0  | 32.0        | ± 22.0  | 33.0        | ± 25.0  |
| BAS% *   | %  | 5.0                                       | ± 5.0       | 8.0     | ± 8.0       | 8.5     | ± 8.5       |         |
| LYM# *   | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 1.4                                       | ± 0.7       | 2.9     | ± 2.2       | 7.3     | ± 5.8       |         |
| MON# *   | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 0.1                                       | ± 0.1       | 0.5     | ± 0.5       | 1.5     | ± 1.5       |         |
| NEUT# *  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 0.2                                       | ± 0.2       | 0.9     | ± 0.7       | 2.6     | ± 1.9       |         |
| EOS# *   | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 0.4                                       | ± 0.4       | 2.3     | ± 1.6       | 6.4     | ± 4.8       |         |
| BAS# *   | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 0.1                                       | ± 0.1       | 0.6     | ± 0.6       | 1.7     | ± 1.7       |         |

**LOT**

Ch.-B.:125

**12**

ASSAY VALUES AND EXPECTED RANGES

 ZIELWERTE UND BEREICHE *RiibÄK*

 QCP Data Months : **August, September, October**

 QC-Monate : **August, September, Oktober**


Verw. bis: 16.11.2011

rev.20110829

| Instrumente : <b>Nihon Kohden</b> |                       |  | Low/Niedrig |         | Normal      |         | High/Hoch   |         |
|-----------------------------------|-----------------------|--|-------------|---------|-------------|---------|-------------|---------|
| Instrument                        | Parameter / Paramètre |  | Ch.-B.:1251 |         | Ch.-B.:1252 |         | Ch.-B.:1253 |         |
|                                   |                       |  | Mean        | Limit   | Mean        | Limit   | Mean        | Limit   |
|                                   |                       |  | Zielwert    | Bereich | Zielwert    | Bereich | Zielwert    | Bereich |
| <b>NIHON KOHDEN</b>               | WBC/Leuko             | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 2.1         | ± 0.14  | 7.4         | ± 0.48  | 20.1        | ± 1.31  |
|                                   | <b>CELLTAC</b>        | RBC/Ery                                  | 2.45        | ± 0.10  | 4.75        | ± 0.19  | 5.75        | ± 0.23  |
| <b>MEK-6318</b>                   | HGB/Hb                | g/dL                                     | 6.0         | ± 0.24  | 14.0        | ± 0.56  | 19.0        | ± 0.76  |
|                                   | <b>MEK-6400</b>       |  | 60          | ± 2.40  | 140         | ± 5.60  | 190         | ± 7.60  |
| <b>MEK-6410</b>                   |                       | mmol/L                                   | 3.73        | ± 0.15  | 8.69        | ± 0.35  | 11.80       | ± 0.47  |
| <b>MEK-6420</b>                   | HCT                   | %  | 18.4        | ± 0.92  | 41.4        | ± 2.07  | 55.2        | ± 2.76  |
|                                   |                       | L/L                                      | 0.184       | ± 0.009 | 0.414       | ± 0.021 | 0.552       | ± 0.028 |
|                                   | MCV/VGM               | fL                                       | 75.1        | ± 5     | 87.2        | ± 5     | 96.0        | ± 5     |
|                                   | MCH/TCMH              | pg                                       | 24.5        | ± 2.5   | 29.5        | ± 3.2   | 33.0        | ± 3.4   |
|                                   |                       | fmol                                     | 1.52        | ± 0.16  | 1.83        | ± 0.20  | 2.05        | ± 0.21  |
| <b>Mit</b>                        | MCHC/CCMH             | g/dL                                     | 32.6        | ± 3.5   | 33.8        | ± 3.5   | 34.4        | ± 3.5   |
|                                   | <b>ISOTONAC-3</b>     |  | 326         | ± 35    | 338         | ± 35    | 344         | ± 35    |
| <b>&amp; HEMOLYNAC-3N</b>         |                       | mmol/L                                   | 20.3        | ± 2.2   | 21.0        | ± 2.2   | 21.4        | ± 2.2   |
|                                   | <b>Reagenzien</b>     | RDW/IDR                                  | 14.5        | ± 4.0   | 14.5        | ± 4.0   | 13.5        | ± 4.0   |
|                                   |                       | %  | 60          | ± 8     | 260         | ± 22    | 550         | ± 41    |
|                                   | PLT/Thrombo           | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 5.5         | ± 2.5   | 5.5         | ± 2.5   | 6.0         | ± 2.5   |
|                                   | MPV/VPM               | fL                                       | 60.0        | ± 10.0  | 34.5        | ± 10.0  | 16.0        | ± 8.0   |
|                                   | LYM%                  | %  | 7.5         | ± 7.5   | 3.5         | ± 3.5   | 3.5         | ± 3.5   |
|                                   | MON%                  | %  | 32.5        | ± 12.0  | 62.0        | ± 11.0  | 80.5        | ± 6.0   |
|                                   | GRA%                  | %  | 1.3         | ± 0.2   | 2.6         | ± 0.8   | 3.2         | ± 1.6   |
|                                   | LYM#                  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 0.2         | ± 0.2   | 0.3         | ± 0.3   | 0.7         | ± 0.7   |
|                                   | MON#                  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 0.7         | ± 0.3   | 4.6         | ± 0.8   | 16.2        | ± 1.2   |
|                                   | GRA#                  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L |             |         |             |         |             |         |

V2011

LOT

Ch.-B.:125

13

ASSAY VALUES AND EXPECTED RANGES

ZIELWERTE UND BEREICHE *RiibÄK*

QCP Data Months : August, September, October

QC-Monate : August, September, Oktober



Verw. bis: 16.11.2011

rev.20110829

| Instrumente : Mindray  |  | Low/Niedrig                               |               | Normal        |               | High/Hoch   |         |
|--|--|---|---------------|---------------|---------------|-------------|---------|
| Instrument   | Parameter / Paramètre                    | Ch.-B.:1251                               |               | Ch.-B.:1252   |               | Ch.-B.:1253 |         |
|  |  | Mean                                      | Limit         | Mean          | Limit         | Mean        | Limit   |
|  |  | Zielwert                                  | Bereich       | Zielwert      | Bereich       | Zielwert    | Bereich |
| MINDRAY<br><br>BC-3000 Plus<br>BC-2900<br>BC-1800  | WBC/GB                                   | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 2.0 ± 0.13    | 7.9 ± 0.51    | 20.4 ± 1.33   |             |         |
|  | LYM%                                     | %   | 59.5 ± 12.0   | 31.5 ± 8.0    | 14.5 ± 7.0    |             |         |
|  | MON%                                     | %   | 11.5 ± 9.0    | 8.0 ± 7.0     | 5.0 ± 4.5     |             |         |
|  | GRA%                                     | %   | 29.0 ± 9.0    | 60.5 ± 8.0    | 80.5 ± 8.0    |             |         |
|  | LYM#                                     | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 1.2 ± 0.3     | 2.5 ± 0.7     | 3.0 ± 1.5     |             |         |
|  | MON#                                     | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 0.2 ± 0.2     | 0.6 ± 0.6     | 1.0 ± 0.9     |             |         |
|  | GRA#                                     | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 0.6 ± 0.2     | 4.8 ± 0.7     | 16.4 ± 1.7    |             |         |
|  | RBC/GR                                   | 10 <sup>6</sup> /µL & 10 <sup>12</sup> /L | 2.47 ± 0.10   | 4.80 ± 0.19   | 5.87 ± 0.23   |             |         |
|  | Hgb                                      | g/dL                                      | 5.9 ± 0.24    | 13.8 ± 0.55   | 18.8 ± 0.75   |             |         |
|  |  | g/L                                       | 59 ± 2.36     | 138 ± 5.52    | 188 ± 7.52    |             |         |
|  |  | mmol/L                                    | 3.66 ± 0.15   | 8.57 ± 0.34   | 11.67 ± 0.47  |             |         |
|  | Hct                                      | %   | 18.4 ± 0.92   | 41.8 ± 2.09   | 56.4 ± 2.82   |             |         |
|  |  | L/L                                       | 0.184 ± 0.009 | 0.418 ± 0.021 | 0.564 ± 0.028 |             |         |
|  | MCV/VGM                                  | fL  | 74.5 ± 5.0    | 87.0 ± 5.0    | 96.0 ± 5.0    |             |         |
|  | MCH/TCMH                                 | pg  | 23.9 ± 2.5    | 28.8 ± 2.5    | 32.0 ± 2.5    |             |         |
|  |  | fmol                                      | 1.5 ± 0.2     | 1.8 ± 0.2     | 2.0 ± 0.2     |             |         |
|  | MCHC/CCMH                                | g/dL                                      | 32.1 ± 3.0    | 33.0 ± 3.0    | 33.4 ± 3.0    |             |         |
|  |  | g/L                                       | 321 ± 30      | 330 ± 30      | 334 ± 30      |             |         |
|  |  | mmol/L                                    | 19.9 ± 1.9    | 20.5 ± 1.9    | 20.7 ± 1.9    |             |         |
|  | RDW/IDR                                  | %   | 15.8 ± 3.0    | 14.8 ± 3.0    | 13.7 ± 3.0    |             |         |
| RDW/IDR-SD   | fL                                       | 39.0 ± 6.0                                | 43.0 ± 6.0    | 44.5 ± 8.0    |               |             |         |
| Plt  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 87 ± 12                                   | 292 ± 25      | 554 ± 42      |               |             |         |
| MPV/VPM  | fL                                       | 8.7 ± 3.0                                 | 8.4 ± 3.0     | 8.2 ± 3.0     |               |             |         |
| Pct/Tht  | %  | 0.06 ± 0.05                               | 0.21 ± 0.10   | 0.42 ± 0.20   |               |             |         |
|  | mL/L                                     | 0.60 ± 0.50                               | 2.10 ± 1.00   | 4.20 ± 2.00   |               |             |         |
| PDW/IDP  | %  | 16.3 ± 3.0                                | 15.7 ± 3.0    | 15.7 ± 3.0    |               |             |         |
| MINDRAY (1)<br><br>BC-2800<br><br>BC-2600<br><br>Software version lower than 2.0<br>(Version antérieure à 2.0) | WBC/GB                                   | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 1.9 ± 0.25    | 7.8 ± 0.51    | 21.8 ± 1.42   |             |         |
|  | LYM%                                     | %   | 61.0 ± 11.0   | 32.5 ± 8.0    | 13.5 ± 8.0    |             |         |
|  | MON%                                     | %   | 12.0 ± 8.0    | 9.5 ± 6.0     | 8.0 ± 6.0     |             |         |
|  | GRA%                                     | %   | 27.0 ± 8.0    | 58.0 ± 9.0    | 78.5 ± 9.0    |             |         |
|  | LYM#                                     | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 1.2 ± 0.3     | 2.5 ± 0.7     | 2.9 ± 1.8     |             |         |
|  | MON#                                     | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 0.2 ± 0.2     | 0.7 ± 0.5     | 1.7 ± 1.3     |             |         |
|  | GRA#                                     | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 0.5 ± 0.2     | 4.5 ± 0.8     | 17.1 ± 2.0    |             |         |
|  | RBC/GR                                   | 10 <sup>6</sup> /µL & 10 <sup>12</sup> /L | 2.32 ± 0.09   | 4.63 ± 0.19   | 5.67 ± 0.23   |             |         |
|  | Hgb                                      | g/dL                                      | 6.0 ± 0.24    | 13.9 ± 0.56   | 19.0 ± 0.76   |             |         |
|  |  | g/L                                       | 60 ± 2.40     | 139 ± 5.56    | 190 ± 7.60    |             |         |
|  |  | mmol/L                                    | 3.73 ± 0.15   | 8.63 ± 0.35   | 11.80 ± 0.47  |             |         |
|  | Hct                                      | %   | 17.4 ± 0.87   | 39.8 ± 1.99   | 53.9 ± 2.70   |             |         |
|  |  | L/L                                       | 0.174 ± 0.009 | 0.398 ± 0.020 | 0.539 ± 0.027 |             |         |
|  | MCV/VGM                                  | fL  | 75.0 ± 5.0    | 86.0 ± 5.0    | 95.0 ± 5.0    |             |         |
|  | MCH/TCMH                                 | pg  | 25.9 ± 2.5    | 30.0 ± 2.5    | 33.5 ± 2.5    |             |         |
|  |  | fmol                                      | 1.6 ± 0.2     | 1.9 ± 0.2     | 2.1 ± 0.2     |             |         |
|  | MCHC/CCMH                                | g/dL                                      | 34.5 ± 3.0    | 34.9 ± 3.0    | 35.3 ± 3.0    |             |         |
|  |  | g/L                                       | 345 ± 30      | 349 ± 30      | 353 ± 30      |             |         |
|  |  | mmol/L                                    | 21.4 ± 1.9    | 21.7 ± 1.9    | 21.9 ± 1.9    |             |         |
|  | RDW/IDR                                  | %   | 14.3 ± 3.0    | 14.6 ± 3.0    | 14.0 ± 3.0    |             |         |
| RDW/IDR-SD   | fL                                       | 36.4 ± 6.0                                | 42.0 ± 6.0    | 44.0 ± 8.0    |               |             |         |
| Plt  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 65 ± 9                                    | 248 ± 21      | 540 ± 41      |               |             |         |
| MPV/VPM  | fL                                       | 9.0 ± 3.0                                 | 8.9 ± 3.0     | 8.7 ± 3.0     |               |             |         |
| Pct/Tht  | %  | 0.05 ± 0.05                               | 0.22 ± 0.10   | 0.46 ± 0.20   |               |             |         |
|  | mL/L                                     | 0.50 ± 0.50                               | 2.20 ± 1.00   | 4.60 ± 2.00   |               |             |         |
| PDW/IDP  | %  | 16.2 ± 3.0                                | 16.1 ± 3.0    | 16.0 ± 3.0    |               |             |         |

**LOT**

Ch.-B.:125

**14**

ASSAY VALUES AND EXPECTED RANGES

 ZIELWERTE UND BEREICHE *RiibÄK*

 QCP Data Months : **August, September, October**

 QC-Monate : **August, September, Oktober**


Verw. bis: 16.11.2011

rev.20110829

| Instrumente : <b>Mindray</b>                              |   | Low/Niedrig                               |                  | Normal           |                  | High/Hoch        |                  |
|---|---|---|------------------|------------------|------------------|------------------|------------------|
| Instrument  | Parameter / Paramètre   | Ch.-B.:1251                               |                  | Ch.-B.:1252      |                  | Ch.-B.:1253      |                  |
|   |   | Mean<br>Zielwert                          | Limit<br>Bereich | Mean<br>Zielwert | Limit<br>Bereich | Mean<br>Zielwert | Limit<br>Bereich |
| <b>MINDRAY (2)</b>  | WBC/GB  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 2.0 ± 0.13       | 7.7 ± 0.50       | 20.6 ± 1.34      |                  |                  |
|   | LYM%  | %   | 60.0 ± 10.0      | 32.3 ± 8.0       | 14.5 ± 7.0       |                  |                  |
|   | MON%  | %   | 11.0 ± 8.0       | 6.0 ± 5.0        | 4.5 ± 4.5        |                  |                  |
|   | GRA%  | %   | 29.0 ± 9.0       | 61.7 ± 9.0       | 81.0 ± 8.0       |                  |                  |
|   | LYM#  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 1.2 ± 0.3        | 2.5 ± 0.7        | 3.0 ± 1.5        |                  |                  |
|   | MON#  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 0.2 ± 0.2        | 0.5 ± 0.5        | 0.9 ± 0.9        |                  |                  |
|   | GRA#  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 0.6 ± 0.2        | 4.8 ± 0.8        | 16.7 ± 1.7       |                  |                  |
|   | RBC/GR  | 10 <sup>6</sup> /µL & 10 <sup>12</sup> /L | 2.37 ± 0.09      | 4.72 ± 0.19      | 5.78 ± 0.23      |                  |                  |
|   | <b>BC-2800</b>  | Hgb                                       | g/dL             | 6.0 ± 0.24       | 13.9 ± 0.56      | 19.2 ± 0.77      |                  |
|   |   |   | g/L              | 60 ± 2.40        | 139 ± 5.56       | 192 ± 7.68       |                  |
|   |   |   | mmol/L           | 3.73 ± 0.15      | 8.63 ± 0.35      | 11.92 ± 0.48     |                  |
|   | <b>BC-2600</b>  | Hct                                       | %                | 17.5 ± 0.88      | 40.6 ± 2.03      | 54.9 ± 2.75      |                  |
|   |   |   | L/L              | 0.175 ± 0.009    | 0.406 ± 0.020    | 0.549 ± 0.027    |                  |
|   | (Software version 2.0 or higher)<br>Version supérieure ou égale à 2.0 | MCV/VGM                                   | fL               | 74.0 ± 5.0       | 86.0 ± 5.0       | 95.0 ± 5.0       |                  |
| MCH/TCMH  |   | pg  | 25.3 ± 2.5       | 29.4 ± 2.5       | 33.2 ± 2.5       |                  |                  |
|   |   | fmol                                      | 1.6 ± 0.2        | 1.8 ± 0.2        | 2.1 ± 0.2        |                  |                  |
| MCHC/CCMH   |   | g/dL                                      | 34.2 ± 3.0       | 34.2 ± 3.0       | 35.0 ± 3.0       |                  |                  |
|   |   | g/L                                       | 342.0 ± 30.0     | 342.0 ± 30.0     | 350.0 ± 30.0     |                  |                  |
|   |   | mmol/L                                    | 21.3 ± 1.9       | 21.3 ± 1.9       | 21.7 ± 1.9       |                  |                  |
| RDW/IDR   |   | %   | 16.0 ± 3.0       | 15.3 ± 3.0       | 14.5 ± 3.0       |                  |                  |
| RDW/IDR-SD  |   | fL  | 40.0 ± 6.0       | 45.2 ± 6.0       | 46.3 ± 8.0       |                  |                  |
| Plt   |   | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 65 ± 9           | 252 ± 21         | 502 ± 38         |                  |                  |
| MPV/VPM   |   | fL  | 9.5 ± 3.0        | 9.4 ± 3.0        | 9.3 ± 3.0        |                  |                  |
| Pct/Tht   | %   | 0.06 ± 0.05                               | 0.23 ± 0.10      | 0.46 ± 0.20      |                  |                  |                  |
|   | mL/L  | 0.60 ± 0.50                               | 2.30 ± 1.00      | 4.60 ± 2.00      |                  |                  |                  |
|   | %   | 14.6 ± 3.0                                | 14.8 ± 3.0       | 14.8 ± 3.0       |                  |                  |                  |
| <b>MINDRAY</b><br><br><b>BC-3200</b><br><b>BC-3000 CT</b> | WBC/GB  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 2.1 ± 0.14       | 8.0 ± 0.52       | 21.0 ± 1.37      |                  |                  |
|   | LYM%  | %   | 56.0 ± 12.0      | 29.5 ± 8.0       | 13.0 ± 6.0       |                  |                  |
|   | MON%  | %   | 14.0 ± 8.0       | 8.0 ± 6.0        | 5.8 ± 5.0        |                  |                  |
|   | GRA%  | %   | 30.0 ± 9.0       | 62.5 ± 8.0       | 81.2 ± 8.0       |                  |                  |
|   | LYM#  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 1.2 ± 0.3        | 2.4 ± 0.7        | 2.7 ± 1.3        |                  |                  |
|   | MON#  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 0.3 ± 0.2        | 0.6 ± 0.5        | 1.2 ± 1.1        |                  |                  |
|   | GRA#  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 0.6 ± 0.2        | 5.0 ± 0.7        | 17.1 ± 1.7       |                  |                  |
|   | RBC/GR  | 10 <sup>6</sup> /µL & 10 <sup>12</sup> /L | 2.42 ± 0.10      | 4.80 ± 0.19      | 5.85 ± 0.23      |                  |                  |
|   | Hgb   | g/dL                                      | 6.0 ± 0.24       | 13.8 ± 0.55      | 18.9 ± 0.76      |                  |                  |
|   |   | g/L                                       | 60 ± 2.40        | 138 ± 5.52       | 189 ± 7.56       |                  |                  |
|   |   | mmol/L                                    | 3.73 ± 0.15      | 8.57 ± 0.34      | 11.74 ± 0.47     |                  |                  |
|   | Hct   | %   | 18.2 ± 0.91      | 42.0 ± 2.10      | 56.5 ± 2.83      |                  |                  |
|   |   | L/L                                       | 0.182 ± 0.009    | 0.420 ± 0.021    | 0.565 ± 0.028    |                  |                  |
|   | MCV/VGM   | fL  | 75.0 ± 5.0       | 87.5 ± 5.0       | 96.5 ± 5.0       |                  |                  |
|   | MCH/TCMH  | pg  | 24.8 ± 2.5       | 28.8 ± 2.5       | 32.3 ± 2.5       |                  |                  |
|   |   | fmol                                      | 1.5 ± 0.2        | 1.8 ± 0.2        | 2.0 ± 0.2        |                  |                  |
|   | MCHC/CCMH   | g/dL                                      | 33.1 ± 3.0       | 32.9 ± 3.0       | 33.5 ± 3.0       |                  |                  |
|   |   | g/L                                       | 331 ± 30         | 329 ± 30         | 335 ± 30         |                  |                  |
|   |   | mmol/L                                    | 20.5 ± 1.9       | 20.4 ± 1.9       | 20.8 ± 1.9       |                  |                  |
|   | RDW/IDR   | %   | 14.0 ± 3.0       | 13.6 ± 3.0       | 13.0 ± 3.0       |                  |                  |
| RDW/IDR-SD  | fL  | 35.0 ± 6.0                                | 39.6 ± 6.0       | 41.0 ± 8.0       |                  |                  |                  |
| Plt   | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L                              | 75 ± 10                                   | 252 ± 21         | 500 ± 38         |                  |                  |                  |
| MPV/VPM   | fL  | 8.6 ± 3.0                                 | 8.0 ± 3.0        | 7.8 ± 3.0        |                  |                  |                  |
| Pct/Tht   | %   | 0.060 ± 0.050                             | 0.200 ± 0.100    | 0.390 ± 0.200    |                  |                  |                  |
|   | mL/L  | 0.60 ± 0.50                               | 2.00 ± 1.00      | 3.90 ± 2.00      |                  |                  |                  |

LOT

Ch.-B.:125

15

ASSAY VALUES AND EXPECTED RANGES

ZIELWERTE UND BEREICHE *RiüBÄK*

QCP Data Months : August, September, October

QC-Monate : August, September, Oktober



Verw. bis: 16.11.2011

rev.20110829

| Instruments : MINDRAY  |  |   | Low/Niedrig      |                  | Normal           |                  | High/Hoch        |                  |
|--|--|---|------------------|------------------|------------------|------------------|------------------|------------------|
| Instrument   | Parameter / Paramètre                    |   | Ch.-B.:1251      |                  | Ch.-B.:1252      |                  | Ch.-B.:1253      |                  |
|  |  |   | Mean<br>Zielwert | Limit<br>Bereich | Mean<br>Zielwert | Limit<br>Bereich | Mean<br>Zielwert | Limit<br>Bereich |
| MINDRAY<br><br>BC-2800 VET<br>BC-2600 VET<br><small>(Software version lower than 2.0)<br/>(Version antérieure à 2.0)</small>       | WBC/GB                                   | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 1.9 ± 0.2        |                  | 7.8 ± 0.5        |                  | 21.8 ± 1.4       |                  |
|  | RBC/GR                                   | 10 <sup>6</sup> /µL & 10 <sup>12</sup> /L | 2.32 ± 0.09      |                  | 4.63 ± 0.19      |                  | 5.67 ± 0.23      |                  |
|  | Hgb                                      | g/dL                                      | 6.0 ± 0.2        |                  | 13.9 ± 0.6       |                  | 19.0 ± 0.8       |                  |
|  |  | g/L                                       | 60 ± 2.40        |                  | 139 ± 5.56       |                  | 190 ± 7.60       |                  |
|  |  | mmol/L                                    | 3.73 ± 0.15      |                  | 8.63 ± 0.35      |                  | 11.80 ± 0.47     |                  |
|  | Hct                                      | %   | 17.4 ± 0.9       |                  | 39.8 ± 2.0       |                  | 53.9 ± 2.7       |                  |
|  |  | L/L                                       | 0.174 ± 0.009    |                  | 0.398 ± 0.020    |                  | 0.539 ± 0.027    |                  |
|  | MCV/VGM                                  | fL  | 75.0 ± 5.0       |                  | 86.0 ± 5.0       |                  | 95.0 ± 5.0       |                  |
|  | MCH/TCMH                                 | pg  | 25.9 ± 2.5       |                  | 30.0 ± 2.5       |                  | 33.5 ± 2.5       |                  |
|  |  | famol                                     | 1.6 ± 0.2        |                  | 1.9 ± 0.2        |                  | 2.1 ± 0.2        |                  |
|  | MCHC/CCMH                                | g/dL                                      | 34.5 ± 3.0       |                  | 34.9 ± 3.0       |                  | 35.3 ± 3.0       |                  |
|  |  | g/L                                       | 345 ± 30         |                  | 349 ± 30         |                  | 353 ± 30         |                  |
|  | mmol/L                                   | 21.4 ± 1.9                                |                  | 21.7 ± 1.9       |                  | 21.9 ± 1.9       |                  |                  |
| Plt  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 65 ± 9                                    |                  | 248 ± 21         |                  | 540 ± 41         |                  |                  |
| MINDRAY<br><br>BC-2800 VET<br>BC-2600 VET<br><small>(Software version 2.0 or higher)<br/>Version supérieure ou égale à 2.0</small> | WBC/GB                                   | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 2.0 ± 0.13       |                  | 7.7 ± 0.5        |                  | 20.6 ± 1.3       |                  |
|  | RBC/GR                                   | 10 <sup>6</sup> /µL & 10 <sup>12</sup> /L | 2.37 ± 0.09      |                  | 4.72 ± 0.19      |                  | 5.78 ± 0.23      |                  |
|  | Hgb                                      | g/dL                                      | 6.0 ± 0.2        |                  | 13.9 ± 0.6       |                  | 19.2 ± 0.8       |                  |
|  |  | g/L                                       | 60 ± 2.40        |                  | 139 ± 5.56       |                  | 192 ± 7.68       |                  |
|  |  | mmol/L                                    | 3.73 ± 0.15      |                  | 8.63 ± 0.35      |                  | 11.92 ± 0.48     |                  |
|  | Hct                                      | %   | 17.5 ± 0.9       |                  | 40.6 ± 2.0       |                  | 54.9 ± 2.7       |                  |
|  |  | L/L                                       | 0.175 ± 0.009    |                  | 0.406 ± 0.020    |                  | 0.549 ± 0.027    |                  |
|  | MCV/VGM                                  | fL  | 74.0 ± 5.0       |                  | 86.0 ± 5.0       |                  | 95.0 ± 5.0       |                  |
|  | MCH/TCMH                                 | pg  | 25.3 ± 2.5       |                  | 29.4 ± 2.5       |                  | 33.2 ± 2.5       |                  |
|  |  | famol                                     | 1.6 ± 0.2        |                  | 1.8 ± 0.2        |                  | 2.1 ± 0.2        |                  |
|  | MCHC/CCMH                                | g/dL                                      | 34.2 ± 3.0       |                  | 34.2 ± 3.0       |                  | 35.0 ± 3.0       |                  |
|  |  | g/L                                       | 342 ± 30         |                  | 342 ± 30         |                  | 350 ± 30         |                  |
|  | mmol/L                                   | 21.3 ± 1.9                                |                  | 21.3 ± 1.9       |                  | 21.7 ± 1.9       |                  |                  |
| Plt  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 65 ± 9                                    |                  | 252 ± 21         |                  | 502 ± 38         |                  |                  |
| MINDRAY<br><br>BC-2300<br>BC-2100  | WBC/GB                                   | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 2.0 ± 0.1        |                  | 7.8 ± 0.5        |                  | 20.9 ± 1.4       |                  |
|  | LYM%                                     | %   | 59.0 ± 10.0      |                  | 32.5 ± 8.0       |                  | 14.5 ± 8.0       |                  |
|  | MON%                                     | %   | 11.0 ± 8.0       |                  | 7.5 ± 7.0        |                  | 5.5 ± 5.5        |                  |
|  | GRA%                                     | %   | 30.0 ± 9.0       |                  | 60.0 ± 10.0      |                  | 80.0 ± 9.0       |                  |
|  | LYM#                                     | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 1.2 ± 0.3        |                  | 2.5 ± 0.7        |                  | 3.0 ± 1.7        |                  |
|  | MON#                                     | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 0.2 ± 0.2        |                  | 0.6 ± 0.6        |                  | 1.1 ± 1.1        |                  |
|  | GRA#                                     | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 0.6 ± 0.2        |                  | 4.7 ± 0.8        |                  | 16.7 ± 1.9       |                  |
|  | RBC/GR                                   | 10 <sup>6</sup> /µL & 10 <sup>12</sup> /L | 2.36 ± 0.09      |                  | 4.55 ± 0.18      |                  | 5.56 ± 0.22      |                  |
|  | Hgb                                      | g/dL                                      | 6.0 ± 0.2        |                  | 13.6 ± 0.5       |                  | 18.3 ± 0.7       |                  |
|  |  | g/L                                       | 60 ± 2.40        |                  | 136 ± 5.44       |                  | 183 ± 7.32       |                  |
|  |  | mmol/L                                    | 3.73 ± 0.15      |                  | 8.45 ± 0.34      |                  | 11.36 ± 0.45     |                  |
|  | Hct                                      | %   | 17.0 ± 0.9       |                  | 38.4 ± 1.9       |                  | 52.0 ± 2.6       |                  |
|  |  | L/L                                       | 0.170 ± 0.009    |                  | 0.384 ± 0.019    |                  | 0.520 ± 0.026    |                  |
|  | MCV/VGM                                  | fL  | 72.0 ± 5.0       |                  | 84.5 ± 5.0       |                  | 93.5 ± 5.0       |                  |
|  | MCH/TCMH                                 | pg  | 25.4 ± 2.5       |                  | 29.9 ± 2.5       |                  | 32.9 ± 2.5       |                  |
|  |  | famol                                     | 1.6 ± 0.2        |                  | 1.9 ± 0.2        |                  | 2.0 ± 0.2        |                  |
|  | MCHC/CCMH                                | g/dL                                      | 35.3 ± 3.0       |                  | 35.4 ± 3.0       |                  | 35.2 ± 3.0       |                  |
|  |  | g/L                                       | 353 ± 30         |                  | 354 ± 30         |                  | 352 ± 30         |                  |
|  |  | mmol/L                                    | 21.9 ± 1.9       |                  | 22.0 ± 1.9       |                  | 21.8 ± 1.9       |                  |
|  | RDW/IDR                                  | %   | 13.6 ± 3.0       |                  | 12.7 ± 3.0       |                  | 12.4 ± 3.0       |                  |
| RDW/IDR-SD   | fL                                       | 32.0 ± 6.0                                |                  | 35.0 ± 6.0       |                  | 36.7 ± 8.0       |                  |                  |
| Plt  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 60 ± 8                                    |                  | 235 ± 20         |                  | 514 ± 39         |                  |                  |
| MPV/VPM  | fL                                       | 10.3 ± 3.0                                |                  | 10.0 ± 3.0       |                  | 10.1 ± 3.0       |                  |                  |
| Pct/Tht  | %  | 0.06 ± 0.05                               |                  | 0.23 ± 0.10      |                  | 0.52 ± 0.20      |                  |                  |
|  | mL/L                                     | 0.60 ± 0.50                               |                  | 2.30 ± 1.00      |                  | 5.20 ± 2.00      |                  |                  |
| PDW/IDP  | %  | 15.1 ± 3.0                                |                  | 14.9 ± 3.0       |                  | 15.0 ± 3.0       |                  |                  |

**LOT**

Ch.-B.:125

**16**

ASSAY VALUES AND EXPECTED RANGES

 ZIELWERTE UND BEREICHE *RiüBÄK*

 QCP Data Months : **August, September, October**

 QC-Monate : **August, September, Oktober**


Verw. bis: 16.11.2011

rev.20110829

| Instruments : <b>DIAGON (1)</b>                             |  |   |             |         |             |         |             |         |
|---|--|---|-------------|---------|-------------|---------|-------------|---------|
| Instrument  | Parameter / Paramètre                    |   | Low/Niedrig |         | Normal      |         | High/Hoch   |         |
|   |  |   | Ch.-B.:1251 |         | Ch.-B.:1252 |         | Ch.-B.:1253 |         |
|   |  |   | Mean        | Limit   | Mean        | Limit   | Mean        | Limit   |
|   |  | Cibles                                    | Limites     | Cibles  | Limites     | Cibles  | Limites     |         |
| <b>DIAGON</b><br><br><b>D-Cell 60</b><br><b>D-Cell 60CS</b> | WBC/GB                                   | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 2.0         | ± 0.13  | 7.9         | ± 0.51  | 20.4        | ± 1.33  |
|   | LYM%                                     | %   | 59.5        | ± 12.0  | 31.5        | ± 8.0   | 14.5        | ± 7.0   |
|   | MON%                                     | %   | 11.5        | ± 9.0   | 8.0         | ± 7.0   | 5.0         | ± 4.5   |
|   | GRA%                                     | %   | 29.0        | ± 9.0   | 60.5        | ± 8.0   | 80.5        | ± 8.0   |
|   | LYM#                                     | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 1.2         | ± 0.3   | 2.5         | ± 0.7   | 3.0         | ± 1.5   |
|   | MON#                                     | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 0.2         | ± 0.2   | 0.6         | ± 0.6   | 1.0         | ± 0.9   |
|   | GRA#                                     | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 0.6         | ± 0.2   | 4.8         | ± 0.7   | 16.4        | ± 1.7   |
|   | RBC/GR                                   | 10 <sup>6</sup> /µL & 10 <sup>12</sup> /L | 2.47        | ± 0.10  | 4.80        | ± 0.19  | 5.87        | ± 0.23  |
|   | Hgb                                      | g/dL                                      | 5.9         | ± 0.24  | 13.8        | ± 0.55  | 18.8        | ± 0.75  |
|   |  | g/L                                       | 59          | ± 2.36  | 138         | ± 5.52  | 188         | ± 7.52  |
|   |  | mmol/L                                    | 3.66        | ± 0.15  | 8.57        | ± 0.34  | 11.67       | ± 0.47  |
|   | Hct                                      | %   | 18.4        | ± 0.92  | 41.8        | ± 2.09  | 56.4        | ± 2.82  |
|   |  | L/L                                       | 0.184       | ± 0.009 | 0.418       | ± 0.021 | 0.564       | ± 0.028 |
|   | MCV/VGM                                  | fL  | 74.5        | ± 5.0   | 87.0        | ± 5.0   | 96.0        | ± 5.0   |
|   | MCH/TCMH                                 | pg  | 23.9        | ± 2.5   | 28.8        | ± 2.5   | 32.0        | ± 2.5   |
|   |  | famol                                     | 1.5         | ± 0.2   | 1.8         | ± 0.2   | 2.0         | ± 0.2   |
|   | MCHC/CCMH                                | g/dL                                      | 32.1        | ± 3.0   | 33.0        | ± 3.0   | 33.4        | ± 3.0   |
|   |  | g/L                                       | 321         | ± 30    | 330         | ± 30    | 334         | ± 30    |
|   |  | mmol/L                                    | 19.9        | ± 1.9   | 20.5        | ± 1.9   | 20.7        | ± 1.9   |
|   | RDW/IDR                                  | %   | 15.8        | ± 3.0   | 14.8        | ± 3.0   | 13.7        | ± 3.0   |
| RDW/IDR-SD  | fL                                       | 39.0                                      | ± 6.0       | 43.0    | ± 6.0       | 44.5    | ± 8.0       |         |
| Plt   | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 75  | ± 10        | 255     | ± 22        | 510     | ± 38        |         |
| MPV/VPM   | fL                                       | 8.7                                       | ± 3.0       | 8.4     | ± 3.0       | 8.2     | ± 3.0       |         |
| Pct/Tht   | %  | 0.06                                      | ± 0.05      | 0.21    | ± 0.10      | 0.42    | ± 0.20      |         |
|   | mL/L                                     | 0.60                                      | ± 0.50      | 2.10    | ± 1.00      | 4.20    | ± 2.00      |         |
| PDW/IDP   | %  | 16.3                                      | ± 3.0       | 15.7    | ± 3.0       | 15.7    | ± 3.0       |         |
| <b>DIAGON</b><br><br><b>D-Cell 30</b>                       | WBC/GB                                   | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 2.0         | ± 0.13  | 7.7         | ± 0.50  | 20.6        | ± 1.34  |
|   | LYM%                                     | %   | 60.0        | ± 10.0  | 32.3        | ± 8.0   | 14.5        | ± 7.0   |
|   | MON%                                     | %   | 11.0        | ± 8.0   | 6.0         | ± 5.0   | 4.5         | ± 4.5   |
|   | GRA%                                     | %   | 29.0        | ± 9.0   | 61.7        | ± 9.0   | 81.0        | ± 8.0   |
|   | LYM#                                     | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 1.2         | ± 0.3   | 2.5         | ± 0.7   | 3.0         | ± 1.5   |
|   | MON#                                     | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 0.2         | ± 0.2   | 0.5         | ± 0.5   | 0.9         | ± 0.9   |
|   | GRA#                                     | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 0.6         | ± 0.2   | 4.8         | ± 0.8   | 16.7        | ± 1.7   |
|   | RBC/GR                                   | 10 <sup>6</sup> /µL & 10 <sup>12</sup> /L | 2.37        | ± 0.09  | 4.72        | ± 0.19  | 5.78        | ± 0.23  |
|   | Hgb                                      | g/dL                                      | 6.0         | ± 0.24  | 13.9        | ± 0.56  | 19.2        | ± 0.77  |
|   |  | g/L                                       | 60          | ± 2.40  | 139         | ± 5.56  | 192         | ± 7.68  |
|   |  | mmol/L                                    | 3.73        | ± 0.15  | 8.63        | ± 0.35  | 11.92       | ± 0.48  |
|   | Hct                                      | %   | 17.5        | ± 0.88  | 40.6        | ± 2.03  | 54.9        | ± 2.75  |
|   |  | L/L                                       | 0.175       | ± 0.009 | 0.406       | ± 0.020 | 0.549       | ± 0.027 |
|   | MCV/VGM                                  | fL  | 74.0        | ± 5.0   | 86.0        | ± 5.0   | 95.0        | ± 5.0   |
|   | MCH/TCMH                                 | pg  | 25.3        | ± 2.5   | 29.4        | ± 2.5   | 33.2        | ± 2.5   |
|   |  | famol                                     | 1.6         | ± 0.2   | 1.8         | ± 0.2   | 2.1         | ± 0.2   |
|   | MCHC/CCMH                                | g/dL                                      | 34.2        | ± 3.0   | 34.2        | ± 3.0   | 35.0        | ± 3.0   |
|   |  | g/L                                       | 342         | ± 30    | 342         | ± 30    | 350         | ± 30    |
|   |  | mmol/L                                    | 21.3        | ± 1.9   | 21.3        | ± 1.9   | 21.7        | ± 1.9   |
|   | RDW/IDR                                  | %   | 16.0        | ± 3.0   | 15.3        | ± 3.0   | 14.5        | ± 3.0   |
| RDW/IDR   | fL                                       | 40.0                                      | ± 6.0       | 45.2    | ± 6.0       | 46.3    | ± 8.0       |         |
| Plt   | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 65  | ± 9         | 252     | ± 21        | 502     | ± 38        |         |
| MPV/VPM   | fL                                       | 9.5                                       | ± 3.0       | 9.4     | ± 3.0       | 9.3     | ± 3.0       |         |
| Pct/Tht   | %  | 0.06                                      | ± 0.05      | 0.23    | ± 0.10      | 0.46    | ± 0.20      |         |
|   | mL/L                                     | 0.60                                      | ± 0.50      | 2.30    | ± 1.00      | 4.60    | ± 2.00      |         |
| PDW/IDP   | %  | 14.6                                      | ± 3.0       | 14.8    | ± 3.0       | 14.8    | ± 3.0       |         |

**LOT**

Ch.-B.:125

**17**

ASSAY VALUES AND EXPECTED RANGES

 ZIELWERTE UND BEREICHE *RiüBÄK*

 QCP Data Months : **August, September, October**

 QC-Monate : **August, September, Oktober**


Verw. bis: 16.11.2011

rev.20110829

| Instruments : <b>ORPHEE</b>           |  |   |             |         |             |         |             |         |
|---------------------------------------|--|---|-------------|---------|-------------|---------|-------------|---------|
| Instrument                            | Parameter / Paramètre                    |   | Low/Niedrig |         | Normal      |         | High/Hoch   |         |
|                                       |  |   | Ch.-B.:1251 |         | Ch.-B.:1252 |         | Ch.-B.:1253 |         |
|                                       |  |   | Mean        | Limit   | Mean        | Limit   | Mean        | Limit   |
|                                       |  |   |             |         |             |         |             |         |
|                                       |  |   | Cibles      | Limites | Cibles      | Limites | Cibles      | Limites |
| <b>ORPHEE</b><br><br><b>MYTHIC 18</b> | WBC/GB                                   | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 2.1         | ± 0.14  | 7.7         | ± 0.50  | 20.0        | ± 1.30  |
|                                       | LYM%                                     | %   | 55.0        | ± 7.0   | 30.0        | ± 7.0   | 13.5        | ± 6.0   |
|                                       | MON%                                     | %   | 12.0        | ± 6.0   | 5.5         | ± 5.0   | 3.0         | ± 3.0   |
|                                       | GRA%                                     | %   | 33.0        | ± 7.0   | 64.5        | ± 7.0   | 83.5        | ± 8.0   |
|                                       | LYM#                                     | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 1.2         | ± 0.2   | 2.3         | ± 0.6   | 2.7         | ± 1.2   |
|                                       | MON#                                     | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 0.3         | ± 0.2   | 0.4         | ± 0.4   | 0.6         | ± 0.6   |
|                                       | GRA#                                     | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 0.7         | ± 0.2   | 5.0         | ± 0.6   | 16.7        | ± 1.7   |
|                                       | RBC/GR                                   | 10 <sup>6</sup> /µL & 10 <sup>12</sup> /L | 2.43        | ± 0.10  | 4.70        | ± 0.19  | 5.74        | ± 0.23  |
|                                       | Hgb                                      | g/dL                                      | 6.0         | ± 0.24  | 13.7        | ± 0.55  | 18.3        | ± 0.73  |
|                                       |  | g/L                                       | 60          | ± 2.40  | 137         | ± 5.48  | 183         | ± 7.32  |
|                                       |  | mmol/L                                    | 3.73        | ± 0.15  | 8.51        | ± 0.34  | 11.36       | ± 0.45  |
|                                       | Hct                                      | %   | 18.5        | ± 0.93  | 40.9        | ± 2.05  | 54.5        | ± 2.73  |
|                                       |  | L/L                                       | 0.185       | ± 0.009 | 0.409       | ± 0.020 | 0.545       | ± 0.027 |
|                                       | MCV/VGM                                  | fL  | 76.0        | ± 5.0   | 87.0        | ± 5.0   | 95.0        | ± 5.0   |
|                                       | MCH/TCMH                                 | pg  | 24.7        | ± 2.5   | 29.1        | ± 2.5   | 31.9        | ± 2.5   |
|                                       |  | fmol                                      | 1.5         | ± 0.2   | 1.8         | ± 0.2   | 2.0         | ± 0.2   |
|                                       | MCHC/CCMH                                | g/dL                                      | 32.5        | ± 3.0   | 33.5        | ± 3.0   | 33.6        | ± 3.0   |
|                                       |  | g/L                                       | 325         | ± 30    | 335         | ± 30    | 336         | ± 30    |
|                                       |  | mmol/L                                    | 20.2        | ± 1.9   | 20.8        | ± 1.9   | 20.8        | ± 1.9   |
|                                       | RDW/IDR                                  | %   | 14.5        | ± 3.0   | 14.0        | ± 3.0   | 13.0        | ± 3.0   |
| Plt                                   | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 72  | ± 10        | 260     | ± 22        | 534     | ± 40        |         |
| MPV/VPM                               | fL                                       | 8.2                                       | ± 3.0       | 7.5     | ± 3.0       | 7.5     | ± 3.0       |         |
| Pct/Tht                               | %  | 0.059                                     | ± 0.050     | 0.195   | ± 0.075     | 0.401   | ± 0.115     |         |
|                                       | mL/L                                     | 0.59                                      | ± 0.50      | 1.95    | ± 0.75      | 4.01    | ± 1.15      |         |
| <b>ORPHEE</b><br><b>MYTHIC 22</b>     | WBC/GB                                   | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 1.2         | ± 0.16  | 5.5         | ± 0.36  | 18.0        | ± 1.17  |
|                                       | RBC/GR                                   | 10 <sup>6</sup> /µL & 10 <sup>12</sup> /L | 2.38        | ± 0.10  | 4.72        | ± 0.19  | 5.75        | ± 0.23  |
|                                       | Hgb                                      | g/dL                                      | 4.8         | ± 0.19  | 11.0        | ± 0.44  | 15.2        | ± 0.61  |
|                                       |  | g/L                                       | 48          | ± 1.92  | 110         | ± 4.40  | 152         | ± 6.08  |
|                                       |  | mmol/L                                    | 2.98        | ± 0.12  | 6.83        | ± 0.27  | 9.44        | ± 0.38  |
|                                       | Hct                                      | %   | 16.0        | ± 0.80  | 37.2        | ± 1.86  | 50.0        | ± 2.50  |
|                                       |  | L/L                                       | 0.160       | ± 0.008 | 0.372       | ± 0.019 | 0.500       | ± 0.025 |
|                                       | MCV/VGM                                  | fL  | 67.2        | ± 5.0   | 78.8        | ± 5.0   | 87.0        | ± 5.0   |
|                                       | MCH/TCMH                                 | pg  | 20.2        | ± 2.5   | 23.3        | ± 3.0   | 26.4        | ± 3.5   |
|                                       |  | fmol                                      | 1.3         | ± 0.2   | 1.5         | ± 0.2   | 1.6         | ± 0.2   |
|                                       | MCHC/CCMH                                | g/dL                                      | 30.0        | ± 3.0   | 29.6        | ± 3.5   | 30.4        | ± 3.5   |
|                                       |  | g/L                                       | 300         | ± 30    | 296         | ± 35    | 304         | ± 35    |
|                                       |  | mmol/L                                    | 18.6        | ± 1.9   | 18.4        | ± 2.2   | 18.9        | ± 2.2   |
|                                       | RDW/IDR                                  | %   | 16.0        | ± 5.0   | 14.5        | ± 5.0   | 13.5        | ± 5.0   |
|                                       | Plt                                      | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 82          | ± 11    | 260         | ± 22    | 530         | ± 40    |
|                                       | MPV/VPM                                  | fL  | 9.4         | ± 3.0   | 9.2         | ± 3.0   | 9.1         | ± 3.0   |
| Pct/Tht                               | %  | 0.077                                     | ± 0.050     | 0.239   | ± 0.075     | 0.482   | ± 0.115     |         |
|                                       | mL/L                                     | 0.77                                      | ± 0.50      | 2.39    | ± 0.75      | 4.82    | ± 1.15      |         |
| PDW/IDP                               | %  | 14.5                                      | ± 5.0       | 14.0    | ± 5.0       | 15.0    | ± 5.0       |         |

V2011

**LOT**

Ch.-B.:125

**18**

ASSAY VALUES AND EXPECTED RANGES

 ZIELWERTE UND BEREICHE *RiibÄK*

 QCP Data Months : **August, September, October**

 QC-Monate : **August, September, Oktober**


Verw. bis: 16.11.2011

rev.20110829

| <b>Instruments : Bayer (1)</b> |  | <b>Low/Niedrig</b>                        |   | <b>Normal</b>      |                  | <b>High/Hoch</b>   |                  |  |
|--------------------------------|--|---|---|--------------------|------------------|--------------------|------------------|--|
| <b>Instrument</b>              | <b>Parameter / Paramètre</b>             | <b>Ch.-B.:1251</b>                        |   | <b>Ch.-B.:1252</b> |                  | <b>Ch.-B.:1253</b> |                  |  |
|                                |  | Mean<br>Cibles                            | Limit<br>Limites                          | Mean<br>Cibles     | Limit<br>Limites | Mean<br>Cibles     | Limit<br>Limites |  |
| <b>BAYER</b>                   | WBC/GB                                   | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 1.70 ± 0.22                               | 6.50 ± 0.42        | 18.40 ± 1.20     |                    |                  |  |
|                                | RBC/GR                                   | 10 <sup>6</sup> /µL & 10 <sup>12</sup> /L | 2.42 ± 0.10                               | 4.60 ± 0.18        | 5.65 ± 0.23      |                    |                  |  |
|                                | Hgb                                      | g/dL                                      | 6.0 ± 0.24                                | 13.4 ± 0.54        | 17.8 ± 0.71      |                    |                  |  |
|                                |  | g/L                                       | 60 ± 2.40                                 | 134 ± 5.36         | 178 ± 7.12       |                    |                  |  |
|                                |  | mmol/L                                    | 3.73 ± 0.15                               | 8.32 ± 0.33        | 11.05 ± 0.44     |                    |                  |  |
|                                | Hct                                      | %   | 15.5 ± 0.78                               | 35.9 ± 1.80        | 48.3 ± 2.42      |                    |                  |  |
|                                |  | L/L                                       | 0.155 ± 0.008                             | 0.359 ± 0.018      | 0.483 ± 0.024    |                    |                  |  |
|                                | MCV/VGM                                  | fL  | 64.0 ± 5.0                                | 78.0 ± 5.0         | 85.5 ± 5.0       |                    |                  |  |
|                                | MCH/TCMH                                 | pg  | 24.8 ± 2.5                                | 29.1 ± 3.0         | 31.5 ± 3.2       |                    |                  |  |
|                                |  | famol                                     | 1.54 ± 0.16                               | 1.81 ± 0.19        | 1.96 ± 0.20      |                    |                  |  |
| <b>ADVIA 120</b>               | MCHC/CCMH                                | g/dL                                      | 38.7 ± 4.0                                | 37.3 ± 4.0         | 36.9 ± 4.0       |                    |                  |  |
|                                |  | g/L                                       | 387 ± 40.0                                | 373 ± 40           | 369 ± 40         |                    |                  |  |
|                                |  | mmol/L                                    | 24.1 ± 2.5                                | 23.2 ± 2.5         | 22.9 ± 2.5       |                    |                  |  |
|                                | RDW/IDR                                  | %   | 16.5 ± 5.0                                | 15.0 ± 4.5         | 13.5 ± 4.5       |                    |                  |  |
|                                | Plt                                      | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 60 ± 8                                    | 235 ± 20           | 525 ± 39         |                    |                  |  |
|                                | MPV/VPM                                  | fL  | 9.1 ± 3.5                                 | 9.1 ± 3.5          | 9.1 ± 3.5        |                    |                  |  |
|                                | IDP/PDW                                  | %   | 34.0 ± 12.0                               | 37.5 ± 12.0        | 36.0 ± 12.0      |                    |                  |  |
|                                | <b>Instrumente : SYSMEX (1)</b>          |   | <b>Low/Niedrig</b>                        |                    | <b>Normal</b>    |                    | <b>High/Hoch</b> |  |
|                                | <b>SYSMEX</b>                            | WBC/GB                                    | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 2.00 ± 0.13        | 7.30 ± 0.47      | 19.10 ± 1.24       |                  |  |
|                                |  | RBC/GR                                    | 10 <sup>6</sup> /µL & 10 <sup>12</sup> /L | 2.43 ± 0.10        | 4.72 ± 0.19      | 5.72 ± 0.23        |                  |  |
| <b>SYSMEX KX-21</b>            | Hgb                                      | g/dL                                      | 6.0 ± 0.24                                | 13.6 ± 0.54        | 18.4 ± 0.74      |                    |                  |  |
|                                |  | g/L                                       | 60 ± 2.40                                 | 136 ± 5.44         | 184 ± 7.36       |                    |                  |  |
|                                |  | mmol/L                                    | 3.73 ± 0.15                               | 8.45 ± 0.34        | 11.43 ± 0.46     |                    |                  |  |
|                                | Hct                                      | %   | 16.7 ± 0.84                               | 36.8 ± 1.84        | 48.8 ± 2.44      |                    |                  |  |
|                                |  | L/L                                       | 0.167 ± 0.008                             | 0.368 ± 0.018      | 0.488 ± 0.024    |                    |                  |  |
|                                | MCV/VGM                                  | fL  | 68.7 ± 5.0                                | 78.0 ± 5.0         | 85.3 ± 5.0       |                    |                  |  |
|                                | MCH/TCMH                                 | pg  | 24.7 ± 2.5                                | 28.8 ± 3.0         | 32.2 ± 3.2       |                    |                  |  |
|                                |  | famol                                     | 1.53 ± 0.15                               | 1.79 ± 0.19        | 2.00 ± 0.20      |                    |                  |  |
|                                | MCHC/CCMH                                | g/dL                                      | 35.9 ± 4.0                                | 37.0 ± 4.0         | 37.7 ± 4.0       |                    |                  |  |
|                                |  | g/L                                       | 359 ± 40                                  | 370 ± 40           | 377 ± 40         |                    |                  |  |
|                                | mmol/L                                   | 22.3 ± 2.5                                | 23.0 ± 2.5                                | 23.4 ± 2.5         |                  |                    |                  |  |
| RDW-CV/IDR-CV                  | %  | 11.5 ± 5.0                                | 10.0 ± 5.0                                | 10.0 ± 5.0         |                  |                    |                  |  |
| RDW-SD/IDR-SD                  | fL                                       | 32.5 ± 11.0                               | 35.5 ± 12.0                               | 34.5 ± 13.0        |                  |                    |                  |  |
| Plt                            | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 60 ± 8                                    | 260 ± 22                                  | 570 ± 43           |                  |                    |                  |  |
| MPV/VPM                        | fL                                       | 8.5 ± 3.5                                 | 8.6 ± 3.5                                 | 8.7 ± 3.5          |                  |                    |                  |  |

**LOT**

Ch.-B.:125

**19**

ASSAY VALUES AND EXPECTED RANGES

 ZIELWERTE UND BEREICHE *RiüBÄK*

 QCP Data Months : **August, September, October**

 QC-Monate : **August, September, Oktober**


Verw. bis: 16.11.2011

rev.20110829

| <b>Instrumente : HOSPITEX</b>   |  |   |                  |                  |                  |                  |                  |                  |
|---|--|---|------------------|------------------|------------------|------------------|------------------|------------------|
| Instrument  | Parameter / Paramètre                    |   | Low/Niedrig      |                  | Normal           |                  | High/Hoch        |                  |
|   |  |   | Ch.-B.:1251      |                  | Ch.-B.:1252      |                  | Ch.-B.:1253      |                  |
|   |  |   | Mean<br>Zielwert | Limit<br>Bereich | Mean<br>Zielwert | Limit<br>Bereich | Mean<br>Zielwert | Limit<br>Bereich |
| <b>Hospitex</b><br><br><b>Alle Systeme mit 3-fach-Diff</b>                  | WBC/Leuko                                | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 2.1 ± 0.14       |                  | 7.6 ± 0.49       |                  | 20.6 ± 1.34      |                  |
|   | RBC/Ery                                  | 10 <sup>6</sup> /µL & 10 <sup>12</sup> /L | 2.37 ± 0.09      |                  | 4.65 ± 0.19      |                  | 5.64 ± 0.23      |                  |
|   | HGB/Hb                                   | g/dL                                      | 5.9 ± 0.24       |                  | 13.6 ± 0.54      |                  | 18.1 ± 0.72      |                  |
|   |  | g/L                                       | 59 ± 2.36        |                  | 136 ± 5.44       |                  | 181 ± 7.24       |                  |
|   |  | mmol/L                                    | 3.7 ± 0.15       |                  | 8.4 ± 0.34       |                  | 11.2 ± 0.45      |                  |
|   | HCT                                      | %   | 17.3 ± 0.87      |                  | 39.3 ± 1.97      |                  | 52.8 ± 2.64      |                  |
|   |  | L/L                                       | 0.173 ± 0.009    |                  | 0.393 ± 0.020    |                  | 0.528 ± 0.026    |                  |
|   | MCV/VGM                                  | fL  | 73.0 ± 4.0       |                  | 84.5 ± 4.0       |                  | 93.6 ± 4.0       |                  |
|   | MCH/TCMH                                 | pg  | 24.9 ± 2.4       |                  | 29.2 ± 2.8       |                  | 32.1 ± 2.8       |                  |
|   |  | fmol                                      | 1.56 ± 0.15      |                  | 1.81 ± 0.17      |                  | 1.99 ± 0.17      |                  |
|   | MCHC/CCMH                                | g/dL                                      | 34.1 ± 3.0       |                  | 34.6 ± 3.0       |                  | 34.3 ± 3.0       |                  |
|   |  | g/L                                       | 341 ± 30         |                  | 346 ± 30         |                  | 343 ± 30         |                  |
|   |  | mmol/L                                    | 21.4 ± 1.9       |                  | 21.4 ± 1.9       |                  | 21.2 ± 1.9       |                  |
|   | RDW/IDR                                  | %   | 16.3 ± 3.0       |                  | 15.5 ± 3.0       |                  | 14.9 ± 3.0       |                  |
|   | PLT/Thrombo                              | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 67 ± 9           |                  | 250 ± 21         |                  | 510 ± 38         |                  |
|   | MPV/VPM                                  | fL  | 7.3 ± 2.0        |                  | 7.1 ± 2.0        |                  | 7.6 ± 2.0        |                  |
|   | LY%                                      | %   | 58.0 ± 8.0       |                  | 33.0 ± 7.0       |                  | 15.8 ± 7.0       |                  |
|   | MO%                                      | %   | 13.0 ± 6.0       |                  | 6.5 ± 6.0        |                  | 4.7 ± 4.7        |                  |
|   | GR%                                      | %   | 29.0 ± 8.0       |                  | 60.5 ± 8.0       |                  | 79.5 ± 8.0       |                  |
|   | LY#                                      | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 1.2 ± 0.2        |                  | 2.5 ± 0.5        |                  | 3.3 ± 1.5        |                  |
| MO#   | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 0.3 ± 0.1                                 |                  | 0.5 ± 0.5        |                  | 1.0 ± 1.0        |                  |                  |
| GR#   | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 0.6 ± 0.2                                 |                  | 4.6 ± 0.6        |                  | 16.4 ± 1.7       |                  |                  |
| <b>Instrumente : ERMA</b>   |  |   |                  |                  |                  |                  |                  |                  |
| Instrument  | Parameter / Paramètre                    |   | Low/Niedrig      |                  | Normal           |                  | High/Hoch        |                  |
|   |  |   | Ch.-B.:1251      |                  | Ch.-B.:1252      |                  | Ch.-B.:1253      |                  |
|   |  |   | Mean<br>Zielwert | Limit<br>Bereich | Mean<br>Zielwert | Limit<br>Bereich | Mean<br>Zielwert | Limit<br>Bereich |
| <b>Ermax - 18</b><br><br><b>PCE-140</b><br><b>PCE-170</b><br><b>PCE-210</b> | WBC/Leuko                                | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 2.0 ± 0.13       |                  | 7.3 ± 0.47       |                  | 21.5 ± 1.40      |                  |
|   | RBC/Ery                                  | 10 <sup>6</sup> /µL & 10 <sup>12</sup> /L | 2.42 ± 0.10      |                  | 4.66 ± 0.19      |                  | 5.42 ± 0.22      |                  |
|   | HGB/Hb                                   | g/dL                                      | 5.7 ± 0.23       |                  | 13.2 ± 0.53      |                  | 17.4 ± 0.70      |                  |
|   |  | g/L                                       | 57 ± 2.28        |                  | 132 ± 5.28       |                  | 174 ± 6.96       |                  |
|   |  | mmol/L                                    | 3.5 ± 0.14       |                  | 8.2 ± 0.33       |                  | 10.8 ± 0.43      |                  |
|   | HCT                                      | %   | 18.4 ± 0.92      |                  | 41.2 ± 2.06      |                  | 54.4 ± 2.72      |                  |
|   |  | L/L                                       | 0.184 ± 0.009    |                  | 0.412 ± 0.021    |                  | 0.544 ± 0.027    |                  |
|   | MCV/VGM                                  | fL  | 76.0 ± 5.0       |                  | 88.4 ± 5.0       |                  | 100.4 ± 5.0      |                  |
|   | MCH/TCMH                                 | pg  | 23.6 ± 2.5       |                  | 28.3 ± 3.0       |                  | 32.1 ± 3.2       |                  |
|   |  | fmol                                      | 1.45 ± 0.15      |                  | 1.76 ± 0.19      |                  | 1.99 ± 0.20      |                  |
|   | MCHC/CCMH                                | g/dL                                      | 31.0 ± 4.0       |                  | 32.0 ± 4.0       |                  | 32.0 ± 4.0       |                  |
|   |  | g/L                                       | 310 ± 40         |                  | 320 ± 40         |                  | 320 ± 40         |                  |
|   |  | mmol/L                                    | 19.0 ± 2.5       |                  | 19.9 ± 2.5       |                  | 19.9 ± 2.5       |                  |
|   | RDW                                      | %   | 19.0 ± 5.0       |                  | 17.5 ± 4.5       |                  | 16.0 ± 4.5       |                  |
|   | PLT/Thrombo                              | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 75 ± 10          |                  | 275 ± 23         |                  | 545 ± 41         |                  |
|   | MPV                                      | fL  | 8.1 ± 3.0        |                  | 6.9 ± 3.0        |                  | 7.9 ± 3.0        |                  |
|   | PDW%                                     | %   | 16.5 ± 3.0       |                  | 15.1 ± 3.0       |                  | 14.4 ± 3.0       |                  |
|   | LYM%                                     | %   | 50.0 ± 14.0      |                  | 33.5 ± 10.0      |                  | 28.0 ± 8.0       |                  |
|   | MONO%                                    | %   | 6.0 ± 6.0        |                  | 4.0 ± 4.0        |                  | 3.5 ± 3.5        |                  |
|   | GRA%                                     | %   | 44.0 ± 14.0      |                  | 62.5 ± 12.0      |                  | 68.5 ± 12.0      |                  |
| LYM#  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 1.0 ± 0.3                                 |                  | 2.4 ± 0.7        |                  | 6.0 ± 1.7        |                  |                  |
| MONO#   | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 0.1 ± 0.1                                 |                  | 0.3 ± 0.3        |                  | 0.8 ± 0.8        |                  |                  |
| GRA#  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 0.9 ± 0.3                                 |                  | 4.6 ± 0.9        |                  | 14.7 ± 2.6       |                  |                  |

**LOT**

Ch.-B.:125

**20**

ASSAY VALUES AND EXPECTED RANGES

VALEURS CIBLES ET INTERVALLES DE VARIATIONS

QCP Data Months :

**August, September, October**

Mois de Contrôle :

**August, September, Oktober**


Verw. bis: 16.11.2011

rev.20110829

| Instruments : <b>BIOCODE HYCEL (1)</b> |  | Low/Niedrig                              |   | Normal           |                  | High/Hoch        |                  |
|--|--|--|---|------------------|------------------|------------------|------------------|
| Instrument                             | Parameter / Paramètre                    | Ch.-B.:1251                              |   | Ch.-B.:1252      |                  | Ch.-B.:1253      |                  |
|  |  | Mean<br>Zielwert                         | Limit<br>Bereich                          | Mean<br>Zielwert | Limit<br>Bereich | Mean<br>Zielwert | Limit<br>Bereich |
| <b>BIOCODE HYCEL</b>                   | WBC/GB                                   | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 1.9 ± 0.2                                 | 7.5 ± 0.5        | 21.5 ± 1.4       |                  |                  |
|  | LYM%                                     | %  | 59 ± 15                                   | 31 ± 8           | 16 ± 8           |                  |                  |
|  | MON%                                     | %  | 13 ± 6                                    | 8 ± 4            | 5 ± 4            |                  |                  |
|  | GRA%                                     | %  | 28 ± 10                                   | 61 ± 7           | 79 ± 8           |                  |                  |
|  | LYM#                                     | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 1.1 ± 0.3                                 | 2.3 ± 0.6        | 3.4 ± 1.7        |                  |                  |
|  | MON#                                     | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 0.2 ± 0.1                                 | 0.6 ± 0.3        | 1.1 ± 0.9        |                  |                  |
|  | GRA#                                     | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 0.5 ± 0.2                                 | 4.6 ± 0.5        | 17.0 ± 1.7       |                  |                  |
|  | <b>CELLY</b>                             | RBC/GR                                   | 10 <sup>6</sup> /µL & 10 <sup>12</sup> /L | 2.34 ± 0.09      | 4.64 ± 0.19      | 5.72 ± 0.23      |                  |
|  |  | Hgb                                      | g/dL                                      | 6.4 ± 0.3        | 13.3 ± 0.5       | 18.0 ± 0.7       |                  |
|  | <b>CELLY-70</b>                          |  | g/L                                       | 64 ± 2.6         | 133 ± 5.3        | 180 ± 7.2        |                  |
|  |  |  | mmol/L                                    | 3.97 ± 0.2       | 8.26 ± 0.3       | 11.18 ± 0.4      |                  |
|  |  | Hct                                      | %   | 15.6 ± 0.8       | 36.3 ± 1.8       | 49.6 ± 2.5       |                  |
|  |  |  | L/L                                       | 0.156 ± 0.008    | 0.363 ± 0.018    | 0.496 ± 0.025    |                  |
|  |  | MCV/VGM                                  | fL  | 66.7 ± 5.0       | 78.2 ± 5.0       | 86.7 ± 5.0       |                  |
| MCH/TCMH                               |  | pg                                       | 27.4 ± 2.5                                | 28.7 ± 3.0       | 31.5 ± 3.0       |                  |                  |
|  |  | fmol                                     | 1.70 ± 0.16                               | 1.78 ± 0.19      | 1.95 ± 0.19      |                  |                  |
| MCHC/CCMH                              |  | g/dL                                     | 41.0 ± 3.5                                | 36.6 ± 3.5       | 36.3 ± 3.8       |                  |                  |
|  |  | g/L                                      | 410 ± 35                                  | 366 ± 35         | 363 ± 38         |                  |                  |
|  |  | mmol/L                                   | 25.4 ± 2.2                                | 22.8 ± 2.2       | 22.5 ± 2.4       |                  |                  |
| RDW/IDR                                | %  | 12.6 ± 5.5                               | 11.9 ± 5.5                                | 11.5 ± 5.5       |                  |                  |                  |
| Plt                                    | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 53 ± 7                                   | 227 ± 19                                  | 490 ± 37         |                  |                  |                  |
| MPV/VPM                                | fL                                       | 8.5 ± 3.0                                | 8.2 ± 3.0                                 | 8.2 ± 3.0        |                  |                  |                  |
| Pct/Tht                                | %  | 0.045 ± 0.035                            | 0.186 ± 0.065                             | 0.402 ± 0.110    |                  |                  |                  |
|  | mL/L                                     | 0.45 ± 0.35                              | 1.86 ± 0.65                               | 4.02 ± 1.10      |                  |                  |                  |
|  | PDW/IDP                                  | %  | 19.5 ± 12.0                               | 16.1 ± 10.0      | 13.2 ± 10.0      |                  |                  |
| <b>BIOCODE HYCEL</b>                   | WBC/GB                                   | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 2.2 ± 0.1                                 | 7.8 ± 0.5        | 21.0 ± 1.4       |                  |                  |
|  | LYM%                                     | %  | 59 ± 15                                   | 31 ± 8           | 15 ± 8           |                  |                  |
|  | MON%                                     | %  | 11 ± 6                                    | 6 ± 4            | 4 ± 4            |                  |                  |
|  | GRA%                                     | %  | 30 ± 10                                   | 63 ± 7           | 81 ± 8           |                  |                  |
|  | LYM#                                     | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 1.3 ± 0.3                                 | 2.4 ± 0.6        | 3.2 ± 1.7        |                  |                  |
|  | MON#                                     | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 0.2 ± 0.1                                 | 0.5 ± 0.3        | 0.8 ± 0.8        |                  |                  |
|  | GRA#                                     | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 0.7 ± 0.2                                 | 4.9 ± 0.5        | 17.0 ± 1.7       |                  |                  |
|  | <b>DATACELL 20</b>                       | RBC/GR                                   | 10 <sup>6</sup> /µL & 10 <sup>12</sup> /L | 2.51 ± 0.10      | 4.73 ± 0.19      | 5.70 ± 0.23      |                  |
|  |  | Hgb                                      | g/dL                                      | 6.1 ± 0.2        | 14.0 ± 0.6       | 18.4 ± 0.7       |                  |
|  | <b>HEMACELL Plus</b>                     |  | g/L                                       | 61 ± 2.4         | 140 ± 5.6        | 184 ± 7.4        |                  |
|  |  |  | mmol/L                                    | 3.79 ± 0.15      | 8.69 ± 0.35      | 11.43 ± 0.46     |                  |
|  |  | Hct                                      | %   | 17.7 ± 0.9       | 39.3 ± 2.0       | 51.8 ± 2.6       |                  |
|  |  |  | L/L                                       | 0.177 ± 0.009    | 0.393 ± 0.020    | 0.518 ± 0.026    |                  |
|  |  | MCV/VGM                                  | fL  | 71 ± 5           | 83 ± 5           | 91 ± 5           |                  |
|  |  | MCH/TCMH                                 | pg  | 24.3 ± 2.5       | 29.6 ± 3.0       | 32.3 ± 3.2       |                  |
|  |  |  | fmol                                      | 1.51 ± 0.16      | 1.84 ± 0.19      | 2.01 ± 0.20      |                  |
|  |  | MCHC/CCMH                                | g/dL                                      | 34.5 ± 3.5       | 35.6 ± 3.5       | 35.5 ± 3.5       |                  |
|  |  |  | g/L                                       | 345 ± 35         | 356 ± 35         | 355 ± 35         |                  |
|  |  | mmol/L                                   | 21.4 ± 2.2                                | 22.1 ± 2.2       | 22.1 ± 2.2       |                  |                  |
| RDW/IDR                                | %  | 11.5 ± 5.0                               | 11.2 ± 5.0                                | 10.7 ± 5.0       |                  |                  |                  |
| Plt                                    | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 68 ± 9                                   | 238 ± 20                                  | 485 ± 36         |                  |                  |                  |
| MPV/VPM                                | fL                                       | 10.1 ± 2.5                               | 7.5 ± 2.5                                 | 7.2 ± 2.5        |                  |                  |                  |

**LOT**

Ch.-B.:125

**21**

ASSAY VALUES AND EXPECTED RANGES

 ZIELWERTE UND BEREICHE *RiüBÄK*

 QCP Data Months : **August, September, October**

 QC-Monate : **August, September, Oktober**


Verw. bis: 16.11.2011

rev.20110829

| <b>Instruments : ABBOTT</b>   |  |   |                  |                |                  |                |                  |
|---|--|---|------------------|----------------|------------------|----------------|------------------|
| Instrument  | Parameter / Paramètre                    | Low/Niedrig                               |                  | Normal         |                  | High/Hoch      |                  |
|   |  | Ch.-B.:1251                               |                  | Ch.-B.:1252    |                  | Ch.-B.:1253    |                  |
|   |  | Mean<br>Cibles                            | Limit<br>Limites | Mean<br>Cibles | Limit<br>Limites | Mean<br>Cibles | Limit<br>Limites |
| <b>ABBOTT (1)</b><br><b>Cell-Dyn Emerald</b>  | WBC/GB                                   | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 2.1 ± 0.14       | 7.6 ± 0.49     | 19.5 ± 1.27      |                |                  |
|   | RBC/GR                                   | 10 <sup>6</sup> /µL & 10 <sup>12</sup> /L | 2.41 ± 0.10      | 4.65 ± 0.19    | 5.62 ± 0.22      |                |                  |
|   | Hgb                                      | g/dL                                      | 5.8 ± 0.23       | 13.4 ± 0.54    | 18.2 ± 0.73      |                |                  |
|   |  | g/L                                       | 58 ± 2.32        | 134 ± 5.36     | 182 ± 7.28       |                |                  |
|   | Hct                                      | mmol/L                                    | 3.60 ± 0.14      | 8.30 ± 0.33    | 11.30 ± 0.45     |                |                  |
|   |  | %   | 18.2 ± 0.91      | 40.0 ± 2.00    | 53.1 ± 2.66      |                |                  |
|   | MCV/VGM                                  | L/L                                       | 0.182 ± 0.009    | 0.400 ± 0.020  | 0.531 ± 0.027    |                |                  |
|   |  | fL  | 75.5 ± 5.0       | 86.0 ± 5.0     | 94.5 ± 5.0       |                |                  |
|   | MCH/TCMH                                 | pg  | 24.1 ± 2.5       | 28.8 ± 2.8     | 32.4 ± 2.8       |                |                  |
|   |  | fmol                                      | 1.5 ± 0.2        | 1.8 ± 0.2      | 2.0 ± 0.2        |                |                  |
|   | MCHC/CCMH                                | g/dL                                      | 31.9 ± 3.0       | 33.5 ± 3.0     | 34.3 ± 3.0       |                |                  |
|   |  | g/L                                       | 319 ± 30         | 335 ± 30       | 343 ± 30         |                |                  |
|   | RDW/IDR                                  | mmol/L                                    | 19.8 ± 2.0       | 20.8 ± 2.0     | 21.2 ± 2.0       |                |                  |
|   |  | %   | 15.8 ± 3.0       | 15.5 ± 3.0     | 14.0 ± 3.0       |                |                  |
|   | Plt                                      | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 70 ± 9           | 255 ± 22       | 510 ± 38         |                |                  |
|   | MPV/VPM                                  | fL  | 7.7 ± 3.0        | 7.2 ± 3.0      | 7.2 ± 3.0        |                |                  |
|   | LY%                                      | %   | 53.0 ± 6.0       | 30.0 ± 4.0     | 14.0 ± 4.0       |                |                  |
|   | MO%                                      | %   | 12.5 ± 4.0       | 6.0 ± 4.0      | 3.0 ± 3.0        |                |                  |
|   | GR%                                      | %   | 34.5 ± 5.0       | 64.0 ± 5.0     | 83.0 ± 5.0       |                |                  |
|   | LY#                                      | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 1.1 ± 0.2        | 2.3 ± 0.4      | 2.7 ± 0.8        |                |                  |
| MO#   | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 0.300 ± 0.100                             | 0.500 ± 0.400    | 0.600 ± 0.600  |                  |                |                  |
| GR#   | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L | 0.70 ± 0.20                               | 4.90 ± 0.40      | 16.20 ± 1.00   |                  |                |                  |
| <b>Instrumente : BGT</b>  |  |   |                  |                |                  |                |                  |
| <b>BGT</b><br><br><br><br><br><br><br><br><br><br><br><br><br><b>HEMO3A</b><br><br><b>Hem-o-test 2000</b><br><br><br><br><b>Hem-o-test 2100</b> | WBC/Leuko                                | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 1.7 ± 0.22       | 7.4 ± 0.48     | 19.5 ± 1.27      |                |                  |
|   | RBC/Ery                                  | 10 <sup>6</sup> /µL & 10 <sup>12</sup> /L | 2.23 ± 0.09      | 4.40 ± 0.18    | 5.31 ± 0.21      |                |                  |
|   | HGB/Hb                                   | g/dL                                      | 5.6 ± 0.22       | 12.9 ± 0.52    | 17.1 ± 0.68      |                |                  |
|   |  | g/L                                       | 56 ± 2.23        | 129 ± 5.17     | 171 ± 6.83       |                |                  |
|   | HCT                                      | mmol/L                                    | 3.46 ± 0.14      | 8.02 ± 0.32    | 10.59 ± 0.42     |                |                  |
|   |  | %   | 14.9 ± 0.75      | 34.8 ± 1.74    | 45.8 ± 2.29      |                |                  |
|   | MCV/VGM                                  | L/L                                       | 0.149 ± 0.007    | 0.348 ± 0.017  | 0.458 ± 0.023    |                |                  |
|   |  | fL  | 67.1 ± 4.0       | 79.4 ± 4.0     | 86.4 ± 4.0       |                |                  |
|   | MCH/TCMH                                 | pg  | 24.9 ± 2.4       | 29.4 ± 2.4     | 32.1 ± 2.8       |                |                  |
|   |  | fmol                                      | 1.54 ± 0.15      | 1.82 ± 0.15    | 1.99 ± 0.17      |                |                  |
|   | MCHC/CCMH                                | g/dL                                      | 37.2 ± 3.0       | 37.1 ± 3.0     | 37.2 ± 3.0       |                |                  |
|   |  | g/L                                       | 372 ± 30         | 371 ± 30       | 372 ± 30         |                |                  |
|   | RDW/IDR                                  | mmol/L                                    | 23.1 ± 1.9       | 23.0 ± 1.9     | 23.1 ± 1.9       |                |                  |
|   |  | %   | 15.2 ± 3.0       | 15.5 ± 3.0     | 13.9 ± 3.0       |                |                  |
|   | PLT/Thrombo                              | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 70 ± 9           | 287 ± 24       | 503 ± 38         |                |                  |
|   | MPV/VPM                                  | fL  | 10.0 ± 2.0       | 10.7 ± 2.0     | 10.1 ± 2.0       |                |                  |
|   | Pct/Tht                                  | %   | 0.070 ± 0.040    | 0.310 ± 0.060  | 0.510 ± 0.100    |                |                  |
|   |  | mL/L                                      | 0.70 ± 0.40      | 3.10 ± 0.60    | 5.10 ± 1.00      |                |                  |
|   | PDW/IDP                                  | %   | 12.2 ± 7.5       | 14.8 ± 6.5     | 13.8 ± 6.0       |                |                  |
|   |  | LYM%                                      | %                | 58.1 ± 8.0     | 30.5 ± 6.0       | 12.8 ± 6.0     |                  |
| MON%  |  | %   | 9.1 ± 6.0        | 6.2 ± 5.0      | 3.7 ± 4.0        |                |                  |
| GRA%  |  | %   | 32.8 ± 7.0       | 63.3 ± 7.0     | 83.4 ± 7.0       |                |                  |
| LYM#  |  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 1.0 ± 0.2        | 2.3 ± 0.5      | 2.5 ± 1.2        |                |                  |
| MON#  |  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 0.2 ± 0.1        | 0.5 ± 0.4      | 0.7 ± 0.8        |                |                  |
| GRA#  |  | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | 0.6 ± 0.1        | 4.6 ± 0.5      | 16.3 ± 1.4       |                |                  |

V2011

**LOT**

Ch.-B.:125

**22**

ASSAY VALUES AND EXPECTED RANGES

 ZIELWERTE UND BEREICHE *RiüBÄK*

 QCP Data Months : **August, September, October**

 QC-Monate : **August, September, Oktober**


Verw. bis: 16.11.2011

rev.20110829

| Instruments : <b>Swelab</b>       |                       |   |              |         |              |         |              |         |
|-----------------------------------|-----------------------|---|--------------|---------|--------------|---------|--------------|---------|
| Instrument                        | Parameter / Paramètre |   | Low/Niedrig  |         | Normal       |         | High/Hoch    |         |
|                                   |                       |   | Ch.-B.:1251  |         | Ch.-B.:1252  |         | Ch.-B.:1253  |         |
|                                   |                       |   | Mean         | Limit   | Mean         | Limit   | Mean         | Limit   |
|                                   |                       | Cibles                                    | Limites      | Cibles  | Limites      | Cibles  | Limites      |         |
| <b>Swelab</b><br><b>AC-Geräte</b> | WBC/GB                | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | <b>1.9</b>   | ± 0.24  | <b>7.5</b>   | ± 0.49  | <b>21.0</b>  | ± 1.36  |
|                                   | RBC/GR                | 10 <sup>6</sup> /µL & 10 <sup>12</sup> /L | <b>2.38</b>  | ± 0.10  | <b>4.74</b>  | ± 0.19  | <b>5.80</b>  | ± 0.23  |
|                                   | Hgb                   | g/dL                                      | <b>5.5</b>   | ± 0.22  | <b>13.4</b>  | ± 0.54  | <b>18.2</b>  | ± 0.73  |
|                                   |                       | g/L                                       | <b>55</b>    | ± 2.20  | <b>134</b>   | ± 5.36  | <b>182</b>   | ± 7.28  |
|                                   |                       | mmol/L                                    | <b>3.41</b>  | ± 0.14  | <b>8.32</b>  | ± 0.33  | <b>11.30</b> | ± 0.45  |
|                                   | Hct                   | %   | <b>15.6</b>  | ± 0.78  | <b>36.2</b>  | ± 1.81  | <b>49.5</b>  | ± 2.48  |
|                                   |                       | L/L                                       | <b>0.156</b> | ± 0.008 | <b>0.362</b> | ± 0.018 | <b>0.495</b> | ± 0.025 |
|                                   | MCV/VGM               | fL  | <b>65.7</b>  | ± 5.0   | <b>76.4</b>  | ± 5.0   | <b>85.4</b>  | ± 5.0   |
|                                   | MCH/TCMH              | pg  | <b>23.2</b>  | ± 2.5   | <b>28.0</b>  | ± 2.5   | <b>31.4</b>  | ± 2.5   |
|                                   |                       | famol                                     | <b>1.4</b>   | ± 0.2   | <b>1.7</b>   | ± 0.2   | <b>1.9</b>   | ± 0.2   |
|                                   | MCHC/CCMH             | g/dL                                      | <b>35.4</b>  | ± 3.0   | <b>36.9</b>  | ± 3.0   | <b>37.3</b>  | ± 3.0   |
|                                   |                       | g/L                                       | <b>354</b>   | ± 30    | <b>369</b>   | ± 30    | <b>373</b>   | ± 30    |
|                                   |                       | mmol/L                                    | <b>22.0</b>  | ± 1.9   | <b>22.9</b>  | ± 1.9   | <b>23.2</b>  | ± 1.9   |
|                                   | Plt                   | 10 <sup>3</sup> /µL & 10 <sup>9</sup> /L  | <b>85</b>    | ± 11    | <b>262</b>   | ± 22    | <b>511</b>   | ± 38    |

V2011